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IN THE COMPETITION

Case No: 1524-1525/1/12/22

APPEAL
TRIBUNAL

Salisbury Square House
8 Salisbury Square
London EC4Y 8AP

Monday 6th November – Friday 1st December 2023

Before:

The Honourable Mr Justice Marcus Smith
Eamonn Doran
Professor Michael Waterson

(Sitting as a Tribunal in England and Wales)

BETWEEN:

Appellants

**Pfizer Inc. and Pfizer Limited & Flynn Pharma Limited and Flynn
Pharma (Holdings) Limited**

V

Respondent

Competition & Markets Authority

A P P E A R A N C E S

Mark Brealey KC, Robert O'Donoghue KC & Tim Johnston (Instructed by Clifford Chance LLP) on behalf of Pfizer

Jemima Stratford KC, Tom Pascoe & Alastair Richardson (Instructed by Macfarlanes LLP) on behalf of Flynn

Josh Holmes KC, David Bailey, Jennifer MacLeod, Julianne Kerr Morrison
& Conor McCarthy
On Behalf of the Competition & Markets Authority

Monday, 13 November 2023

1
2 (10.00 am)

3 (Proceedings delayed)

4 (10.12 am)

5 THE PRESIDENT: Good morning. Before we proceed to
6 Dr Fakes, two points: I think we understand there may be
7 some issues with LiveNote. We are very happy to proceed
8 without that, and we can make it good as and when.
9 Secondly, you may have been told, you should have been
10 told, that there is what is called a full building
11 evacuation tomorrow. That does not include us, but you
12 will have to be in the building before 10.00, I think
13 conservatively 9.50, which I think probably means before
14 9.45, otherwise you are going to be stuck outside,
15 unable to get in. So can everyone make sure that they
16 are here in good time.

17 That may mean, I know it is not in the timetable,
18 but that a 10.00 start might be pointful since we will
19 all be here and there is no point in us twiddling our
20 thumbs, but we will leave that to the parties because of
21 course witnesses are being called tomorrow, but the
22 witnesses absolutely need to know that we do not want
23 them standing outside watching things go on from outside
24 rather than being here. So if that could be
25 communicated to them, that would be very helpful.

1 MS STRATFORD: Yes, thank you. Assuming the timetable stays
2 roughly according to plan, they are not my witnesses,
3 but shall we see how we get on today?

4 THE PRESIDENT: Let us see how we get on, but I think we
5 just need to know that things are not going to be quite
6 as they normally are tomorrow.

7 MS STRATFORD: Absolutely, thank you very much.

8 So, sir, may I proceed, then?

9 THE PRESIDENT: Of course.

10 MS STRATFORD: Thank you.

11 I call Dr Fakes, Dr David Fakes.

12 DR DAVID WILLIAM FAKES (affirmed)

13 THE PRESIDENT: Dr Fakes, good morning. Do, please, sit
14 down.

15 A. Thank you, sir.

16 THE PRESIDENT: You should have some water there.

17 A. Thank you.

18 THE PRESIDENT: I think you have a file which has your
19 witness statements in. We deal with documents
20 electronically here, and I just want you to be happy
21 that if you want to see more of a document that is shown
22 on screen, do say and counsel will take you to it,
23 because the ability to leaf through lever-arch files is
24 not granted to you.

25 A. Thank you very much.

1 THE PRESIDENT: But I do want you to be able to find context
2 if you need it, so do not hesitate to ask as and when
3 and we will find the document that you need.

4 A. Thank you, sir.

5 THE PRESIDENT: You will have now some questions.

6 Examination-in-chief by MS STRATFORD

7 MS STRATFORD: Thank you, sir.

8 So Dr Fakes as well as the hard copy bundle I hope
9 you have in front of you which should be called "Flynn's
10 factual evidence", then you should also have a copy of
11 a letter dated 10 November from Macfarlanes.

12 A. Yes, I do.

13 Q. I will come to that in a minute.

14 So if you could open the bundle, please, and go to
15 tab 1 of that bundle.

16 A. Yes.

17 Q. You see there it says "First witness statement of David
18 William Fakes"?

19 A. Yes, I do.

20 Q. If you could go to page 41 of that tab, please?

21 A. Yes, I am there.

22 Q. Is that your signature, Dr Fakes?

23 A. Yes, it is my signature.

24 Q. Thank you. If you go to the third tab in that bundle,
25 tab 3.

1 A. Yes, I am there.

2 MS STRATFORD: Sir, I do not know, sorry, is it helpful for
3 the Tribunal if I give Opus references as well?

4 THE PRESIDENT: It probably is. I mean, we access them.
5 I have it in front of me electronically, but it is
6 probably best if you do that.

7 MS STRATFORD: I am now at {XC1/2/1}.

8 THE PRESIDENT: Thank you.

9 MS STRATFORD: I am sorry, I should have said that earlier.

10 THE PRESIDENT: Not at all, no, we have them here, but it is
11 probably best for the record that you do that.

12 MS STRATFORD: So Dr Fakes you can see there it says "Second
13 witness statement of David William Fakes?

14 A. Yes, I do.

15 Q. Could you look at page 19 of that tab, so for Opus that
16 will be page {XC1/2/19} of the same tab.

17 A. I am there.

18 Q. Is that your signature, Dr Fakes?

19 A. Yes, it is my signature.

20 Q. Thank you. Turning for a moment to the letter that you
21 have, that is a letter from Macfarlanes. I am afraid
22 I do not have the Opus reference for that as yet, but if
23 you could look at the annex to that letter which is
24 a table, and can you see there, there are five sets of
25 minor corrections -- it is to your first statement?

1 A. Yes, I can.

2 Q. Are you familiar with those?

3 A. I am, yes.

4 Q. Subject to those minor corrections, does the evidence in
5 those two witness statements remain your evidence to the
6 best of your knowledge and belief?

7 A. Yes, it does.

8 MS STRATFORD: Thank you.

9 I will hand over now to the CMA. I am not sure who
10 from the CMA?

11 THE PRESIDENT: I am grateful.

12 Just to check, Mr Brealey, you do not have any
13 questions for the witness?

14 MR BREALEY: I do not, thank you very much.

15 MS STRATFORD: I am sorry, I should have checked that.

16 THE PRESIDENT: No, not at all.

17 MS STRATFORD: Thank you, Dr Fakes.

18 Cross-examination by MR MCCARTHY

19 MR MCCARTHY: Sir, we have, for convenience, prepared a hard
20 copy bundle, cross-examination bundle, containing the
21 documents which I propose to take Dr Fakes to in the
22 course of the cross-examination. If it assists the
23 Tribunal I could hand those up and also hand a copy to
24 Dr Fakes.

25 THE PRESIDENT: That would be very helpful, yes, thank you.

1 Q. Good morning, Dr Fakes.

2 A. Good morning.

3 Q. As I have said, you have two bundles in front of you:
4 one is the bundle containing your witness statements
5 that you have provided in this matter, and the other
6 bundle is a bundle of documents which contain a number
7 of documents which I will take you to in the course of
8 cross-examination today, and I have some questions for
9 you about those documents.

10 Now, you prepared two witness statements in these
11 proceedings. For clarity, you did not prepare a witness
12 statement or provide a witness statement in the original
13 proceedings in this case, did you?

14 A. No, I did not, no.

15 Q. Your evidence was given by -- it was evidence on behalf
16 of Flynn was given by Mr Walters who was Flynn's CEO at
17 the time?

18 A. David Walters was codirector, we ran the company
19 jointly. He gave two witness statements at the first
20 proceedings.

21 Q. Yes. You heard also previously an application --
22 witness statements in support of Flynn's application for
23 interim relief, but we do not need to concern ourselves
24 particularly with those statements today.

25 I just want to begin by asking you a number of

1 questions about your professional background and your
2 role in the management of Flynn. I want to begin, just
3 by profession you are a registered pharmacist, is that
4 not right?

5 A. I am, yes.

6 Q. And you began working for Flynn full-time in 2006 having
7 first invested in the firm in 2004?

8 A. That is correct, yes.

9 Q. Your first witness statement in October 2022 explains
10 that you were the CEO of Flynn at the time?

11 A. That is correct, yes, I was.

12 Q. When did you commence your role as CEO, it is just
13 a point not picked up in the statement?

14 A. It was approximately about five years before that, so
15 around 2017 when Dave Walters began to step down towards
16 retirement.

17 Q. Yes. So as you pointed out, since 2004 you have led
18 Flynn alongside David Walters and you are both -- you
19 have both been executive directors in the course of your
20 leadership of Flynn?

21 A. That is correct, yes.

22 Q. You were the only two executive directors, the other
23 directors have been non-executive directors?

24 A. Yes, that is also correct.

25 Q. Now, I understand from your witness statements that you

1 and Mr Walters effectively split responsibilities in the
2 management of Flynn. Mr Walters took responsibility
3 primarily for commercial and financial matters, and you
4 took responsibility, you say, in relation to scientific
5 and technical matters?

6 A. That was broadly the case at the time, but obviously
7 since his retirement I have been singularly responsible
8 for most functions, all functions.

9 Q. Yes, but was that the division of responsibility in
10 relation to the period that we are particularly
11 concerned about which is the period between 2012 and
12 2016?

13 A. Yes, it was, yes.

14 Q. Now, in your first statement, you also explain that you
15 shared an office with Mr Walters and would agree between
16 you all significant decisions in respect of the running
17 of Flynn; is that correct?

18 A. Yes, that is correct.

19 Q. And presumably this will have also included significant
20 decisions in relation to the arrangement between Flynn
21 and Pfizer?

22 A. Yes, that is also correct.

23 Q. In Flynn's evidence to the CMA, Flynn explained that the
24 relationship between you and Mr Walters as executive
25 directors and Flynn's board as follows, Flynn said

1 yourself and Mr Walters would discuss and agree
2 strategies relating to particular supply arrangements
3 and plans before they were put to the board for
4 approval. Do you agree that that was the broad approach
5 that you adopted?

6 A. Yes, that was generally the case, yes.

7 Q. Standing back from the detail for a moment, you would
8 agree that yourself and Mr Walters were longstanding
9 colleagues over a long period of time?

10 A. Yes, I do.

11 Q. You would work in close collaboration with one another
12 in the management of Flynn and in significant
13 decision-making in respect of Flynn?

14 A. Yes, that is true, we have.

15 Q. Moving on, in your first witness statement you deal with
16 the characteristics of phenytoin capsules. Now, I will
17 take you to your statement in a moment, but I just want
18 to ask you a few brief questions about that before we
19 do.

20 Now, Pfizer's expert, Professor Walker, points out
21 that [phenytoin] was first prescribed as a treatment for
22 epilepsy in around 1938, and that phenytoin was one of
23 the oldest medications available for epilepsy, so it is
24 common ground, is it not, that phenytoin was a very
25 longstanding medication?

- 1 A. Yes, it is.
- 2 Q. It had been prescribed for a period of in and around
3 85 years or more?
- 4 A. Yes, 95 perhaps, I think the number is.
- 5 Q. Professor Walker also points out that for a significant
6 time it was one of the most commonly prescribed AEDs
7 worldwide, although since then of course its use has
8 declined. That is also uncontroversial, is it not?
- 9 A. It is uncontroversial that its use has declined and
10 continues to decline.
- 11 Q. And also that it was one of the most commonly prescribed
12 AEDs for a long period of time?
- 13 A. Originally perhaps going back 50, 60 years, yes.
- 14 Q. So you would accept, would you not, there is a very
15 great deal of data available in relation to the risks
16 and side effects of phenytoin?
- 17 A. With the qualification that insofar as if you go back to
18 the 1930s, the 1940s, it was a very light touch
19 oversight of product safety in real life. So there was
20 probably very little data collected, so you would put
21 much more emphasis on the more recent data when you have
22 got systematic and organised arrangements for
23 pharmacovigilance for safety monitoring.
- 24 Q. But you would accept, I think -- subject to that
25 qualification you accept that there is nevertheless

1 a very great deal of data available through that long
2 history of prescription in relation to the risks and
3 side effects of phenytoin?

4 A. Yes, there is a lot of data, but still new concerns are
5 arising. There is the congenital defect concern,
6 hypothyroidism, these are new issues which have arisen
7 within recent years.

8 Q. Now, can I ask you to turn to a document which is
9 contained in the bundle that I have provided in front of
10 you?

11 A. Yes.

12 Q. It is at tab 3. It is a document entitled: "Flynn
13 Pharma Communication Plan for the Introduction of
14 Phenytoin Sodium Capsules". If you could turn to page 2
15 of that document, please.

16 A. Yes, I am there.

17 Q. Just to give the Opus reference also in relation to that
18 document, it is {G/163}.

19 If we look at this document in section 1, we see at
20 the bottom of section 1 the purpose of this document is
21 explained. It is a communication plan, the purpose of
22 which is:

23 "... to mitigate [healthcare professional] and
24 patient concerns over the name change and to ensure
25 seamless supply chain transition to the Flynn product."

1 Do you agree?

2 A. Yes, I see that, yes.

3 Q. And then if we look at the fourth paragraph down, we see
4 that it says the following:

5 "In the case of the switch from Epanutin to
6 Flynn Pharma Phenytoin Sodium Flynn Hard Capsules, there
7 are no formulation changes to the product and the site
8 of manufacture remains the same. It remains
9 qualitatively and quantitatively identical in all but
10 product name."

11 So you accept, do you not, that, as this document
12 indicates, that there was no substantive change at all
13 in relation to the -- in relation to the formulation of
14 phenytoin sodium when Flynn first began to supply the
15 product?

16 A. At that time, yes, that is the case, yes.

17 Q. It is right, is it not -- and I think this is just
18 uncontroversial -- that it follows from that that Flynn
19 did not incur any research or innovation costs in
20 respect of phenytoin during the period that we are
21 concerned with, 2012 to 2016?

22 A. That is true.

23 Q. Now, can I ask you to turn to tab 4 of the
24 cross-examination bundle, please. This is the remittal
25 decision and the Opus reference is {XA1/1/93}.

- 1 A. I am sorry, the page reference?
- 2 Q. Apologies, page {XA1/1/93} in the bundle.
- 3 A. Ah yes, I am there.
- 4 Q. Now, if we look at table 2.2, this is a table I think
5 you are familiar with.
- 6 A. Yes, I am, yes.
- 7 Q. Yes. This table provides a taxonomy of Flynn and
8 Pfizer's various activities in supplying phenytoin
9 capsules in the UK during the relevant period, and it is
10 obviously produced by the CMA.
- 11 A. Yes, that is right, and I do remember it.
- 12 Q. Now, in your first statement you object to the
13 presentation of the table, but you accept that the table
14 is accurate in its categorisation of the commercial
15 activities which Flynn undertakes in the supply of
16 phenytoin capsules.
- 17 A. I think what I said was it is accurate insofar as it
18 goes, but it does not provide a balanced picture, and it
19 does not separate out or distinguish, differentiate,
20 activities from responsibilities, and I also said that
21 the way they have aggregated some of the activities into
22 a single line made it, in our submission, somewhat
23 misleading.
- 24 Q. But you accept, I think -- for present purposes you
25 accept that the crosses or the ticks are in the correct

- 1 places on the table?
- 2 A. In the context of that table, yes, but I did not agree
3 with the balance of the table.
- 4 Q. That is understood. Now, I just want to consider this
5 table for a moment. So we see then at the top of the
6 table "Manufacturing", Pfizer continued to have
7 exclusive responsibilities for all tasks in relation to
8 the manufacture of the capsules which Pfizer continued
9 to undertake at its plant in Germany?
- 10 A. No, I do not. They are physical responsibility -- they
11 are physically responsible for the activities, but we
12 are responsible for their conduct in accordance with the
13 MA or the marketing authorisation: we subcontract the
14 activity but not the responsibility, and that is quite
15 an important differentiator.
- 16 Q. Yes, so I am focusing here on the actual activity in
17 question. I appreciate you make your point about your
18 overarching responsibility, but just focusing on the
19 activities, I think you accept, then, that the
20 manufacturing responsibility was that of Pfizer. That
21 is clear, is it not?
- 22 A. In regard to the activities, yes.
- 23 Q. Yes.
- 24 THE PRESIDENT: Just to be absolutely clear, when you use
25 the word "responsibility", that is absolutely ambiguous

1 between liability and conduct. What you are putting is
2 who in fact did these tasks, irrespective of where the
3 legal responsibility lies.

4 MR MCCARTHY: Yes, precisely, yes.

5 Looking down then, we see -- and I think you
6 accept -- that the storage, processing, delivery and
7 invoicing of orders in terms of the activities involved
8 continued to be undertaken by wholesalers and
9 a pre-wholesaler. Do you agree that is also correct?

10 A. I do agree, yes.

11 Q. It is correct, is it not, I think that during the
12 relevant period, so this is 2012 to 2016, Flynn itself
13 did not in fact have warehousing or delivery facilities?

14 A. Flynn has never had its own warehousing or delivery
15 facilities, so like many other functions or activities,
16 we contract them out, and in this matter we contracted
17 them out to what was at the time known as UDG, but is
18 now Alloga, and Pfizer, coincidentally, used the same
19 company but different facilities within UDG.

20 Q. Yes. So at no point did Flynn actually take receipt of
21 or dispatch of the capsules it ordered from Pfizer?

22 A. Not physical receipt, but financial receipt, ownership,
23 yes, we did.

24 THE PRESIDENT: So just to be clear, and differentiating
25 between who actually did something and who was

1 responsible for making sure that it was done, you are
2 accepting that Flynn did not do these things, but are
3 you happy with the tick under the Pfizer box in regards
4 to these activities?

5 A. Insofar as it goes with the physical conduct of the
6 activities, yes. I think where we differ is in terms of
7 the legal responsibility, the complainant's
8 responsibility.

9 THE PRESIDENT: Because I read -- and it may be my
10 mistake -- from your last answer that you were
11 coincidentally with Pfizer using the same contractor for
12 warehousing, in which case I am just seeking
13 clarification as to whether the tick in that regard
14 under the Pfizer column is actually the one that you are
15 agreeing with?

16 A. Perhaps if I try and clarify.

17 THE PRESIDENT: Please do.

18 A. Both Pfizer and Flynn happened to both use the same
19 pre-wholesaler which was UDG or now Alloga. That was
20 a coincidence, not that there is great choice. We in
21 turn sent our stock which was held at UDG to our chosen
22 wholesalers, which varied over time, but Pfizer -- I am
23 unsure, they perhaps went with the direct to pharmacy
24 model, but it was stock in a Flynn location and not
25 stock in a Pfizer location, so it was our stock, our

1 responsibility, we managed it.

2 MR MCCARTHY: Sir, it may just help to point out that
3 looking at the storage, that tick is in the
4 pre-wholesaler column?

5 THE PRESIDENT: Yes, I see.

6 MR MCCARTHY: So, Dr Fakes, I put to you that the receipt
7 and dispatch of the capsules was not an activity
8 undertaken by Flynn, and you agreed with that.

9 A. I agree with that. Those are activities which we
10 contracted out and paid the pre-wholesaler to fulfil on
11 our behalf. They are far better and far more efficient
12 than we could possibly be.

13 Q. That is understood, it was a subcontractual arrangement?

14 A. Yes.

15 Q. So essentially thinking about the route to market for
16 the product after Flynn became involved in the supply
17 chain, you accept that the route to market for capsules
18 was essentially largely the same as that which existed
19 prior to September 2012?

20 A. Yes, but there is only a limited number of ways really
21 where the physical product can get to the patient, so
22 the pharmacy will order from a wholesaler, and it could
23 be a short line, a full line, there is quite a range of
24 them, and they would make deliveries on the pharmacy, so
25 there is no other way you can really do that.

1 Q. It was not the case where Flynn innovated in relation to
2 the route to market, there is no suggestion of that?

3 A. No, we did not.

4 Q. The central difference really in relation to the route
5 to market was simply that Flynn then became an
6 additional element in that route to market?

7 A. No, I disagree. We were more than an element, we were
8 legally responsible for all aspects of the product.

9 Q. Again, just thinking about the activities rather than
10 responsibilities and distinguishing those two things, in
11 relation to the activities which are involved in
12 bringing the product to market, the essential difference
13 was that Flynn became an element in that?

14 A. An element in the sense that we displaced the Pfizer
15 element which existed prior to that, yes.

16 Q. Yes. Now, Dr Fakes, I would like to turn to the
17 question of continuity of supply. If you could turn to
18 your first statement, please.

19 A. Yes, I have it.

20 Q. And paragraphs 39 to 43, please. The Opus reference for
21 the first statement is {XC1/1/17}.

22 Now, looking at your statement at paragraphs 40 and
23 41 you note that phenytoin sodium is characterised by
24 a narrow therapeutic index and non-linear
25 pharmacokinetics, and you accept that?

- 1 A. Yes, I do, yes.
- 2 Q. You then acknowledge that these features, ie the NTI --
3 I am looking here at paragraph 41, the NTI and
4 non-linear pharmacokinetics:
5 "... makes prescribing the medicine and altering the
6 dosage [what you describe as] a more complicated
7 process."
8 A. Yes, that is my view.
- 9 Q. Now, when you say "a more complicated process" I infer
10 that what you have in mind, or at least part of what you
11 have in mind is the principle of continuity of supply.
- 12 A. No, not at all. Continuity of supply is something quite
13 different. What I am referring to when I talk about the
14 NTI or the non-linear kinetics is it makes the whole
15 management of the patient being treated with that drug
16 more complicated, because the prescriber has to take
17 into account those two factors, so it is really nothing
18 at all to do with continuity of supply.
- 19 Q. You say nothing at all to do with continuity of supply,
20 but when you refer to the implications of those two
21 factors as resulting in a more complicated process, that
22 is what I am asking about. Am I right to --
- 23 A. I am sorry, I perhaps misunderstood your first point.
- 24 Q. No, that is fine.
- 25 A. The continuity of supply is more of a concern where you

1 do have concerns about narrow therapeutic index in that
2 there is a reluctance that you do not unnecessarily or
3 without consent or foreknowledge, change from one source
4 to another, but I think there is a lot of evidence on
5 the file about this whole subject.

6 Q. Yes. So the implication of those two characteristics of
7 phenytoin is an inhibition or an inability for patients
8 to switch between different brands of the same phenytoin
9 product?

10 A. It is not an inability because the fact is this
11 switching was a reality in practice, and I think there
12 is a lot of data which would show that, and I also say
13 in I think paragraph 40 that there is nothing
14 particularly special about phenytoin being an NTI drug.
15 I say it is one of, I think, 240 such drugs.

16 Q. Dr Fakes, can we turn -- to be clear what we are
17 referring to when we are talking about continuity of
18 supply, can we turn to the MHRA guidance which is at
19 tab 8 of your bundle.

20 A. Yes, I have found it.

21 Q. We see that this guidance was issued in November 2013,
22 and if you look at approximately halfway down the page
23 we see Category 1, and it says there phenytoin is listed
24 as a Category 1 drug and it says there that for these
25 drugs, doctors are advised to ensure that their patient

1 is maintained on a specific manufacturer's product.

2 A. I read that, yes, and it goes on also to give guidance
3 to pharmacists, dispensing pharmacists which gives them
4 the latitude to dispense any source.

5 THE PRESIDENT: Dr Fakes, just before you answer specific
6 questions in relation to this, I wonder if you could
7 assist us in whether this was something you were aware
8 of at the time.

9 A. Thank you, sir. Absolutely not.

10 THE PRESIDENT: Are you seeing it for the first time in
11 these proceedings?

12 A. Absolutely not, we were not aware. This guidance was
13 issued in November 2013 and it followed a period of
14 consultation on the part of the MHRA with various
15 stakeholders which did not include Flynn. So we were
16 unsighted, and the first hint of this that we got was
17 when we were having discussions about the product naming
18 in 2012 and the MHRA said: no, this cannot be a simple
19 generic, it has to have some invented name or some
20 qualifier.

21 When asked why, we were told this reflects emerging
22 policy, a policy we had not seen until fully 13, 14
23 months after we launched.

24 THE PRESIDENT: So just so that I am absolutely clear, you
25 were not involved in the framing of this document but

1 shortly after it was promulgated you would have seen its
2 effects or its wording?

3 A. Yes, we saw it in November 2013, and I think as earlier
4 submissions we have made say, it has always been Flynn's
5 view, my view, that the guidance was loosely followed
6 and in fact it had no teeth, and I think subsequent
7 practice in prescribing and dispensing shows that -- it
8 is NICE statements but they are not enforced, it does
9 not have the power of regulation.

10 THE PRESIDENT: Thank you.

11 MR MCCARTHY: So you have accepted that when this guidance
12 was published which was November 2013, you were aware of
13 it at the time it was published?

14 A. That I was aware at the time it was published?

15 Q. You were aware of it after it was published?

16 A. Yes, yes.

17 Q. Yes. Now, this principle of continuity of supply was
18 also reflected, was it not, in earlier guidance given by
19 NICE in 2004?

20 A. From memory I think the guidance you refer to might have
21 been SIGN which was the Scottish equivalent of NICE,
22 Scottish Intercollegiate Guidelines Network, but it is
23 certainly true to say the principles behind continuity
24 of supply were not new in 2013, they were not new in
25 2004, and they had been in the literature for some

- 1 years.
- 2 Q. No, and can I ask you then to turn to tab 7 of the
3 bundle, please. The Opus reference is {G/121/149}.
- 4 A. Yes, I have it.
- 5 Q. If you could turn to page 149, please, of this. It is
6 an excerpt rather than the whole document which is very
7 lengthy.
- 8 A. Yes, I am there.
- 9 Q. Now, we see there at the middle of the page that the
10 2004 National Institute of Care Excellence
11 recommendation is set out and it states as follows:
- 12 "Changing the formulation or brand of AED is not
13 recommended because different preparations may vary in
14 bioavailability or have different pharmacokinetic
15 profiles and, thus, increased potential for reduced
16 effect or excessive side effects."
- 17 So that was actually the National Institute of Care
18 Excellence's recommendation from 2004. Is that not
19 right?
- 20 A. Yes, that is right. I believe there was also a Scottish
21 equivalent around the same time, but --
- 22 Q. Yes, and you would have been aware of this guidance as
23 of 2012?
- 24 A. Yes, I would. Yes, we would.
- 25 Q. Yes. So to be clear, you were aware of clinical

- 1 guidance in 2012 and in fact, to this effect, that
2 essentially switching between brands is inadvisable?
- 3 A. Yes, we were aware, and we were also aware that, as
4 I said earlier, it was not followed in practice, even to
5 this day, within the last year, generic products have
6 been approved as being interchangeable with the Flynn
7 product.
- 8 Q. Then we see at 81, this is recommendation 81, this was
9 the National Institute of Care Excellence's
10 recommendation which we see there, it is new in 2012.
- 11 A. So this is, sorry, recommendation 81 you are referring
12 to?
- 13 Q. Recommendation 81, and the recommendation states that:
14 "Consistent supply to the child, young person or
15 adult with epilepsy of a particular manufacturer's AED
16 preparation is recommended, unless the prescriber, in
17 consultation with the child, young person or adult
18 considers that this is not a concern."
- 19 A. Yes, that is what it says, yes.
- 20 Q. Yes. Then subsequently, to be clear about the
21 chronology, the MHRA --
- 22 THE PRESIDENT: Again, what -- you may not be able to answer
23 this, Dr Fakes, and if so, please do say, but what is
24 the nature of the concern about tying the prescribed
25 medicine to that of the particular manufacturer?

1 A. That is a good question. The concern is that you can
2 test two products, A and B, and show them to be
3 equivalent in a simple bioequivalence study where you
4 are looking at the blood levels, the area under the
5 curve, the maximum concentration, and the way you deal
6 with that for narrow therapeutic index products is to
7 use tighter limits statistically to, if you like,
8 satisfy the hypothesis that the two products are the
9 same, but there remains a concern that bioequivalence
10 may not be enough to demonstrate beyond doubt
11 therapeutic interchangeability, but the actual evidence
12 for this in epilepsy is modest. I think one of the
13 reasons that we have this continuity of supply principle
14 reflects the understandable sensitivity of patients with
15 epilepsy, because if you have a seizure it has a massive
16 impact. If you go from a period of control to a period
17 of less control, it is very traumatic, so there is
18 a strong psychological element in deference to the
19 patient as well, if you like, the scientific point at
20 issue. I do not know if that helps.

21 THE PRESIDENT: Well, no, that does. The reason I was
22 asking is because if there was a material difference in
23 terms of the difference of the pharmacological product
24 as manufactured one would expect that to be dealt with
25 at the doctor's level --

1 A. Yes.

2 THE PRESIDENT: -- rather than by the pharmacy in
3 consultation with the patient. Frankly, if I am going
4 to a doctor wanting the best form of treatment, I do not
5 expect to be consulted by the pharmacist, I expect to be
6 told by the doctor what is best for me. So I was
7 inferring from that, and you have confirmed, that the
8 concern is a psychological one that you have the same
9 manufactured product being given to you week in, week
10 out by the pharmacy?

11 A. Yes, there is a strong psychological element. It is not
12 the only aspect, and I think the experts who address you
13 later will be able to speak better than I on the finer
14 points.

15 PROFESSOR WATERSON: Can I check, since Pfizer manufactures
16 these drugs as we have already established, that
17 supposing the product came from -- as a parallel import
18 would it be exactly the same product?

19 A. It is a good question, but one I cannot answer. At the
20 moment, we took over responsibility in September 2012,
21 and counsel took me to the communications plans. We
22 could say with confidence that this product was one and
23 the same, was to all intents and purposes identical.

24 As time has moved on, Flynn is responsible for the
25 marketing authorisations in the UK, before them it was

1 Pfizer, it is now actually Viatris, I believe, who is
2 responsible for the authorisations in other markets, so
3 it is quite possible that the nature of the product or
4 the nature of the authorisations diverges over time, and
5 we have no insight to that, no visibility of that. So
6 I cannot say today that, let us say, Flynn phenytoin is
7 100% identical to a parallel import from Spain. It may
8 be, but I do not know.

9 PROFESSOR WATERSON: Thank you.

10 MR MCCARTHY: Now, Dr Fakes, I was asking you about the NICE
11 guidance in 2004 and then subsequently the guidance that
12 was issued in 2012, and you confirmed that you were
13 aware -- Flynn and you were aware of that guidance,
14 fully aware of that guidance?

15 A. Yes, I did, yes.

16 Q. Can I ask you to turn to tab 10 of your bundle, please,
17 and these are the minutes of a Flynn board meeting held
18 in December 2010. I will just give the Opus reference
19 which is {G/84/1}, or {XG/84/1}, apologies.

20 I just want to place this document in context. So
21 you agree that discussions between Pfizer and Flynn in
22 respect of the supply of phenytoin, they began in
23 around March 2010?

24 A. Yes, I agree. I was not actually party to those
25 discussions, but I was aware of them.

1 Q. You were aware of them. Do you recall that Flynn then
2 provided a draft heads of terms document to Pfizer in
3 around July of 2010, so several months later?

4 A. Yes, I have seen that, I believe that was a document
5 which Dave Walters prepared and took to Pfizer.

6 Q. Detailed proposals were then, at Pfizer's request,
7 submitted to Pfizer in October of 2010?

8 A. That is my understanding, yes.

9 Q. So by the end of 2010, the discussions between Pfizer
10 and Flynn were substantially under way in relation to
11 the deal in respect of phenytoin?

12 A. Yes, they were, albeit it was probably a further
13 15 months before the deal was done, so to speak.

14 Q. Yes. With that context in mind, can I ask you to look
15 at section 5 which is on page 3 of this set of board
16 minutes {XG/84/3}. We see under section 5 bullet
17 point 2:

18 "Pfizer."

19 The document says the following:

20 "The planned meeting on 6th December of the Pfizer
21 UK leadership group was postponed ... They had raised
22 a small number of questions which have been addressed.
23 If our proposal is accepted by Pfizer, the product
24 rights will be acquired by Flynn and a profit sharing
25 agreement will be drawn up. Epanutin capsules & tablets

1 are not interchangeable, so the number of scripts should
2 be maintained when the product is sold generically."

3 A. Yes, I read that, yes.

4 Q. And so it is clear, is it not, that not only was Flynn
5 aware in 2010 of this issue of the lack of
6 interchangeability of the products but that Flynn
7 considered that an important consequence of that would
8 be that script numbers would be maintained when it began
9 to supply the product?

10 A. No, that is not quite the case. What this is saying is
11 that -- it says Epanutin capsules and tablets are not
12 interchangeable, but the same could be true of drug X
13 capsules and tablets. If the prescription is written
14 for drug X capsules, that is what must be supplied. If
15 it is for tablets, that is what must be supplied. So
16 that is all that is saying.

17 Q. You accept, though, do you not -- and we discussed this
18 a moment or two ago -- that capsules are not
19 interchangeable between brands, you accept that?

20 A. Yes, I do, but unless I am mistaken that was not quite
21 the point that counsel was making.

22 Q. I think the point that emerges from this is that script
23 numbers will be maintained, and that was Flynn's view,
24 was it not?

25 A. It was Flynn's view that the number of scripts for

1 capsules would be broadly maintained, save for the
2 caveat this is in a declining market which I think we
3 talk in terms of it declining 5%, 6%, 7% year-on-year as
4 phenytoin becomes less and less popular or important in
5 epilepsy treatment.

6 THE PRESIDENT: Dr Fakes, again, do say if this is outside
7 your area of factual understanding, but when a doctor is
8 writing out a script or prescription for sodium
9 phenytoin, to what extent will they, in the
10 prescription, specify that the product to be dispensed
11 ought to be capsule or tablet, or do they leave it as
12 a matter of choice to the pharmacy?

13 A. Well, to the second part first they could not leave it
14 as a matter of choice, so the script would never be
15 issued which just said phenytoin strength X. It would
16 say formulation type and dose.

17 THE PRESIDENT: So it would say, amongst other things, the
18 tablet versus capsule choice?

19 A. That is right.

20 THE PRESIDENT: To that extent, I appreciate open and closed
21 is a somewhat moveable feast, but they would be closed
22 prescriptions to that extent?

23 A. Yes, but in regards to tablets, there is only one
24 strength, the 100mg, so if the prescriber wished to use
25 doses which were not multiples of 100mg or were less

1 than, then they would have to use capsules either alone
2 or capsules in conjunction with tablets. Now, they may
3 hypothetically prefer capsules if there is a swallowing
4 issue for a patient, because they allow the facility to
5 empty the contents and take with water or even
6 a (inaudible), albeit that is off-label.

7 Having said that, most of the prescriptions, let us
8 just talk about the phenytoin capsule prescriptions,
9 most of those prescriptions are written as open
10 prescriptions, and even as of, I think, last year which
11 was the last time I checked, there was no more than 15%
12 written as closed, ie which specified a particular
13 manufacturer's source. So it follows that 85% continue
14 to be open, and that allows the opportunity at the
15 pharmacy level for switching or moving from one source
16 to another to take place.

17 THE PRESIDENT: Between sources, yes.

18 A. That is what the evidence of previous (inaudible) of
19 NRIM has shown us.

20 THE PRESIDENT: Just so I can put a little bit of meat on
21 the bones, let us suppose the treatment regime for
22 a patient is largely tablet, and you have told us that
23 that is one 100mg dose.

24 A. Yes.

25 THE PRESIDENT: But I, as a doctor, want to prescribe a 150

1 dose each time you take the treatment. Would the
2 prescription say 100mg tablets and 50mg capsules or
3 would it be left open to that extent?

4 A. No, it would be the first, sir, it would actually be
5 a prescription for two items: one would be the 100mg
6 tablet and the second item would be the 50mg capsule.

7 THE PRESIDENT: Thank you very much.

8 A. Open or closed.

9 THE PRESIDENT: Open or closed, yes.

10 A. Yes.

11 THE PRESIDENT: Thank you.

12 MR MCCARTHY: Now, Dr Fakes, I want to take you to another
13 document. This is in your bundle at tab 12, if you
14 could turn to tab 12, please.

15 A. Yes.

16 Q. Before I deal with this document, I want to just deal
17 with some context first.

18 In the period of around 2011 to 2013 Flynn's
19 shareholders were giving consideration to selling
20 Flynn's business, is that not right?

21 A. In late 2011/2012, yes, we were having those
22 discussions, yes.

23 Q. Looking at this email -- oh, sorry, apologies, I keep
24 forgetting to give the Opus reference. {XG/268.1}.

25 We see here that this is an email. I think, sir,

1 I can identify the sender of the email. It is
2 Warren Roiter who was a non-executive director at Flynn.

3 A. That is correct, yes, he is.

4 Q. And he is attaching in this document a script, and this
5 is what he says about it. He says:

6 "I feel we should have such a document agreed
7 between us which becomes a script for whoever we talk to
8 about the product."

9 The product he is referring to, as we will see is
10 phenytoin. Now you were copied on that email, but do
11 you have a recollection of this correspondence?

12 A. Only a vague recollection. I mean, it would be helpful
13 perhaps if I could see the document to which he was
14 referring to.

15 Q. Of course, I will take you to that in a moment, I just
16 wanted to set the context. Just looking at this email
17 we see that the purpose of the document is essentially
18 to agree a script between yourself, David Walters and
19 Warren Roiter in relation to phenytoin?

20 A. That is what the email says, but I am missing the
21 context of the document.

22 Q. Of course, I will take -- now, we then see if you turn
23 over to tab 13, please --

24 A. Yes, I see it.

25 Q. -- and I will give the Opus reference for this document.

1 It is {XG/268.2}. We see in the response David Walters
2 responds, he copies you into the response and he says
3 this:

4 "I have added [David Fakes'] comment, slightly
5 reworked to fit in with the flow of the discussion, to
6 the document."

7 So you would agree from this email it is -- I will
8 take you to the script in a moment, but the email
9 indicates that it is a document that you have seen?

10 A. Yes, it does.

11 Q. I want to take you to the script, but apologies, I just
12 need to find the reference. It is at tab 11, if we turn
13 back to tab 11, please. The Opus reference is {XG/499}.

14 A. Yes, I have found the document.

15 Q. We see the document begins by discussing some of the
16 clinical characteristics of phenytoin, and then if we
17 can turn over to the second page of the document, it is
18 unpaginated, but just the second page {XG/499/2}, we see
19 it says this in the first sentence just below "Oral
20 liquid":

21 "Phenytoin capsules and tablets dominate the market.
22 Whereas the product is no longer a first line of
23 treatment for epilepsy, the market is stable in volume
24 terms ..."

25 Then there is some volume data given below. Do you

1 see that?

2 A. Yes, I see that, yes.

3 Q. This document is dated in April of --

4 A. 2013.

5 Q. Yes. It is clear, is it not, that the position as far
6 as Flynn were concerned and the position that they were
7 setting out to those who were interested in phenytoin,
8 who they were in discussions with, was that the capsules
9 dominated the market, but that the market was stable in
10 volume terms. That was Flynn's view in relation to the
11 outlook of phenytoin?

12 A. It was our view, but if I may I think this is a document
13 where context is all, and having seen it, I am now
14 reminded of who produced it and why. So you mentioned
15 earlier we were in discussion with Jefferies investment
16 bank. We entered an agreement with them I believe in
17 late January 2013, if you like, to promote us with
18 a view to a sale or a merger of some sort.

19 As a result of that, we also retained IMS, the
20 statistical and consulting firm, to conduct what is in
21 effect a validation report of the portfolio and the
22 forecasts that we were constructing for prospective
23 buyers of Flynn.

24 Now, as part of that process, we had to -- you say
25 a script, but we had to compile relatively short, simple

1 statements about each of the product assets within the
2 business and what you are looking at in this document is
3 the phenytoin one.

4 So this was written with a prospective purchaser in
5 mind, it was not written with a regulator in mind, it
6 was not written with Flynn's board in mind, because they
7 knew all of this. How can you tell the story simply and
8 succinctly? If I may come back to the point about where
9 we do say it was a stable market, I think the data in
10 the table at the top of {XG/499/2} indicate it was
11 declining even on those data.

12 Q. Yes. You say it was written with the purchaser in mind,
13 and you say that is an important aspect of the context.

14 A. Yes.

15 Q. But you accept of course that you would not provide --
16 you are going to provide accurate information to
17 potential purchasers in discussions, you are certainly
18 not going to provide misleading information on outlook
19 or your perception of outlook?

20 A. Of course counsel is correct, we would -- we are
21 obligated to provide accurate information, but in the
22 sale process we would not warrant the content of such
23 statements, and the purchaser would be expected to do
24 their due diligence.

25 Q. Yes.

1 A. Sorry, if I may, just one point, the clue in this
2 document, I say this was related to the sale process, is
3 the figure on {XG/499/3} where you see the red line
4 shows the word "Frontier", Frontier being the project
5 name that we were given by Jefferies. Frontier was
6 Flynn.

7 Q. Yes, and so going back to the point that we were
8 speaking about a moment ago, you accept that the
9 position that Flynn was explaining to purchasers as you
10 have explained was that the outlook for phenytoin was
11 one of stable volume?

12 A. On the face of this document, yes, but, as I said a few
13 moments ago, you can see some evidence of decline, and
14 you have always got to bear in mind in a sale process
15 a lot of it is a question of presentation on the part of
16 the seller: you make your house look the best it can be
17 and you describe it in the neatest of terms, but then
18 the buyer will take a contrary view and look more
19 critically, and you get to, if you like, the reality
20 somewhere in the middle.

21 THE PRESIDENT: In this case, Dr Fakes, the term "stable" is
22 being used in the context where the figures immediately
23 below are showing minus 3, minus 5, minus 1 in 2009,
24 2010, 2011 respectively.

25 A. I accept that, which is why I flagged the point.

1 THE PRESIDENT: Well, indeed.

2 A. You could argue with hindsight we should perhaps not use
3 the word "stable". It would have been perhaps more
4 accurate to put: there is some evidence of a continuing
5 or modest decline, but I do not think anyone would buy
6 the business on the basis of that difference in wording.
7 Thank you.

8 MR MCCARTHY: Dr Fakes, I want to move on to a separate
9 issue which is the question of Flynn's efforts to obtain
10 an alternative active pharmaceutical ingredient.

11 A. Yes.

12 Q. Can we first look at what Mr Walters said about this in
13 his witness statement which you cross-refer to in your
14 statement at paragraph 26. So, Mr Walters' statement,
15 the Opus reference is {C2/3/1}. Dr Fakes, the reference
16 is at section 14, tab 14 of the bundle you have in front
17 of you.

18 A. Yes, I have found it.

19 Q. You have found it?

20 A. Yes, I do.

21 Q. I am grateful. If you could please turn to paragraph 41
22 of that statement, please, {C2/3/14}.

23 Dr Fakes, I want to ask you some questions about
24 these paragraphs, but first could I first ask you to
25 read paragraphs 41 through to 43, please, before I ask

1 you some questions about it. (Pause)

2 A. Yes, I have read them, thank you.

3 Q. I just note there is some confidential information in
4 these paragraphs which is highlighted. You can see
5 that, but you do not need to refer to that highlighted
6 information when I ask you questions in giving your
7 answers.

8 What Mr Walters is explaining here are the steps
9 taken by Flynn to identify an alternative source of
10 active pharmaceutical ingredient, and the first step he
11 identifies at 41 is that he says that you identified two
12 potential suppliers, the names are given on the page,
13 but I will not read them out, you identify them as
14 potential suppliers, so that was the first step at
15 paragraph 41. Do you agree?

16 A. Yes, that is correct.

17 Q. Then at 42 he deals with the second step which is that
18 he explains that there was email correspondence which he
19 sets out between yourself, a colleague at Flynn and an
20 Italian agent discussing a possible arrangement with one
21 potential supplier.

22 A. Yes.

23 Q. That is at 42.

24 Then we see between paragraphs 43 and then just over
25 the page at 46 he says that several meetings were held

1 with Pfizer to discuss the possibility of a second
2 source of active pharmaceutical ingredient {C2/3/15}.

3 A. Yes.

4 Q. So those are the three steps he identifies in relation
5 to sourcing an alternative active pharmaceutical
6 ingredient. Do you agree?

7 A. Sorry, when you say the three steps, could you clarify?

8 Q. The three steps that I have taken you through.

9 A. So that is paras?

10 Q. From paragraphs 41 through to 46.

11 A. Oh right, yes, yes.

12 Q. Do you agree?

13 A. Yes, yes, I agree.

14 Q. We then see that Mr Walters explains at paragraph 48
15 that -- he says this, just the very first sentence:
16 "Ultimately, Flynn has not yet been able to
17 implement its plan to identify a second API source
18 because of the uncertainty created by the CMA's
19 investigation."

20 That was his point. So beyond those steps,
21 Mr Walters says, effectively, Flynn has not been able to
22 implement its plan. Do you see that?

23 A. Yes, I see that, and that is what we have always said,
24 I think, as early as, I believe, July 2013 when we had
25 I think a state of play meeting with the authority, we

1 had said that the investigation and then in due course
2 when it became public with the issue of the statement of
3 objections in August 2015, I think we described it as
4 having a paralysing effect on the business, and in fact
5 phenytoin became more akin to Kryptonite for a while.

6 Q. You agree with Mr Walters' account in relation to that?

7 A. Yes, I do. We did not feel in a position to advance the
8 development of a second source for the API or
9 additionally a second source for the finished product
10 because we were in a situation where we did not know
11 where the price would end up, we did not know what our
12 position was with respect to the CMA. So we could not
13 then commit, and you see in, I think, paragraph 48,
14 Dave Walters mentions quite significant sums, in the
15 region of 2 to 4 million, to do a full validation and
16 transfer changing API source, changing manufacturing
17 site, conduct of new bioequivalent studies, new
18 stability studies, and this is work that we intended to
19 do, we were talking about doing this, in 2012, so this
20 was fully six months before the investigation was born.

21 Q. Yes, and can I just ask you to turn then to your own
22 statement at paragraph 26, please. This is where you
23 discuss this issue also.

24 A. Paragraph 26?

25 Q. Paragraph 26.

1 THE PRESIDENT: Tab 5 in the bundle.

2 A. I am there, yes.

3 MR MCCARTHY: {XC1/1/11}.

4 You say this at 26:

5 "As discussed in Walters 1, the CMA has
6 characterised Flynn as merely considering developing an
7 alternative source of API but not incurring any
8 investment costs. I am confident that Flynn would have
9 continued exploring the development of an alternative
10 source of API and/or finished product, had the
11 OFT ... (and [subsequently] the CMA not continued) its
12 investigations which have paralysed Flynn's attempts to
13 develop an alternative source of API."

14 A. Yes, I read that.

15 Q. So essentially beyond the steps that Mr Walters has
16 identified, you do not suggest there are any further
17 steps taken by Flynn to source some alternative API?

18 A. We did not take further steps, as I said, because we
19 were in effect paralysed by the investigation, although
20 we continued to explore our alternatives, we continued
21 to look at what alternate API suppliers are out there
22 with the appropriate approval, which is a CEP or
23 certificate of suitability and even secondary site
24 manufacture, new manufacturing sites, because we are
25 conscious one day that this product will not hit the

1 buffers, but it will be in trouble as the volumes
2 continue to decline, and it would be prudent as we
3 determined when we set out in 2012, to look at
4 alternatives, to look at what our options are, but we
5 are still in the midst of the investigation and the
6 legal proceedings.

7 PROFESSOR WATERSON: Could I just check there, so you are
8 looking for an alternative site.

9 A. Yes.

10 PROFESSOR WATERSON: But you said earlier that a potential
11 problem with parallel imports was they might not be
12 exactly equivalent.

13 A. Yes.

14 PROFESSOR WATERSON: If you were thinking about an
15 alternative site obviously it would be a different
16 manufacturer, presumably, than Pfizer, for sourcing this
17 product?

18 A. Yes, it would, but we would take as our reference point,
19 as our comparator, let us call it phenytoin Flynn, you
20 may substitute the active with another source, and you
21 may make the physical product at another site, and
22 when -- on a licence when people see the term or use the
23 term "manufacturer", it is not necessarily a reference
24 to the physical site of manufacture. Quite often that
25 is disguised on the product labelling. It is the

1 physical site or the address of the entity which places
2 the product on to the market which releases it for sale.

3 So it is certainly possible for Flynn or another
4 company to develop a product and secure regulatory
5 approval from the MHRA for a product which is identical
6 and interchangeable to the product we talk of as
7 phenytoin Flynn, and that has happened as recently
8 as October 2022 when Viatris secured their own
9 authorisations for all four strengths.

10 MR DORAN: So Viatris does not manufacture at site?

11 A. They do not, but there is a sensitivity because
12 obviously we entered into a deal with Pfizer but then
13 I believe it is 2020 Pfizer span out its established
14 products business and merged it with Mylan into a new
15 entity called Viatris. Our manufacturing agreements
16 were novated to Viatris, but then -- and you can imagine
17 it was a surprise to us when we see in October 2022 that
18 a Viatris entity, in this case Mylan, had been granted
19 approvals for all four strengths, but they are different
20 products and they are almost certainly made in
21 a different site, and I believe that is a Mylan facility
22 in Hungary, not Freiberg in Germany.

23 MR DORAN: So the guidance which requires the same
24 manufacture and form actually goes to the name on the
25 packet rather than the geographical location and the

1 plant that is doing the manufacturing?

2 A. In my view, yes, it does, sir.

3 THE PRESIDENT: Is that a function of what the contract
4 between yourself and the manufacturer says?

5 A. Well, in a product regulation sense, if a company goes
6 to the regulatory authority with sufficient data which
7 establishes beyond reasonable doubt -- perhaps that is
8 the wrong expression, but gives a very high degree of
9 confidence that the new product, it could be new by
10 virtue of a new API, it could be a modification to the
11 manufacturing process, it could be a new manufacturing
12 site, but if you generate the data to show that they are
13 one and the same, then you will get your variation
14 approved or your second site approved. For instance, it
15 is possible for many pharmaceutical products that the
16 licence names not one site but two sites for physical
17 manufacture, or they might name not one but two sources
18 of API.

19 THE PRESIDENT: But it is quite possible for the obligation
20 to supply between, let us say, Flynn and Pfizer is more
21 specific in terms of what needs to be provided, I mean,
22 that is legally possible, but it is not in practice
23 something that is stipulated?

24 A. I think because there are concerns about narrow
25 therapeutic index you would proceed more cautiously,

1 produce more data, and in particular, I think with the
2 bioequivalence study, which is something that you do
3 a crossover study in healthy volunteers, you would use
4 a larger number, and you would apply tighter confidence
5 intervals to get a better level of confidence that A is
6 indeed the same as B.

7 THE PRESIDENT: Thank you.

8 MR MCCARTHY: Dr Fakes, I want to turn now to the question
9 of regulatory responsibilities. If I could ask you to
10 turn back to your witness statement at paragraph 53,
11 please. {XC1/1/23}. At 53 you say this:

12 "As an MA holder for phenytoin capsules, Flynn is
13 subject to a multitude of responsibilities, as it is for
14 any other product where Flynn is an MA holder."

15 And then in the subsequent paragraphs you describe
16 some of those responsibilities.

17 To be clear, the responsibilities that you are
18 describing there, and the activities which Flynn
19 undertakes as part of that, are activities which you
20 undertake in respect of all of the medicines in relation
21 to which you are an MA holder? In other words, these
22 are activities and regulatory responsibilities which are
23 applicable across the board in respect of medicines for
24 which you are an MA holder?

25 A. I think there is an important distinction. The

1 responsibilities, the legal compliance responsibilities
2 that one has are far broader and more onerous where you
3 are the MAH, the marketing authorisation holder, than if
4 you were a distributor, for instance. We get back to
5 this fudging of the difference between the activities --

6 Q. Sorry, Dr Fakes, just my specific question, though was
7 that the activities that you are referring to and/or
8 responsibilities, whichever you prefer, what you are
9 describing in your statement are responsibilities and
10 activities which concern all medicines for which you are
11 the MA holder?

12 A. Yes.

13 Q. I want to just look at some of the specific individual
14 responsibilities which you discuss, and I am not taking
15 these in the order that they are set out in the
16 statement, but just to deal with them sequentially.
17 {XC1/1/27}.

18 At paragraph 60 you explain that as an MA holder
19 Flynn is required in law to have a qualified person for
20 pharmacovigilance and a deputy qualified person for
21 pharmacovigilance. Is that not right?

22 A. Paragraph 60, yes?

23 Q. Yes.

24 A. Yes, that is right, yes.

25 Q. That is a statutory role, is it not? In other words, by

1 law the duties of a qualified person for
2 pharmacovigilance are set out?

3 A. Yes, it is. I should add at the time of the relevant
4 period, I think the QPPV was actually an internal
5 employee, that was a Dr Hallwood, but currently and for
6 some time it has been a responsibility, an activity
7 I should say, that we contracted out.

8 Q. Just to be clear, are you saying that at the relevant
9 time, 2012 to 2016, the qualified person and the deputy
10 qualified person was in-house, is that what you are
11 saying?

12 A. Sir, we need to be clear, we are talking in paragraph 60
13 about the QPPV which is the qualified person for
14 pharmacovigilance?

15 Q. Exactly.

16 A. Which is a different entity, a different entity, to the
17 QP.

18 Q. Right, sorry, speaking specifically about the qualified
19 person for pharmacovigilance --

20 A. Yes.

21 Q. -- just looking at that person's responsibilities, that
22 includes the following, does it not: maintaining
23 a pharmacovigilance system?

24 A. Yes.

25 Q. Recording and reporting to relevant health authorities

- 1 suspected adverse reactions?
- 2 A. Yes.
- 3 Q. And providing pharmacovigilance information to health
4 authorities where requested or required by law?
- 5 A. Yes, that is part of the responsibility, yes.
- 6 Q. Yes. In the administrative hearing before the CMA,
7 I can take you to the transcript if it is helpful, but
8 I think this point is non-controversial because it was
9 your evidence, you confirmed that during the relevant
10 period it was Pfizer which was the qualified person --
11 acted on Flynn's with behalf in relation to phenytoin as
12 the qualified person for pharmacovigilance?
- 13 A. I am sorry, I disagree, counsel. We are confusing the
14 role of QP for product release purposes with QPPV.
15 These are quite different responsibilities. Now, the
16 responsibility for the qualified person who is the
17 approved person that places -- releases the product for
18 sale on to a market, has always been contracted out to
19 Pfizer. The QPPV responsibilities are a completely
20 different animal and that has never been the
21 responsibility of Pfizer under the ownership of the
22 licences by Flynn.
- 23 Q. You say in your statement at 60 that the role of the
24 qualified person for pharmacovigilance, that role has
25 been -- is performed by ProPharma?

1 A. It is currently performed by ProPharma. At the time it
2 was performed partly internally by Dr Phil Hallwood and
3 partly with the support of a consultancy which was known
4 as Diamond. Diamond was subsequently taken over by
5 ProPharma which is an international organisation.

6 Q. So your evidence is that this role during the relevant
7 period was part subcontracted and part performed
8 in-house?

9 A. The QPPV --

10 Q. QPPV, yes.

11 A. -- responsibility, most of the activities were always
12 contracted out, so if you go into the detail of what is
13 involved, it would, for instance, require that you have
14 weekly or fortnightly monitoring of the media and the
15 scientific literature where you are trying to identify
16 new information, new safety signals, which might teach
17 you something about your product, and that is very hard
18 to do for a company which has 20 people in an office and
19 no organised literature-searching capabilities.

20 Q. Just to be clear, I think what you said a moment ago was
21 that most of the responsibilities for the QPPV were
22 contracted out?

23 A. Most of the activities were contracted out, not the
24 responsibilities, yes.

25 Q. Most of the activities for the QPPV were contracted out.

1 A. Yes.

2 THE PRESIDENT: To just stick with your literature search
3 example, there would be someone, a QPPV within Flynn,
4 let us say, who would be responsible for ensuring that
5 someone carried out a literature search for drugs that
6 were within Flynn's responsibility and although the work
7 in terms of the literature search was done outside, it
8 was a responsibility to ensure that it was done within,
9 in my example here, Flynn?

10 A. That is correct, yes, sir. They always retained that
11 ultimate legal responsibility for the function.

12 THE PRESIDENT: Yes.

13 A. They help ensured they fulfilled that responsibility
14 through audit and regular review, regular reporting.
15 There is really a mass of detail behind what goes on in
16 PV. Product safety in the real world is vitally
17 important.

18 MR MCCARTHY: A second responsibility you identify is in
19 relation to the submission of regulatory updates and
20 variations to the MHRA, and you deal with that at
21 paragraph 55. You also explain in your statement that
22 that has also been contracted to a third party agency.
23 Is that right?

24 A. That is right, yes, because they have the systems for --
25 basically an electronic interface with the regulatory

1 authority, they can do it more efficiently, but they do
2 it under our direction and at our instigation. So we
3 have a small regulatory department but we spend probably
4 quite a lot more with the service provider who has
5 a whole office full of experts in the area.

6 Q. Right, and then a third pharmacovigilance responsibility
7 you identify at paragraph 58 {XC1/1/26} is the duty on
8 Flynn to have in place arrangements to detect the
9 emergence of side effects or adverse reactions to drugs,
10 and that is a third responsibility that you identify.

11 A. Yes, I think there is two parts to that question. They
12 look to identify emergence of side effects. Here you
13 are really talking about safety signals, and you pick up
14 safety signals by looking at all the reports coming in
15 about usage of a particular product in all the patients
16 from as wide a population as possible, and over time
17 signals emerge, and that then develops or forms into
18 a view that there may be a particular safety issue or
19 precaution with a particular drug. So if you take
20 phenytoin, for instance, we are seeing it with an
21 emerging concern about hypothyroidism, which has been
22 discussed at the MA and MHRA in the last two years, and
23 that will probably lead to a change in the labelling, as
24 will, I suspect, the concerns about congenital defects.

25 Q. So this responsibility that you are describing, what

1 this requires in practice is effectively screening, is
2 that not right?

3 A. It is screening --

4 Q. Screening and recording of data?

5 A. -- a form of screening. They use complicated databases.
6 In this case they used something called OSG which to be
7 frank, I could not really describe what it does, but it
8 is very large and expensive software which does a lot of
9 the churning for you.

10 Q. Then you explain at paragraph 60 that presently Flynn
11 subcontracts global pharmacovigilance screening and data
12 recording to ProPharma?

13 A. That is correct, that is our current practice.

14 Q. But then at 62 you explain that during the relevant
15 period, the period we are concerned with, it was Pfizer
16 which maintained a global safety database for phenytoin,
17 albeit with input from Flynn?

18 A. What I say in paragraph 62 is that Pfizer maintained the
19 global safety database, so you have to keep in mind that
20 Flynn purchased the MAs, the licences for the capsules
21 and only the capsules in the UK, whereas Pfizer
22 continued to market other presentations of phenytoin in
23 the UK and various presentations of phenytoin outside
24 the UK. Say if you are in a situation where you are
25 honestly trying to look at product safety you look at

1 the biggest sample, the biggest population you can.
2 Hence Pfizer retained and still retained and Viatrix
3 retain the responsibility for the global safety
4 database.

5 It is Flynn's responsibility to carry out the
6 updating in respect of the UK market with the MHRA, so
7 it is Flynn that submits what is called the
8 pharmacovigilance safety update report or PSUR. So what
9 I am saying here is eminently sensible.

10 Q. Yes, you are explaining that insofar as Pfizer is
11 carrying out it out, there is sensible reason for Pfizer
12 to carry out and to have to carry out that screening
13 exercise?

14 A. Yes.

15 Q. But ultimately I suppose the point I am putting to you
16 is simply that it is Pfizer that during the relevant
17 period, and from what I understand currently as well,
18 runs that database, the global safety documents?

19 A. Yes, they do, because they have access to far more
20 patient exposure data than we could possibly do, so as
21 a patient, that is what I would want to happen.

22 Q. Then at paragraph 62, you also explain that again during
23 the relevant period it was Pfizer which produced and
24 submitted updates to the MHRA in respect of using data
25 from its global database?

1 A. Do I say it was Pfizer that submitted it?

2 Q. At 62.

3 A. I say at 62:

4 "As an MA holder, Flynn is responsible for filing
5 a [PSUR] periodic safety update report, when required
6 with the MHRA..."

7 So I do not say that it is Pfizer, I say it was
8 Flynn.

9 Q. I am sorry:

10 "... and during the relevant period this report was
11 produced by Pfizer on Flynn's behalf using their
12 database."

13 A. During the relevant period Pfizer supplied -- generated
14 a global PSUR. Now, thinking back to the period, there
15 was probably one -- I think there has probably only been
16 two updates of PSUR since the beginning of the relevant
17 period until to date.

18 Q. Right, so it doesn't involve a great deal of activity or
19 homework in any event, is that the point?

20 A. If you look I think somewhere in the exhibits to my
21 witness statement 1, I talk about the variations that
22 were submitted, and I provide a list, I think, from
23 memory of about 35, a great number of which are
24 safety-related. So it may not seem like a big number,
25 but if you are talking about a matter of safety or

1 addition of new language to a warning, these are very
2 important things. They may not be labour-intensive, but
3 they require constant vigilance.

4 Q. Standing back from the detail, then, and thinking about
5 the various responsibilities and activities you have
6 identified, so you agree that the role of a qualified
7 person and the activities that go with that is one
8 important pharmacovigilant responsibility that Flynn
9 has?

10 A. Are you referring to a specific paragraph?

11 Q. I am just summarising the position and putting to you
12 what I understand your evidence to be.

13 One important responsibility is that of a qualified
14 person for pharmacovigilance?

15 A. Yes.

16 Q. That is a role that is subcontracted by Flynn.

17 A. Yes, it is, it is a role, again, we come back to the
18 responsibility, stays with and rests on the shoulders of
19 the MAH, of Flynn.

20 Q. Then we have the global screening of safety information
21 which was a further pharmacovigilance responsibility and
22 activity that you have identified?

23 A. That is a function -- if you have a drug company which
24 markets a drug in many presentations in many markets, it
25 goes back to the point that I made earlier that it is

- 1 eminently sensible to collect your safety information.
- 2 Q. Apologies, Dr Fakes, I am just putting to you the point
- 3 that that is a second responsibility that you have
- 4 identified: global screening of safety information?
- 5 A. Yes.
- 6 Q. That, during the relevant period, was carried out by
- 7 Pfizer?
- 8 A. Yes, it was. I mean, there are other drugs for which we
- 9 are MAH where we generate -- we, if you like, originate
- 10 the PSUR.
- 11 Q. Yes, and then a further responsibility,
- 12 pharmacovigilance responsibility you have identified is
- 13 the maintenance of a global safety database to record
- 14 safety information, so that is a further
- 15 pharmacovigilance responsibility?
- 16 A. It is, and that is something which -- I should say it is
- 17 probably Viatris legally now do, but Flynn has its own
- 18 safety database which was maintained through ProPharma.
- 19 Q. But Pfizer did that during the relevant period on
- 20 Flynn's behalf?
- 21 A. There is in place an SDEA which is a safety data
- 22 exchange agreement, which will require Flynn to share
- 23 and exchange product safety data with Viatris or prior
- 24 to that with Pfizer. So if we are picking up adverse
- 25 event reports or ASPRs, which is an acronym for

1 anonymised single patient reports, they are reports
2 which come into the regulator about a safety event, we
3 have a duty to relay them back to the global safety
4 database.

5 Q. Yes, but, Dr Fakes, the point I am putting to you is
6 just a straightforward one, that your evidence is that
7 that is a responsibility, and that during the relevant
8 period it was carried out by Pfizer. That is what you
9 say at paragraph 62 of your statement. Do you agree?
10 You say that:

11 "During the relevant period" --

12 A. I think we agree, if we are talking about it is Pfizer
13 or Viatrix' responsibility for the global safety
14 database --

15 Q. Yes.

16 A. -- but in the UK market where we own the licences, it is
17 our responsibility to engage with -- and keep the
18 regulatory authority --

19 Q. (inaudible) to that. Then finally, the further
20 responsibility that you identify is the identification
21 of periodic safety updates to the MHRA?

22 A. Yes.

23 Q. That was carried out by Pfizer during the relevant
24 period?

25 A. No, it would have been carried out by Flynn.

1 Q. At 62, I have read it out to you, but I can read it
2 again, you say that:

3 "As an MA holder, Flynn is responsible for filing
4 a periodic safety update report when required with the
5 MHRA, and during the relevant period this report was
6 produced by Pfizer on Flynn's behalf using their
7 database."

8 So it was Pfizer that carried out that work during
9 the relevant period?

10 A. Sorry, I thought, counsel, you said it was Pfizer that
11 submitted the PSUR. The PSUR is, in effect, if you
12 like, the summary update report from the global safety
13 database. We have, if you like, the contractual right
14 for a copy. It is our responsibility to file it with
15 the MHRA, it is not Pfizer's responsibility.

16 Q. You file it, but Pfizer prepared it?

17 A. That is correct.

18 Q. Right?

19 A. And we contribute where we get patient safety reports,
20 ASPRs and adverse events coming in from the UK market,
21 because those reports come to us as the MAH.

22 Q. Then the final pharmacovigilance responsibility you
23 identify is the submission of regulatory variations and
24 updates.

25 A. Yes.

- 1 Q. You accept that is subcontracted by Flynn?
- 2 A. It is subcontracted to, again, the same company,
3 ProPharma, so they handle our regulatory and our PV
4 activities or large parts of them, yes.
- 5 Q. Just standing back and looking at the position, the
6 reality is, is it not, that extensive pharmacovigilance
7 activities are in fact carried out and were carried out
8 during the relevant period on Flynn's behalf by others
9 pursuant to subcontractual arrangements?
- 10 A. All or largely on Flynn's behalf but at Flynn's expense.
11 I mean, these things are not supplied free. It is no
12 different to if we do it under our own roof. It is
13 probably more expensive.
- 14 Q. In relation to those costs, you had the opportunity, did
15 you not, to submit those costs to the CMA in the course
16 of its remittal investigation?
- 17 A. Yes, we did, but this comes back, I think, to a quite
18 different point of how we recognised and dealt with the
19 so-called common costs. We did not separate them out by
20 product or by activity or functional discipline. It is
21 simply not helpful, rightly or wrongly, to a business
22 such as Flynn, but we have operational costs, and we
23 know all of our sales must cover all of our costs, so
24 those costs are within there.
- 25 Q. Insofar as the activities that we are concerned with

1 here, those pharmacovigilance subcontractual
2 arrangements, all of those costs were submitted to the
3 CMA?

4 A. All of those costs would have been built into the
5 operational cost data that was supplied to the CMA
6 throughout its investigation, yes.

7 MR MCCARTHY: Sir, I am not sure whether you want to take
8 a morning break or continue?

9 THE PRESIDENT: I think we should.

10 MR MCCARTHY: I do not have -- I have some more material to
11 put to Dr Fakes.

12 THE PRESIDENT: We are halfway through the morning, so if
13 this is a convenient moment we will take it.

14 MR MCCARTHY: It is.

15 THE PRESIDENT: Just so that I understand, Dr Fakes, your
16 involvement in the creation of the direct and indirect
17 costs attributable to capsules, how great was your
18 involvement, because we have transited in the course of
19 your evidence just now from what Flynn did where
20 obviously you do know exactly what is going on, to how
21 the CMA incorporated those costs in the material that
22 has been submitted to us as part of this appeal, and if
23 you do not have much by way of direct evidence to give
24 on that, then I will make sure that we do not ask
25 anything further, on the other hand, if you --

1 A. I would say I am very familiar with the whole common
2 cost debate and the number of packs by revenue, by
3 activity and so on, so I can happily try and assist the
4 Tribunal.

5 THE PRESIDENT: Thank you very much. We will rise. It is
6 11.45. We will rise until 11.55. Dr Fakes, I am sure
7 you have been told this many times before, please do not
8 talk to anyone about your evidence whilst you are in the
9 witness box, and we will rise for 10 minutes.

10 A. I understand, thank you.

11 THE PRESIDENT: Thank you.

12 (11.44 am)

13 (A short break)

14 (11.58 am)

15 THE PRESIDENT: Mr McCarthy.

16 MR MCCARTHY: Dr Fakes, I want to turn to the supply
17 agreement between Flynn and Pfizer, please.

18 If you could turn, please, to tab 17 of your bundle,
19 and the Opus reference is {XG/132/1}. If you could
20 turn, please, to internal page 17 of the agreement
21 {XG/132/18}.

22 A. Yes, I have it.

23 Q. In your witness evidence you summarise your view of the
24 effect of this agreement at paragraphs 34 to 37. I will
25 come back to that in a moment, but just to sort of

1 position us in terms of the evidence on this. Looking
2 at clause 18.1 {XG/132/16}, which is page 15,
3 clause 18.1, it says this:

4 "Supplier shall indemnify Purchaser against all
5 liabilities, costs, expenses, damages and losses
6 (including any direct or indirect consequential losses,
7 loss of profit, loss of reputation and all interest,
8 penalties and legal and other reasonable professional
9 costs and expenses) suffered or incurred by purchaser
10 arising out of or in connection with ..."

11 A. Yes.

12 Q. Then if we look over the page at 18.1.2:

13 "Any claim made against [the] Purchaser arising as
14 a result of or in connection with any failure of the
15 Products [in this case the phenytoin products of course]
16 to comply with the Manufacturing Authorisation, the
17 Specifications or [the] applicable Laws."

18 A. Yes, I read that.

19 Q. Yes. So you agree looking at this clause that
20 effectively Pfizer provides Flynn with an
21 indemnification for non-conforming products, products
22 which do not conform to specification or which do not
23 conform to the requirements of the marketing
24 authorisation?

25 A. Yes, that is what is in 18.1.2 specifically, yes.

1 Q. Now in your second statement, you deal with the question
2 of this £2 million limitation of liability. This is at
3 paragraph 36 --

4 A. Of the second witness statement?

5 Q. -- of your second witness statement, exactly.
6 {XC1/2/13}.

7 A. Yes, I am there.

8 Q. I will just read out what you say there:

9 "As explained in ... Fakes 1, clause 18.1.2 [so this
10 is referring to the indemnity] is very limited in scope
11 as it only applies when Pfizer delivers capsules which
12 are not compliant with the MA. It would not cover
13 situations where, for example, the product is
14 manufactured in accordance with the MA but ... causes
15 [other] adverse reactions ..."

16 Then you say this:

17 "In addition, even where the capsules are not
18 compliant with the MA, the value of the indemnity is
19 limited to £2m."

20 You then make the point that:

21 "This cap is [very] small in comparison to the value
22 of potential claims that could be brought against Flynn,
23 as [an] MA holder."

24 A. Yes.

25 Q. I just wanted to look at this with you, please.

1 If you could look back to the supply agreement at
2 clause 19.5 and that is on page 18 {XG/132/18}, this is
3 where the £2 million limitation of liability is imposed.
4 It says this:

5 "Supplier's Financial Liability. Without prejudice
6 to clause 19.3 or clause 19.4, Supplier's total
7 liability arising under or in connection with [the]
8 Agreement, whether arising in contract, tort (including
9 negligence) or restitution, or for breach of statutory
10 duty or misrepresentation, or otherwise, shall in all
11 circumstances be limited to £2 million."

12 You see that?

13 A. Yes, I see it.

14 Q. But do you see that it says that this is without
15 prejudice to clauses 19.3 or 19.4?

16 A. Yes, which are the carve-out clauses.

17 Q. Yes. So if we go, then, to 19.4, which is just over the
18 page on page 16 {XG/132/17}, it says this:

19 "Limitations on Exclusions. Nothing in this
20 Agreement shall limit or exclude the liability of either
21 party for ..."

22 Then various matters are mentioned but if we look
23 down at 19.3.6:

24 "The indemnities ... in clause 18."

25 Do you see that?

1 A. Sorry, would you repeat the last bit?

2 Q. Of course, yes. We are looking at clause 19.3.

3 A. Yes.

4 Q. On page 16. It says:

5 "Limitations on Exclusions."

6 A. Yes.

7 Q. It says there:

8 "Nothing in this Agreement shall limit or exclude

9 the liability of either party for ..."

10 Then looking down to 19.3.6:

11 "The indemnities contained in clause 18."

12 A. Yes.

13 Q. Do you see that on its face the agreement does not apply

14 the £2 million financial limit to the indemnity included

15 in clause 18?

16 A. First and foremost I am not a contracts lawyer, that is

17 not my understanding.

18 Q. I appreciate that. Just on that point, just before you

19 answer, I appreciate you are not a lawyer, and I just

20 ask, because you commented in your evidence about

21 commercial risk arising from this agreement.

22 A. Yes.

23 Q. So bearing in mind that you are not a lawyer but just

24 looking at the agreement, I am just putting that point

25 to you to see your reaction to it.

1 A. I can only say my understanding, my interpretation of
2 the agreement is as set out in my witness statement,
3 that there was a limitation on liability for Flynn in
4 regard to Pfizer of 2 million, and vice versa in regard
5 to the same sum subject to the carve-outs. I think what
6 counsel is now putting to me is that that does not apply
7 in your assessment.

8 Q. Yes, precisely.

9 A. I would need to ask a lawyer, and I think Pfizer would
10 be concerned by this, if they thought they --

11 Q. Can I just put this point to you, which is not a legal
12 point at all, but if I am right about this point, do you
13 accept that in fact the commercial risk that arises from
14 this agreement is materially less than for Flynn than
15 you thought it was?

16 A. I think if I -- it is a complicated question, but if you
17 are saying --

18 THE PRESIDENT: You are being asked to assume that you are
19 wrong in your understanding, so on that assumption.

20 A. On the assumption, with which I do not agree, if your
21 assessment of this clause is correct in that Pfizer is
22 not insulated from in effect, if not unlimited, much
23 larger liability than, yes, your assessment is correct.

24 MR MCCARTHY: So you are accepting that the level of risk
25 faced by Flynn is materially less than that which you

1 thought it was?

2 THE PRESIDENT: No, he is not accepting that, and that is
3 a question that I do not think you can put to this
4 witness. It is a matter for us. The witness has quite
5 clearly articulated what his understanding of the
6 agreement is. That understanding may be right, it may
7 be wrong, but it is his understanding, and I am not,
8 with great respect to you, Dr Fakes, very interested in
9 your contractual reading of what these documents say.

10 A. Thank you, sir.

11 MR MCCARTHY: Apologies, sir. My question perhaps wasn't
12 clear. I was simply focusing on the question of
13 commercial risk, but --

14 THE PRESIDENT: Yes, but commercial risk arises out of the
15 understanding of the true construction of the agreement.

16 MR MCCARTHY: Sorry, I meant on the assumption that the
17 point I was putting was correct.

18 THE PRESIDENT: Yes. Well, you have answered the question
19 in terms of assuming your understanding is wrong.
20 I have that evidence.

21 A. No, you explained it well, thank you.

22 MR MCCARTHY: There is just one other point in relation to
23 this that I want to just briefly deal with.

24 In your witness statement, if I can just take you to
25 paragraph 36 where you say this --

1 A. Sir, is this 1 or 2?

2 Q. Sorry, the second witness statement. You say in
3 paragraph 36 that the indemnity in clause 18.1 also
4 excludes a wide range of types of loss.

5 Now, if I can just go back to the clause 18.1, and
6 it says this {XG/132/16}:

7 "Supplier shall indemnify Purchaser against all
8 liabilities, costs, expenses, damages and losses ..."

9 And so forth and so on.

10 A. Yes.

11 Q. Now, again, I am not putting to you a legal proposition,
12 understanding of course that you are not a lawyer, but
13 you accept that on its face that is not excluding any
14 important category of losses that Flynn might face?

15 A. There is firstly the legal point, but more
16 fundamentally, there is something in my mind that a
17 contract manufacturing organisation would -- and that is
18 all that Pfizer is in this instance -- knowingly accept
19 a liability beyond their responsibility to supply me
20 with the product which complies with my specification?
21 Now, I think counsel is saying they could well be in it
22 for far worse.

23 Q. I am just asking you whether, from your perspective, on
24 the face of this clause is there any important category
25 of loss which Flynn might face which is being excluded?

1 A. I think in part to answer this one if you go to -- it
2 will be in clause 19, the limitations. One important
3 one might be a claim against us as the licence holder
4 for a serious adverse event or a fatality caused when
5 the product is used in accordance with its licence but
6 nevertheless meets the specification in that licence.

7 I believe in 19.4 as well there is a limitation or
8 a carve-out of loss of profits and loss of goodwill or
9 loss of business. So in the situation where Pfizer, or
10 now Viatris, was unable to supply us and we were out of
11 the market, we would suffer all the consequences of that
12 without recourse to them.

13 Q. Yes, again, I am not -- it is not a point I think we
14 need to pursue much further, but to be clear the point
15 I am putting to you is that if clause 18.1 does what it
16 says it does on its face, it is not excluding, is it,
17 any important category of loss that Flynn might face?

18 A. Again, we are back to the point on the assumption that
19 you are right, it does not protect us, but that is not
20 my understanding or my reading.

21 Q. Fine. Now can I ask you briefly to turn to clause 17.1
22 of the supply agreement, please {XG/132/16}?

23 A. Yes, I am here.

24 Q. There we can see that clause 17.1 requires Flynn to have
25 in place product liability insurance with a limit of no

- 1 less than £2 million. Do you agree?
- 2 A. Yes, I agree. I see that.
- 3 Q. Prior to 2012 in supplying phenytoin capsules Flynn,
4 acting responsibly, will have obtained appropriate
5 insurance consistent with the requirements of the
6 agreement?
- 7 A. I think any pharmaceutical licence holder or distributor
8 will always maintain public liability insurance. In our
9 case, it is actually for a total sum of £10 million, and
10 in the course of -- and this is not something I am
11 directly involved in, but in the course of renewing the
12 policy, so to speak, you are expected to tell people
13 about your product portfolio, your market reach, if
14 there is any particular risks, but that is all quite
15 standard, and 10 million is a big number in one sense,
16 but not when it comes to liability claims about patient
17 harm or death.
- 18 Q. Can I ask you, then, to turn to -- it is an email
19 exchange, and the Opus reference is {XG/182.1}, and it
20 is at tab 18 of your bundle.
- 21 A. Yes, I see it.
- 22 Q. In this exchange we see that Flynn's insurance broker at
23 the time emails Martin Bain, Flynn's finance director,
24 to explain that he had obtained product liability
25 insurance.

1 A. Yes.

2 Q. Mr Bain responds:

3 "Good result."

4 A. Yes.

5 Q. So Mr Bain was satisfied, was he not, that Flynn had
6 obtained an appropriate level of product insurance?

7 A. On the evidence the basis of he said "good result", yes,
8 I had a lot of faith in Martin.

9 MR MCCARTHY: Yes, I am grateful.

10 Dr Fakes, those are my only questions.

11 A. Thank you.

12 THE PRESIDENT: Before, Ms Stratford, you rise, just
13 a couple of points, Dr Fakes.

14 Questions by THE TRIBUNAL

15 THE PRESIDENT: Could you go in the bundle to tab 5 which is
16 your first statement, and in that tab to paragraph 80
17 where you are discussing the pricing of products
18 {XC/1/34}.

19 A. Paragraph 80 you say?

20 THE PRESIDENT: Paragraph 80, yes, it is external reference
21 page 34.

22 A. I have found it.

23 THE PRESIDENT: Just cast your eye over 80 and the following
24 paragraphs just so that you know what I am asking you
25 about. I mean, I am sure you are familiar with it.

1 A. I do recognise this. (Pause) Yes, sir.

2 THE PRESIDENT: Looking at paragraph 81, you say that as
3 regards the pricing of individual medicines:

4 "... Flynn generally adopts a market-based
5 approach."

6 In your own words, could you just explain what you
7 mean by that?

8 A. Yes, I can. It is probably simpler or it would have
9 been simpler to say we look at, dare I say it,
10 comparators, we look at reference points in the market,
11 where there would be the same molecule, similar
12 molecules in the same therapeutic class, because that is
13 more often than not how your offering will be compared
14 and measured, whether it be a brand or a generic or
15 a branded generic even.

16 So you do not start from the bottom up trying to
17 form a view of things such as willingness to pay. You
18 look at what the market as it is -- we are not an
19 innovative medicine.

20 THE PRESIDENT: So when you use the term "comparator" what
21 relationship does comparator have with substitutability?

22 A. It does not have a direct relationship, but you could
23 have a situation if we took a therapy area with two
24 molecules A and B, they are clearly different molecules,
25 and they will be used at different dosages with

1 different frequencies, but they can be used in, let us
2 say, a therapeutically comparable way. So, for
3 instance, if the cost of treatment for treatment A
4 is £10 and I come along with treatment B, I would be
5 mindful that if I start exceeding that £10 threshold
6 I need to be making a stronger case offering value
7 added, offering more, because the market and the
8 purchasers, the formularies, will look at the cost of
9 treatment A.

10 THE PRESIDENT: Let us, if you do not mind, test that. So
11 I am thinking now about the products in issue here.

12 A. Yes.

13 THE PRESIDENT: So we have phenytoin capsules and we have
14 phenytoin tablets, and I think it is accepted that --
15 indeed you have said so yourself -- the prescription
16 written by the doctor will specify capsules or tablets
17 or a combination.

18 A. Yes, I did, yes.

19 THE PRESIDENT: We know that patients are quite sensitive to
20 a continuity of supply in that if they are on tablets or
21 they are on capsules, they will want that regime to
22 continue.

23 A. Yes, a great many that will be the case, yes. Most
24 probably.

25 THE PRESIDENT: So knowing this, a doctor is unlikely,

1 absent good reason, to shift their prescription from,
2 let us say, capsule to tablet or vice versa.

3 A. I would agree with that, yes, sir.

4 THE PRESIDENT: So my question then is that being the case,
5 and therefore capsules and tablets not being
6 substitutes, although they may be comparators, why do
7 you consider yourself, if you do, constrained by the
8 price of tablets?

9 A. Because they can be used in a therapeutically
10 interchangeable way, and it is the same molecule. If
11 I look, for instance, at the public assessment report,
12 say, for a tablet, I see it has been licensed as being
13 essentially similar, which has an important regulatory
14 context, essentially similar and comparable or
15 interchangeable with the capsule, and in fact, the most
16 recent approval that I referred to earlier was the Mylan
17 phenytoin capsules, and the public assessment report for
18 that which was only published two weeks ago actually
19 uses the words they can be -- they are interchangeable.

20 So it is an obvious -- it is a therapeutic
21 comparator. People will look -- would naturally look
22 at, be drawn to what am I paying for the treatment with
23 the tablet, and you would have to have a very good case
24 to go north of that, which is not something we did.

25 THE PRESIDENT: Just to be clear, you are in pricing by

1 reference, let us say, to tablet, looking at an implied
2 value in the sense that you are saying that what is an
3 appropriate price for a tablet ought to inform the price
4 of the capsule, even though they are not, in the
5 patient's eyes, substitutes?

6 A. No, I agree, there is an implicit assumption on our part
7 perhaps that they are the same, they are equivalent, it
8 is the same drug used at the same dosage for the same
9 indication, with the same caveats, contraindications and
10 warnings.

11 THE PRESIDENT: Do you apply any kind of commercial value
12 judgment to the price that is being charged by other
13 entities on the market for, let us say, tablets? In
14 other words, what happens -- it may be you do not form
15 this view, but what happens if you did form the view
16 that the price of the tablet is either indefensibly low
17 or indefensibly high? I mean, do you apply any kind of
18 thought to that, or do you just take the price as it
19 exists in the market?

20 A. In this particular situation, we took the price as is,
21 but cognisant of the history, cognisant of what we
22 believed had happened in 2007 and then cognisant of
23 looking at the stability of the cat M price for four to
24 five years, up to the point when we made our pricing
25 decision for a generic, and it was a generic, so quite

1 clearly we were not looking to differentiate beyond one
2 is a tablet, one is a capsule. It was a generic. So it
3 would be, in our minds, priced in those terms, and our
4 case, as the records show, priced at a discount, so the
5 reference point which in our case we said was the drug
6 tariff.

7 THE PRESIDENT: Let me be clear that this last question is
8 a hypothetical one, but let us suppose that, for
9 whatever reason -- and value is a very difficult thing
10 to grasp, but for whatever reason, your view is that the
11 price of the tablet is indefensibly high. Would Flynn
12 nevertheless price to the level of the tablet because
13 that is a market-based approach, or would you price
14 lower than that because you considered on this
15 hypothetical example the price of the tablet to be
16 indefensibly high?

17 A. If I think -- hypothetically speaking of course -- if we
18 took the view that the price was indefensibly high we
19 would proceed with extreme caution, we may well never
20 have gone down this road, but the reality of the
21 situation in 2010, 2011, 2012 was we were looking at
22 a multiyear history and the belief that there had been
23 an intervention and a negotiated agreement. So whilst
24 we might have been wrong, all the signals were telling
25 us this was an acceptable price point and so if we came

1 in below that we did not, at the time, think there would
2 be an issue in terms of pricing, or that issue.

3 It is not as if, if you look at the phenytoin tablet
4 price I think leading up to the October 2007 meeting,
5 I think it peaked at about £113. Now, I could perhaps
6 be on less safe ground if I take that price as my start
7 point, but we did not. When you see it come down and
8 hold, there is an assumption that that was agreed, and
9 there was if you like evidence that it was agreed, and
10 it held for a long time, and then if we look again at
11 the Scheme M arrangements, they tell us, they tell the
12 industry participants that if the Scheme M price is not
13 recalibrated in any particular quarter, or when it is
14 there is an assumption that the recalibration -- if the
15 average selling price changes up or down, let us say, by
16 a pound, they will adjust the cat M price by the same
17 sum in currency terms, not a percentage.

18 So we had every reason to believe that there was
19 underlying stability in the ASP and therefore the cat M
20 price, because that is what the scheme arrangements
21 directed us towards.

22 THE PRESIDENT: I am grateful.

23 MR DORAN: Could I just ask you, Dr Fakes, about your second
24 witness statement which I think is at {XC1/2} if I have
25 it correct.

1 A. I have found it.

2 MR DORAN: You set out the risks faced by Flynn, and you
3 mentioned a couple of them this morning. You mentioned
4 the congenital abnormalities that more recently have
5 come to light in respect of anti-epileptic drugs. How
6 do you cover yourself against these risks because
7 I noticed at paragraph 25 you say there is no contingent
8 capital, so there is no contingent protection. How do
9 you cover yourself against these risks?

10 A. It is a very good question. I think the answer is we
11 can only do so up to a point, up to the limit of our
12 liability insurance firstly, and then secondly, we are
13 not so much protecting ourselves, it is protecting
14 patients first and foremost, so we are alive to and
15 alert to the literature and the evidence coming through
16 on the risks, how the various regulatory authorities,
17 not just in the UK but elsewhere, are addressing these
18 matters, and we will play our full part in that
19 collecting the data. So I think if for phenytoin in
20 particular there is a lot more sensitivity whenever
21 there is an adverse event reported to us, it is fed in,
22 because it is such an important area of medicine, and
23 this whole problem of congenital risk in epilepsy
24 patients, and it applies to both male and female of
25 course, not just women of childbearing potential.

1 MR DORAN: So it is a vigilance response?

2 A. It is, and you might say for this area of medicine given
3 the history, there is some evidence on file about sodium
4 valproate and the risk of that and what Dame Henrietta
5 Hughes has said about that. More recently, we know that
6 the MHRA is looking at topiramate which is another
7 anti-seizure medicine, and it would not surprise me if
8 they are drawn down the same path for phenytoin, because
9 you have still got a situation where there is perhaps,
10 let us say, 40,000 patients in the UK taking it, and you
11 have the two or threefold higher risk of congenital
12 abnormality now. If and when that happens, that is
13 quite profound and quite serious in this day and age.

14 MR DORAN: But in terms of insurance or capital?

15 A. We do not have any contingent capital and in my working
16 career, which started quite a long time ago, 1985,
17 I have not been aware of any pharmaceutical company that
18 I have worked in or with that has had the practice of
19 putting in place contingent capital. My limited
20 understanding was it is a practice more associated with
21 the banking and financial institutions.

22 We, like most pharma, will have public liability
23 insurance up to a point. Much larger companies are
24 probably in a very different position, they can be more
25 resilient, they can have access to much greater levels

1 of funding should something unpleasant happen, and
2 I think in the evidence you have seen that when I talked
3 about the risk to Glaxo arising from the nitrosamine
4 issue in Ranitidine or in Zantac, there has already been
5 several cases and settlements, and there will be more
6 cases, but you can only do what you can realistically
7 do, and I do not know how a company like Flynn, which is
8 small and modest in reality, could put in place
9 sufficient capital to cover a contingent risk of unknown
10 probability or unknown magnitude.

11 MR DORAN: So it is a portfolio risk which is dealt with by
12 means of your public liability insurance?

13 A. Yes, it is. So we insure the portfolio. You know the
14 risks of some of the portfolio members are higher than
15 others and they will change over time. You mitigate the
16 risk through changing labelling or on some occasions by
17 product withdrawal. There have been a number of product
18 withdrawals in recent years to eliminate the risk.

19 MR DORAN: And you do not develop it in relation to
20 particular products?

21 A. I would say not as a general rule. There may be some
22 particular products. If I gave you one unrelated
23 example, I think thalidomide is of course infamous for
24 what happened in the 1960s but it still remains
25 a licensed product and a very expensive one, I might

1 add, but it is covered by the most intense safety
2 monitoring and controls on the patients. Now, I would
3 imagine for such a product you might have particular
4 insurances in place because of the history and the
5 risks, but as a general rule I think you are quite
6 right, sir, it will be a portfolio approach.

7 MR DORAN: Thank you very much.

8 THE PRESIDENT: Thank you.

9 Mr McCarthy, if you have any questions arising out
10 of that, do feel free to ask them.

11 MR MCCARTHY: No, sir, thank you.

12 THE PRESIDENT: I am grateful.

13 Ms Stratford.

14 MS STRATFORD: No further questions from me, sir.

15 THE PRESIDENT: Well, in that case, Dr Fakes, thank you very
16 much for your time and your evidence. You are released
17 from the witness box.

18 THE WITNESS: Thank you, sir.

19 MR MCCARTHY: Sir, the CMA calls Andrew White, please.

20 MR ANDREW WHITE (affirmed)

21 Examination-in-chief by MR MCCARTHY

22 MR MCCARTHY: Mr White, you should have two witness
23 statements in front of you.

24 A. Which tab are they in, sorry?

25 Q. I believe they are in a -- it should be in a small

1 bundle.

2 THE PRESIDENT: Perhaps we can assist the witness to make
3 sure that he does not have Dr Fakes' bundle before him.

4 MR MCCARTHY: Yes.

5 THE PRESIDENT: By all means someone can approach to ensure
6 that he has the right material.

7 A. This says "Flynn's factual evidence".

8 THE PRESIDENT: Right, I think we have the wrong files for
9 you.

10 Mr McCarthy, do you want to proceed by using the
11 screen?

12 MR MCCARTHY: I could do. I do not immediately have the
13 references. Apologies. No, I do, actually, apologies.

14 If we could go to {XC1/3/1} -- sorry, {XC2/5},
15 please. If we could -- first of all, Mr White, could
16 you look at that statement and confirm that that is in
17 fact the statement you have provided in these
18 proceedings?

19 A. It is, yes.

20 Q. If you could go to the signature page, please, on the
21 statement {XC2/5/6}?

22 A. Yes.

23 Q. If you could look at that signature and confirm that
24 that is your signature?

25 A. It is, yes.

1 Q. If we could go to the second statement which should be
2 at {XC1/3/1}, if you could look at that statement and
3 then go to the signature page on the statement, please
4 {XC1/3/12}. I think it is just one back, actually
5 {XC1/3/11}. If you could look at that signature and
6 confirm that that is your signature?

7 A. It is, yes.

8 Q. Can you confirm that the facts set out in both
9 statements are to the best of your knowledge and belief
10 true?

11 A. Yes, I do that.

12 Q. Apologies, just to clarify, Mr White, I believe your
13 bundle is just behind you on the shelf, if you could
14 take a copy of your bundle with witness exhibits,
15 please.

16 A. I think that is it.

17 Q. Does that have your two statements and exhibits to those
18 statements?

19 A. I believe it does, yes.

20 MR MCCARTHY: I am grateful.

21 Cross-examination by MR BREALEY

22 MR BREALEY: Good afternoon.

23 A. Good afternoon.

24 Q. I am going to be going -- obviously you can go to the
25 hard copies, I will be going also to the electronic

1 versions as well.

2 Could we go, first of all, to your second witness
3 statement, and it is paragraph 1. We do not get this
4 from the first witness statement, but I take it from
5 your second witness statement that you are a pharmacist.
6 Is that correct?

7 A. I am, yes, that is right.

8 Q. Did you practise as a pharmacist?

9 A. I am still on the register as a pharmacist, yes.

10 Q. But do you dispense?

11 A. Not for some years. Probably 2005 was the last time
12 I did that.

13 Q. I got that. So obviously you have not prescribed any
14 anti-seizure medicines either?

15 A. No, I have not.

16 Q. You say at paragraph 1, if you look at it:

17 "I am currently ICS Chief Pharmacist ..."

18 I will come on to that.

19 "I was formerly the head of Medicines Optimisation
20 at NHS Greater Manchester Shared Service ..."

21 That was your role at the time of the launch as
22 I understand it?

23 A. That is correct, yes.

24 Q. Can you just explain to the Tribunal exactly what that
25 entailed, what did you do as head of medicines

- 1 optimisation?
- 2 A. So I led a small team, we looked after the prescribing
3 decisions made for Greater Manchester which has a
4 population of 2.8 million people. There were around 500
5 GP practices organised in 12 clinical commission groups.
6 We had a formulary for the whole of Greater Manchester,
7 shared care decision-making and gave advice to
8 prescribers on the best products suitable for
9 populations, and my team contributed towards the Greater
10 Manchester Medicines Management Group which was a group
11 constituting of CCGs, trusts, community pharmacy,
12 essentially all stakeholders. I was on
13 a decision-making body on behalf of the whole of Greater
14 Manchester to come up with a consistent population -- so
15 there was no postcode prescribing, there was
16 a consistency across the whole population, so
17 essentially raising standards, looking at quality,
18 safety, as well as cost effectiveness and patient
19 factors.
- 20 Q. So in other words, you were not actually part of the
21 CCG, you were there to advise and support?
- 22 A. Technically employed by a CCG but on behalf of all 12,
23 so I had a host employer, but effectively we were giving
24 advice on behalf of all.
- 25 Q. You say now at paragraph 1:

1 "I am currently ICS Chief Pharmacist at Lancashire
2 and South Cumbria Integrated Care."

3 Can you just explain what that entails? Are you now
4 a part of the CCG, as it were? I know CCGs do not exist
5 anymore, but --

6 A. CCGs have gone, we have integrated care boards which
7 essentially commission all of the system. Integrated
8 care system or ICS is the collection of all the various
9 stakeholders and healthcare systems, so I have moved
10 from Greater Manchester to a bit further north to
11 Lancashire and South Cumbria doing similar to what I did
12 previously, but also have a wider responsibility for
13 being profession lead for that whole system.

14 Q. You are still advising, are you? Is that what you do
15 now?

16 A. That is part of my job, yes.

17 Q. So can we go to page {XC1/3/4} of your witness
18 statement. It may be at the bottom of page {XC1/3/3} so
19 you can get the context.

20 Right at the bottom, paragraph 11. You see:

21 "CCGs were:

22 "Membership bodies ..."

23 And then over the page at page {XC1/3/4}, you say:

24 "Responsible for commissioning healthcare including
25 mental health services, urgent and emergency care,

1 elective ..."

2 Could you just explain what these are, these
3 commissioning healthcare services? What does that
4 actually entail?

5 A. So essentially money is handed down from the Department
6 of Health to --

7 Q. Can you just speak up a little bit?

8 A. My apologies, sorry. Money is handed down from
9 Department of Health to NHS England and there are some
10 nationally commissioned services which NHS England
11 retain, and essentially all other healthcare services
12 are commissioned or were commissioned by clinical
13 commissioning groups until July 2022, from April 2013
14 until July 2022.

15 Q. We will park that for a moment. Go to paragraph 15, the
16 first sentence. We will just try and drill down into
17 this. You say at 15:

18 "Each functional area such as, for instance,
19 hospital, primary care and prescribing, was assigned
20 a budget from the allocated amount from NHS England."

21 So could you just explain what these functional
22 areas are? So that is what I am trying to get your
23 evidence on.

24 A. So macro levels, hospital, community, primary care,
25 mental health services, you know, so dentists,

1 opticians, pharmacists as well as hospital care. Now,
2 within that, there will be subcategories such as
3 prescribing, so there will be a prescribing budget
4 within hospitals, a prescribing budget within primary
5 care, and effectively that is pooled together on the
6 basis of your population, historic prescribing practices
7 and the needs of your population.

8 Q. Okay, let us drill down even further, then. So you
9 mention primary care. As I understand it, there are
10 secondary care and tertiary care. Are you aware of
11 those?

12 A. Yes.

13 Q. Can you just explain what they are: primary, secondary
14 and tertiary?

15 A. So primary care would be the four pharmacists, general
16 practitioners, dentists, optometrists. Acute care, so
17 hospitals would contain both secondary and tertiary
18 care, secondary care being in most district general
19 hospitals, tertiary care generally being in large
20 teaching hospitals of particular specialism, and in
21 Greater Manchester we had a few university teaching
22 hospitals who did things which were either national
23 exemplars or one site for the whole of the population,
24 so concentrating expertise in particular sites.

25 Q. So if someone has unfortunately an epileptic seizure,

1 what would be the healthcare services associated with
2 that patient?

3 A. Diagnosis through neurology which would generally be in
4 a secondary or tertiary hospital, ongoing --

5 Q. I beg your pardon, if someone has a seizure, do they go
6 to A&E first or --

7 A. We aim to prevent that, but if somebody does have
8 a seizure --

9 THE PRESIDENT: Are you talking about someone who has
10 a seizure for the first time or someone who has been
11 diagnosed with epilepsy who may have had seizures
12 before, because it may be the response would be
13 different?

14 MR BREALEY: It may be different but let us ask the
15 question. I was not really asking for the first time,
16 but if someone in the street has a seizure, what
17 happens?

18 A. We would expect the ambulance to take them to the
19 emergency department and a full assessment to be made,
20 and that would look at their previous medical history
21 which may include history of epilepsy or other
22 conditions, it may be unrelated to epilepsy, some people
23 have seizures for other reasons, and we would expect
24 that to be fully investigated at a suitable site. It
25 would not be something a general practitioner would do,

1 that would be something that a hospital with specialist
2 input would --

3 Q. So a neurologist?

4 A. I would expect the neurologist to be involved. Maybe
5 not in the immediate acute phase, but certainly in the
6 investigations I would expect them to be involved, yes.

7 Q. So can you just take the Tribunal through the various
8 stages, whether it is a new patient or -- let us take
9 a new patient.

10 A. Okay.

11 Q. No, sorry, let us take an existing patient, so phenytoin
12 has, essentially, legacy patients, so let us take an
13 existing patient. They are not on phenytoin, they are
14 on some other drug, or whatever, and they have
15 a seizure. Could you take the Tribunal through the
16 services that are provided to that patient? So they
17 collapse in the street, for example, have a seizure.

18 A. So some people do and it is expected as part of their
19 care and they have self-management plans which they and
20 their family can manage. If that is unexpected, then an
21 ambulance may be called, or if a member of the public is
22 concerned an ambulance may be called, somebody may be
23 taken to an emergency department, and an assessment made
24 at that point.

25 Q. So an assessment is made and then they are seen by?

1 A. That would be down to the assessing clinician, whether
2 it is something that the ED consultant can deal with or
3 whether they need specialist input, it is not something
4 I deal with day in, day out, so I am going on my limited
5 knowledge of that current pathway, and that may vary in
6 different places or for different -- two people with an
7 epilepsy diagnosis may have different care plans, and
8 you may follow that care plan depending on what is in
9 place for them.

10 Q. We saw a moment ago that that bullet point at
11 paragraph 11, community care. Would that be community
12 care, social services?

13 A. There are epilepsy nurses very often, so you may find
14 that somebody is not seen by a neurologist but seen by
15 an epilepsy nurse who is a nurse specialist who looks
16 after the long-term management of the patients, but that
17 would be generally linked up to the neurology
18 department.

19 Q. So in very broad terms, what would be the difference in
20 healthcare services between a person who is seizure-free
21 and who is not seizure-free? So what is the difference
22 in healthcare services between someone who is
23 seizure-free and not seizure-free, because there are
24 a significant number who are not seizure-free as
25 I understand it?

- 1 A. Yes, stable or not stable.
- 2 Q. Yes.
- 3 A. So somebody who -- we would aim to keep as many people
4 stable as possible so that we can undergo the everyday
5 parts of life, whether that be driving, holding down
6 a job, participating in society, that would be the
7 treatment aim for all long-term conditions, not just
8 epilepsy. If somebody is unstable, then we would expect
9 them to have reviews just as if you are cardiologically
10 unstable, you would expect to have input from
11 a specialist, although I would say that epilepsy is
12 something which is not dealt with by GPs in the main, if
13 there is instability, they would seek specialist input
14 whether that be from a neurologist or a specialist
15 epilepsy nurse. I am not aware of any GPs that would
16 actively change anti-epileptic medication at all. They
17 would refer that on to a specialist.
- 18 Q. Can I just ask the question again: what will be the
19 difference in healthcare services that is provided to
20 someone who is seizure-free and not seizure-free? So if
21 someone is seizure-free, they are going to be less
22 hospitalised, they will see the neurologist less often.
23 That is what I am trying to get a feel for.
- 24 A. As you say, the only impact that it may have on somebody
25 who is stable is collecting prescriptions from the GP or

1 from the pharmacy, and there will probably be an annual
2 check, and that may be a shared check where the GP does
3 it on behalf of the neurologist, or it may be something
4 where there is a neurology review, that depends on how
5 stable or otherwise somebody's condition is.

6 Q. So if you are seizure-free there will be fewer A&E
7 visits?

8 A. Potentially.

9 Q. Less inpatient care?

10 A. Potentially.

11 Q. Less outpatient care?

12 A. Potentially.

13 Q. Potentially fewer social service visits?

14 A. Yes, although the population tends not to have social
15 care input to a great extent.

16 Q. It follows, therefore, does it not, that anti-seizure
17 medicines benefit the NHS because they save the NHS
18 money?

19 A. The cost of the medicines is probably less than those
20 emergency episodes you are referring to, yes.

21 Q. So the answer is "yes"?

22 A. A medicine is designed to prevent a bad thing from
23 happening, so these anti-epileptic drugs, just as many
24 other drugs for long-term conditions, are designed to
25 prevent bad things from happening, yes.

1 Q. So if you are seizure-free, you are costing the NHS less
2 because there are fewer -- potentially fewer A&E visits,
3 less inpatient care, less outpatient care, correct?

4 A. Yes, and your quality of life would be better.

5 Q. And that is a social -- sorry.

6 THE PRESIDENT: I just wanted to understand exactly what you
7 meant when you answered a series of counsel's questions
8 by using the word "potentially". Now I of course accept
9 that you are talking in generality terms rather than
10 specifics.

11 A. Yes.

12 THE PRESIDENT: But if you have a patient who is diagnosed
13 as suffering from epilepsy but is on a drug regimen that
14 means that they are stable in the sense that they are
15 not having seizures, then you would expect them really
16 just to be picking up their repeat prescriptions, taking
17 their medicine and not troubling the NHS further?

18 A. There would be a level of ongoing management, but not to
19 the acute extent that was referred to, that is right, so
20 much less input.

21 THE PRESIDENT: So the answer, when you were asked about
22 less involvement of other forms of treatment, it was
23 "yes", but of course there is always the exceptional
24 case.

25 A. I will try and be clearer.

1 THE PRESIDENT: No, no, I just want to assess the quality of
2 your --

3 A. There are many thousands of people who have the
4 condition, and it is not a uniform condition, there are
5 very different forms of epilepsy, they all come under,
6 if you like an umbrella grouping, but there is lots of
7 different types of epilepsy for which different
8 treatments are chosen for their various properties.

9 THE PRESIDENT: Thank you very much.

10 MR BREALEY: As formerly the head of medicines optimisation,
11 you are obviously aware of the scheme called the PPRS?

12 A. Yes, I am.

13 Q. In your own words, can you explain the purpose of the
14 PPRS?

15 A. I am not an expert on this, this is something the
16 Department of Health arranges with the ABPI, The
17 Association of the British Pharmaceutical Industry, and
18 it is an old scheme which has been superseded by a new
19 one. Effectively, it a way of managing the branded drug
20 cost for the NHS for the UK.

21 Q. You refer to it in the letter that you referred -- you
22 wrote a letter on 10 October 2012.

23 A. Yes.

24 Q. We do not need to go to it at the moment, but you cite
25 from it the PPRS.

1 A. Yes.

2 Q. I thought you had some experience in it.

3 A. I am a -- I have not been involved in negotiating it,
4 but I am somebody who is the end user of it, yes.

5 THE PRESIDENT: Sorry, is it Mr or Dr White?

6 A. It is Mr.

7 THE PRESIDENT: You will, I am sure, be asked a number of
8 questions about how various schemes operate. Can I just
9 be clear that this is not intended to be either a memory
10 test or a legal examination.

11 A. Indeed.

12 THE PRESIDENT: But it would I think assist when you are
13 asked these questions if you were to give your sense of
14 how they work, because you are obviously involved in the
15 industry and therefore your answers are valuable, but
16 equally, when you give those answers if you feel
17 uncomfortable about the expertise that you are giving,
18 that also would help if you gave it to us, but do not
19 worry about being an expert in the regulations, I am
20 much more interested in the sense that you are providing
21 as a qualified pharmacist, amongst other things, to how
22 the system works.

23 A. It is the application of it rather than the development
24 of it would be my area of expertise.

25 THE PRESIDENT: Indeed, and we will take your answers in

1 that light, just so that you are both clear.

2 MR BREALEY: It is your area of understanding?

3 A. Yes.

4 Q. The fact that you cited from the PPRS in your letter
5 I thought you did understand its components.

6 A. Indeed, yes.

7 Q. With that in mind, just before lunch, could we go to
8 a document to see whether this resonates with your
9 understanding. This is not in your bundle, I do not
10 believe. It is {XG/20}.

11 Now, this is an Office of Fair Trading, which as you
12 probably know is now the CMA; yes? You are nodding,
13 but --

14 A. Sorry, yes.

15 Q. It is a market study, a CMA market study, the
16 Pharmaceutical Price Regulation Scheme. It is dated
17 2007.

18 If we can go to page {XG/20/5}, please, this
19 document is a good document because it describes the
20 components of the PPRS --

21 THE PRESIDENT: Now, pausing there, first of all, Mr White,
22 is this a document you have seen before?

23 A. I don't recall seeing it before.

24 THE PRESIDENT: No. You will be taken to parts of it, and
25 I anticipate, it being a market study, it is quite

1 a long document. If at any point you want to see pages
2 either side of where you are being asked, do say. The
3 problem with these electronic documents is you cannot
4 actually turn the pages yourself, so just ask counsel
5 and the context will be provided.

6 A. Thank you, sir.

7 MR BREALEY: I can give the witness my copy.

8 THE PRESIDENT: Mr Brealey, it is simply I want to deal with
9 the problem that one has with electronic documents that
10 one cannot leaf through what there is, but I know you
11 will do it fairly, it is just we need to make sure the
12 witness knows that he can ask to see something more if
13 he feels it appropriate.

14 MR BREALEY: I really do not mind the witness having a look
15 at it over lunch. All I wanted to do was get a few --
16 get your evidence as to your understanding as to the
17 workings of the PPRS which I thought that you were --
18 since you were head of optimisation, I thought you were
19 well versed in it.

20 A. That is fine.

21 Q. You see on the --

22 THE PRESIDENT: The page has gone. I think we had better
23 bring it up.

24 MR BREALEY: {XG/20/5}, you see on the first page, you have
25 the executive summary, you have key recommendations and

1 the role of the PPRS, and then at the bottom, we will
2 just have a look at these and then maybe we will close
3 for lunch, you see:

4 "The workings of the scheme are complex, but at
5 a broad level it comprises two main components:

6 "Profit controls, which set a maximum level for the
7 profits that a company may earn from the supply of
8 branded drugs to the NHS. Exceeding this level will
9 require a repayment of excess profits to DH. The profit
10 control also enables companies to increase prices if
11 their profits fall below a given minimum."

12 Is that your area of understanding?

13 A. That is my understanding of PPRS.

14 Q. Do you think that is correct?

15 A. Yes, and it is an OFT official document, so, yes.

16 Q. If one goes over the page {XG/20/6}, then "price
17 controls", so this is the second main component of the
18 PPRS:

19 "... which give companies freedom to set the initial
20 price of new active substances but impose restrictions
21 on subsequent price increases. They also comprise price
22 cuts, which are agreed at the time of scheme
23 renegotiations. A seven per cent cut was imposed as
24 part of the negotiation of the current PPRS scheme
25 beginning in 2005. Companies are given some flexibility

1 in deciding which products to target in cutting prices,
2 a system known as price modulation."

3 So does that accord with your understanding as well,
4 the price controls?

5 A. Yes, across the basket of drugs that the companies
6 produce, yes.

7 MR BREALEY: I see the time.

8 THE PRESIDENT: That is a convenient moment, is it,
9 Mr Brealey?

10 Mr White, we are going to rise for a lunch break.
11 We will resume at 2.00, so be back here a few minutes
12 before 2.00. Please do not talk to anyone about your
13 evidence, but if your legal team are going to get you
14 a sandwich, then that is absolutely fine, you can ask
15 them about that, but do not discuss your evidence. We
16 will rise until 2.00.

17 (12.58 pm)

18 (The short adjournment)

19 (2.00 pm)

20 THE PRESIDENT: Mr Brealey, good afternoon.

21 MR BREALEY: Thank you.

22 So, Mr White, I do not know whether you have on
23 screen there your last answer just before lunch, because
24 I just want to remind you what you said, we were talking
25 about the PPRS.

1 A. Of course, yes.

2 Q. And how it operates, and I do not know if it is on your
3 screen, but you said -- when you were talking about the
4 PPRS:

5 "Question: So does that accord with your
6 understanding as well, the price controls?"

7 And you say:

8 "Answer: Yes, across the basket of drugs that the
9 companies produce, yes."

10 A. Yes, I've just got somebody's transcripts in front of me
11 at the moment.

12 Q. It is [draft] page 117, line 4. I just want to remind
13 you of what you said. So page 117, line 4.

14 A. Yes.

15 Q. I was asking you about the PPRS, and you said:

16 "Answer: Yes, across the basket of drugs that the
17 companies produce, yes."

18 So in other words the portfolio of drugs?

19 A. Indeed, yes.

20 Q. While we are on that, can we quickly go to the
21 transcript {Day4LH1/62:25}.

22 Just so you know, this is Mr Holmes, who you have
23 probably met, he is the CMA's counsel, and this is
24 a transcript of what he was submitting, so clearly it is
25 not evidence and I just want to find out from you

1 whether you agree with what he said.

2 A. Okay.

3 Q. At {Day4LH1/62:25}, this relates to what you just said
4 about the portfolio, he said -- this is Mr Holmes
5 speaking:

6 "Epanutin's profitability, the capsule's brand, was
7 therefore limited, and to be clear, the profitability of
8 the individual product cannot fairly be assessed in
9 isolation because of the nature of the scheme."

10 The scheme is the PPRS.

11 A. Yes.

12 Q. So essentially he was saying there that the PPRS does
13 not identify the profitability of the individual
14 product. Do you accept that?

15 A. And there will be profitability and loss-making possibly
16 across the portfolio is my understanding.

17 Q. Yes. If we go back to the document that we had, the
18 market study, that is {XG/20/1} and see if you agree
19 with what the CMA, the OFT, said in the document. If we
20 go to page {XG/20/7}, maybe enlarge it a little bit, it
21 is the bit in bold and the paragraph below it, and
22 whether this accords with your experience of the PPRS.

23 It reads:

24 "Profit and price controls do not reflect the value
25 of drugs."

1 MR HOLMES: I hesitate to interrupt. I just want to make
2 the observation, which I hope the Tribunal is well alive
3 to, that this witness is not being tendered as an expert
4 on the PPRS. The terms of the PPRS can be considered
5 and understood as a matter of submission. This witness'
6 evidence is about the adverse impact on CCGs of the
7 price increases by Flynn and Pfizer.

8 Now, how Mr Brealey uses his time in
9 cross-examination is obviously a matter for him, but
10 I would just put down a marker that this witness does
11 not mention the PPRS in either of his witness
12 statements, does not give evidence about it, and I do
13 find it somewhat troubling that he is being used to ask
14 questions about something that he has not given evidence
15 about at any stage during the course of these
16 proceedings.

17 MR BREALEY: I do not accept that in the slightest. I think
18 it is a very unwelcome intervention.

19 THE PRESIDENT: Well, just pausing there. Anyone is
20 permitted to ask relevant questions of any witness
21 whether it is addressed in their statement or not.
22 Whether the witness is competent to deal with them is
23 a matter which we will assess after the evidence has
24 been given, but, Mr Brealey, if you want to explore the
25 PPRS with the witness -- and if you do not know the

1 answer you will just say, Mr White -- then you must go
2 ahead.

3 MR BREALEY: Thank you.

4 We will come on to that minute. I just want to be
5 completely fair here. I think if one goes to
6 {XD1/3/11}, that is on the screen, that is a page of the
7 letter that you wrote to the Department of Health and
8 the various bodies. Do you recognise that?

9 A. Correct, that is right, yes.

10 Q. You see there:

11 "Pharmaceutical Price Regulation Scheme (PPRS)."

12 So I just want to indicate to you that Mr Holmes is
13 wrong when he says that is not mentioned in your
14 evidence because that is an exhibit in your evidence.

15 A. I agree.

16 Q. Can I go back, then, to what I was doing which was the
17 document at {XG/20/7}. Before the unnecessary
18 interruption I was reading:

19 "Profit and price controls do not reflect the value
20 of drugs."

21 This is the CMA/OFT speaking:

22 "However, we have an overriding concern with the
23 scheme as it is currently designed: neither the profit
24 cap nor the price cut helps secure prices that reflect
25 the therapeutic value of the drugs companies are

1 supplying to the NHS."

2 My simple question is you can agree with the CMA/OFT
3 or you can disagree. I am just asking within your area
4 of understanding was that your experience at the time;
5 did the PPRS reflect the value of drugs, individual
6 drugs?

7 A. It is not something that we dealt with in CCGs. The
8 prices were those which were in the national price list,
9 and we paid the prices that were negotiated by the
10 Department of Health with the industry. So we were
11 recipients of the PPRS, aware of the overarching
12 elements of the scheme but not involved in any of the
13 detail of it.

14 Q. That is a fair answer. Essentially that was in the
15 remit of the Department of Health, what prices they were
16 prepared to pay and reimburse pharmacies?

17 A. Yes, that is the price. The value is something that
18 NICE and other health technology appraisers would look
19 at the value of that. We all know the costs of
20 everything, the value of nothing sometimes. So others
21 will help us with that.

22 Q. In your letter you do refer to the PPRS drug tariff
23 reimbursement price of £2.83. Is that a figure you
24 remember?

25 A. If it's in the -- if that is what is written in the

1 letter. That's page --

2 Q. Do you want to go to it?

3 A. -- {XD1/3/10}.

4 Q. So in the middle there you are referring to the

5 reimbursement price for the capsule, the drug tariff

6 price and then you are referring to the price increase;

7 yes?

8 A. At the time, yes, that is right.

9 Q. And that is £2.83 for 84 capsules?

10 A. Yes.

11 Q. In these proceedings, if we can go back to your

12 second -- your statement now {XC1/1/3}.

13 A. XC1/1/3 is not mine.

14 Q. {XC1/3/1}. Yes, thank you. And it is page {XC1/3/9}.

15 I just want to ask you few questions about paragraph 32.

16 We saw there that you mention the drug tariff

17 reimbursement price of £2.83. That is for 84 capsules,

18 and just to -- you may know this, but in these

19 proceedings we have recalculated this to represent

20 a price for a pack of 28 capsules, so we have divided by

21 3. That is just the maths.

22 A. Okay.

23 Q. I hope I have this right, but it works out, if you take

24 the reimbursement price, the PPRS reimbursement price

25 equivalent for 28 capsules, it is 94 pence.

1 A. Yes.

2 Q. Yes. Now, in paragraph 32 of your second statement, you
3 say:

4 "While phenytoin tablets were also expensive at the
5 time this was a secondary concern, as tablets were
6 prescribed to a much smaller number of patients;
7 therefore the tablet price had a limited and predictable
8 impact on recurrent budgets. The price of phenytoin
9 tablets had gradually increased over time making it
10 manageable, if undesirable [you say] (a markedly
11 different situation to the higher patient numbers and
12 the sudden, unpredictable increase of phenytoin
13 capsules' price)."

14 Why do you refer to the price of the tablet there?

15 It seems a bit out on a limb there. Why do you refer to
16 the tablet price?

17 A. I think it is related to the paragraph above where it
18 says the switch from phenytoin capsules to tablets would
19 have been clinically inappropriate in the light of NICE
20 and MHRA guidance and had the potential to cause harm.
21 So on the face of it, although these two drugs have the
22 same name, they are not clinically interchangeable, and
23 we would not --

24 Q. Paragraph 32 does not really follow from that. You are
25 talking in 31 about substitution, but then you go on at

1 32 to say the price of the tablets was a secondary
2 concern. So why was the pricing of tablets a secondary
3 concern?

4 A. So if you look at the overall volume and therefore our
5 costs, it was a higher unit cost for the tablets but
6 much smaller patient numbers and was relatively stable
7 in terms of prices, whereas there was a -- I think it
8 was -- was it a 24 times increase in cost in the
9 capsules between the drug tariff price for Epanutin and
10 then the Flynn prices, with much higher volumes of
11 patients. Therefore the quantum of the cost increase in
12 that individual year was utterly unpredictable compared
13 to usual patterns.

14 Q. Were you aware of the drug tariff for the tablet at the
15 time?

16 A. I looked it up certainly.

17 Q. Because you refer to this in the past tense. You say
18 this was a secondary concern. So it gives the
19 impression that you were aware of the drug tariff for
20 the tablet at the relevant time.

21 A. We refer to the tablet prices of many drugs. You know,
22 it is how we do business. The volumes prescribed are
23 multiplied by the cost that is laid down by the national
24 drug tariff, so we are -- and that can change on
25 a monthly basis.

- 1 Q. But were you aware that the drug tariff price for the
2 tablet was £30? Were you aware of that in 2012?
- 3 A. I became aware of it particularly when this price
4 increased because we were looking at our options,
5 clinically, as this price increased. It is not
6 something I look at every single day. It is something
7 which I looked at, at the time.
- 8 Q. You did not raise this in your letter, the price of the
9 tablet?
- 10 A. The price of the tablets had not changed and had not
11 changed from Pfizer to Flynn and had such a large price
12 increase.
- 13 Q. But it was still a significant price differential.
14 I will just remind you of the prices. It was £30 for
15 the tablet and 94 pence for the capsule.
- 16 A. That is a large difference.
- 17 Q. But you did not draw the Department's attention to that?
- 18 A. No, because the tablets were working in a generic market
19 and the Epanutin was in a branded market and you do not
20 expect the branded prices to change when a drug is
21 marketed by its original company. And a generic market
22 is volatile, it is a market that is subject to supply
23 and demand so therefore prices can rise and fall.
24 However, with brand prices, unless by exception, prices
25 tend to remain the same.

1 Q. But Flynn debranded and put the capsule into the generic
2 market?

3 A. It is actually still a brand, albeit Flynn-branded
4 generic with Epanutin still printed on the capsule, it
5 is essentially the same product.

6 Q. Is it, or is it not, in the generic market?

7 A. You could call it a branded generic.

8 Q. Right.

9 A. But it is still branded in the sense that for safety
10 reasons you would want that same continuity of supply
11 and therefore you would not want just phenytoin capsules
12 if another came to the market, you would want that
13 specific product for your patients.

14 Q. You mention here the difference in the number of people
15 taking tablets and capsules. Do you know what the
16 difference in the numbers was, or do you need me to tell
17 you?

18 A. I do not have that to hand at the moment.

19 Q. So capsules in broad terms were four times as much.

20 A. Okay.

21 Q. But you are not seriously suggesting that because the
22 NHS buys more capsules than tablets, it should pay one
23 thirtieth of the price for a capsule, are you?

24 A. It was less the comparator, it was the sudden increase
25 of a consistent product that was used for many patients

1 for many years. The biggest concern we had was a price
2 increase at that time, not a comparison with other
3 products.

4 Q. So for you it was less the comparison, more the price
5 increase at the time?

6 A. Absolutely, yes.

7 Q. At paragraph 25 of your second statement, that is
8 {XC1/3/6}, you set out what you said in your first
9 witness statement, and I just want to refer you to
10 paragraph 11 of the first which you set out there,
11 where, relating to what you have just said:

12 "The increase in the price of Phenytoin Capsules
13 in September 2012 charged by Flynn occurred in the
14 middle of the financial year and came without any
15 warning."

16 A. Yes.

17 Q. I take it from that that the Department of Health did
18 not warn you?

19 A. No, not to my recollection.

20 Q. Are you aware that the Department of Health were told of
21 Flynn's intentions before it launched in September?

22 A. That did not filter down to me, to my memory.

23 Q. At paragraph 33 of your second statement, which is at
24 {XC1/3/9}, you refer to a letter that you wrote on
25 10 October 2012; yes?

- 1 A. Yes.
- 2 Q. Complaining about the price increase?
- 3 A. Indeed.
- 4 Q. You do not mention in your statement whether you got
5 a response. Did you get a response?
- 6 A. Some several months later, from -- I think it was one
7 person from the Department of Health who is in the
8 correspondence.
- 9 Q. You do not exhibit it?
- 10 A. I have not, no.
- 11 Q. Could we go to {XG/243/1}, please. Do you just want to
12 refresh your memory about this response? This is dated
13 20 December 2012.
- 14 A. Okay. (Pause). I think I received something similar to
15 this.
- 16 Q. Then go over the page when you have finished {XG/243/2}.
- 17 A. Yes.
- 18 Q. This is the Chief Pharmaceutical Officer, yes, who is
19 responding, and your letter of complaint was -- he was
20 one of the addressees of your letter?
- 21 A. He was not. I did not receive a response from
22 Keith Ridge, it was a different person I received
23 a response from.
- 24 Q. Who did you receive a response from?
- 25 A. It was somebody in the correspondence department of the

1 Department of Health, but it certainly was not
2 Keith Ridge.

3 Q. If we go -- he says:

4 "I would be happy to meet with you to explore this
5 further."

6 Could you just go to page {XG/243/1}, please. This
7 is a letter from the Department of Health:

8 "... impact of change of marketing and
9 distribution."

10 He says:

11 "Thank you for your letter of 19 October ... on
12 behalf of NHS Clinical Commissioners about the recent
13 increase in the price of phenytoin capsules~..."

14 So you may have written a letter on 10 October, you
15 say you got a response but we have not necessarily seen
16 that, or it is not exhibited in your statement.

17 A. I have a hard copy of it.

18 Q. This is a response essentially to the NHS Clinical
19 Commissioners.

20 A. Yes.

21 Q. So this is a general response; would you accept that?

22 A. So the NHS Clinical Commissioners was a representative
23 body of CCGs.

24 Q. Yes.

25 A. So I presume they wrote a similar letter to the one

1 I wrote.

2 Q. Do you remember seeing this?

3 A. I do not.

4 Q. Well, let us see if you can -- so this is the Department
5 responding to the NHS Clinical Commissioners who, as you
6 say, represent the CCGs. He says:

7 "I know that a number of your colleagues in Clinical
8 Commissioning Groups have also written to the Department
9 or to their local MPs and I can assure you that the
10 Department fully understands the concerns in the NHS
11 around this issue and its effect on NHS budgets.

12 "The new supplier of phenytoin capsules,
13 Flynn Pharma ... is not marketing the product under the
14 original brand name and, whilst the company is a member
15 of the 2009 Pharmaceutical Price Regulation Scheme [the
16 PPRS], this product is not covered by the scheme."

17 The Chief Pharmacist goes on:

18 "The Department is in discussion with the company
19 about ensuring that the NHS is getting value for money
20 when purchasing this product."

21 Then we get this:

22 "However, as I am sure you will appreciate, one of
23 the Department's principal concerns has been to ensure
24 continuity of supply to those patients currently being
25 treated with phenytoin capsules -- in line with NICE

1 guidelines."

2 Then I would like you to focus on the next
3 paragraph, please:

4 "The cost of any medicine has to be balanced with
5 the potential additional costs to the NHS through
6 adverse reactions and reduced patient outcomes if supply
7 is interrupted."

8 I will continue, just to finish the letter off:

9 "Whilst any price increase is unwelcome, especially
10 at a time of financial restraint such as this, systems
11 are in place to ensure, in the main, the NHS obtains the
12 best value from medicines. For example, we were able to
13 move quickly, earlier this year to reduce the cost of
14 atorvastatin to the NHS when it came off patent."

15 The paragraph I would like you to focus on, please,
16 is:

17 "The cost of any medicine has to be balanced with
18 the potential additional costs to the NHS through
19 adverse reactions and reduced patient outcomes if supply
20 is interrupted."

21 Did your response have a similar paragraph to that?

22 A. I cannot remember exactly, but I would imagine it was
23 a very similar letter produced by the Department of
24 Health to a number of respondents. I remember the
25 atorvastatin paragraph at the bottom in the letter

1 I received, so it seems consistent, but I have not got
2 it in front of me to compare directly.

3 Q. If you had seen this, what would you understand by that
4 paragraph, that penultimate paragraph, beginning, "The
5 cost~..."?

6 A. So there is a little bit of: look over here, not over
7 there, particularly the last paragraph. The cost of any
8 medicine, I agree, does have to be balanced with the
9 additional costs. Essentially, if you have -- and
10 I direct you to the paragraph above where, quite
11 rightly, we want to ensure continuity of phenytoin
12 capsules because they are absolutely required for
13 a number of epileptic patients. So if the option was no
14 supply or supply at a slightly higher cost, that would
15 be advantageous. The big issue we had was this was an
16 enormous increase in the cost for that supply compared
17 to what we were currently paying.

18 Q. I am not interested at the moment with the enormous
19 increase. I am interested in the concept, yes? And
20 this letter clearly concerns phenytoin.

21 A. Mm-hmm.

22 Q. I suggest to you that the Department of Health is
23 telling the CCGs here that the cost of phenytoin, the
24 drug, needs to be balanced by the potential costs of
25 patients who are not seizure free. So we looked before

1 lunch at the costs of people who are not seizure free.

2 A. Yes.

3 Q. What the Department is telling the CCGs here is that
4 those potential costs have to be balanced with the price
5 of the drug.

6 A. I would agree.

7 Q. Why do you not say that in your evidence, in your
8 statement? Why do you not mention this balancing effect
9 of the cost savings with the costs of the drug?

10 A. I believe I do absolutely refer to the need to maintain
11 epileptics on a consistent treatment. Therefore we were
12 left with no option but to absorb this huge increase for
13 what was the identical product. Not a generic version,
14 not something similar, the identical product from the
15 same manufacturing unit. So that was what we strongly
16 objected to, was the many times increase in cost for the
17 identical product.

18 Q. But you do agree --

19 THE PRESIDENT: By "identical product" -- I am so sorry, by
20 "identical product", what are the two products you are
21 saying are identical?

22 A. So Epanutin when it was branded with Pfizer was made in
23 the same factory as Flynn capsules and in fact the Flynn
24 capsules even had Epanutin printed on them when they
25 were in the Flynn packaging, and, as I understood it,

1 came out of exactly the same production line, which
2 would be desirable for control of epilepsy.

3 THE PRESIDENT: Thank you.

4 A. Occasionally you will get different capsules from
5 different production lines called the same things, but
6 they may not have the same or identical therapeutic
7 characteristics or release characteristics.

8 THE PRESIDENT: Mr Brealey, are you going to be asking the
9 witness about paragraph 31 of his second statement? If
10 not, then when you move on to another topic, could you
11 let me know because I have some questions about it.

12 MR BREALEY: I was not. I was just going to ask a couple
13 more questions and then I will let you, sir, ask the
14 question on 31.

15 THE PRESIDENT: Thank you.

16 MR BREALEY: I was just trying to see what you said, but
17 I think you do agree, you may quibble with the increase,
18 but you agree that the cost of phenytoin must be
19 balanced with the cost savings it affords to the NHS?

20 A. There is a cost to keeping people epilepsy free.

21 Q. A cost to the NHS, yes?

22 A. Yes, absolutely.

23 MR BREALEY: I have no further questions, sir.

24 Questions by THE TRIBUNAL

25 THE PRESIDENT: Thank you. If we could bring up {XC1/3/8},

1 and what you will see is if we can get the page
2 straddled so we can see paragraph 31. Here we are
3 comparing phenytoin tablets with phenytoin capsules.

4 A. Yes.

5 THE PRESIDENT: What you are saying is it would be
6 clinically wrong for healthcare professionals, by which
7 you mean essentially doctors --

8 A. Yes.

9 THE PRESIDENT: -- to prescribe to an epilepsy sufferer
10 being treated with phenytoin tablets, capsules or vice
11 versa?

12 A. Although they are the same drug at the same strength,
13 they are not identically absorbed by the body. So
14 therefore, because they are I think on a narrow
15 therapeutic window; in other words there is quite
16 a narrow -- the effect and the risks are quite close, so
17 therefore you have to be maintained on the same product
18 to maintain the benefits and avoid the side effects.

19 THE PRESIDENT: So you are here saying that the reason for
20 the non-switching is not, as it were, a psychological
21 desire in the patient to have continuity of supply, but
22 it is in fact a medical reason that it would be
23 clinically deleterious to the patient's health?

24 A. Entirely inappropriate to switch between the two.

25 THE PRESIDENT: I see. For non-psychological, for clinical

1 reasons?

2 A. Because of the risk of people having a relapse of their
3 epileptic seizures, which we would not want to have
4 through a switch of medications.

5 THE PRESIDENT: I see. Do you then issue any guidance as to
6 how healthcare professionals are to proceed if one has
7 a combination of tablets and capsules in the treatment,
8 which we heard this morning is sometimes possible?

9 A. That would be a balanced amount of phenytoin that
10 somebody was receiving through that combination. We
11 certainly would not have considered switching or
12 advising switching any patients between different
13 products because of that fine balance. It would be far
14 worse, as we described, for somebody to have an
15 epileptic seizure as a result of a medication switch.
16 We should do everything we can to avoid that,
17 particularly if somebody is stable.

18 THE PRESIDENT: I see. Just to follow through on what you
19 were saying about branded versus generic versus branded
20 generic --

21 A. Indeed.

22 THE PRESIDENT: -- if one moves phenytoin from Pfizer
23 phenytoin capsules to generic phenytoin capsules, does
24 that affect the medical professional's, the healthcare
25 professional's ability to specify a product in the

1 prescription? In other words, is one, as a healthcare
2 professional, deprived of the ability to say: I want
3 you, the dispensing pharmacist, to dispense Pfizer
4 products?

5 A. If the Pfizer product is no longer available, as was the
6 case here, from memory I do not think there was any
7 other phenytoin capsule on the market but because the
8 Flynn branded capsules were pharmacologically identical
9 to the Pfizer ones, we wanted to maintain continuity of
10 supply and I believe we did say: do not just write
11 "phenytoin capsules", write "Flynn phenytoin capsules"
12 on the prescription, to maintain that continuity of
13 supply.

14 There are some medications where you would prescribe
15 them as brand because of those therapeutic differences.
16 There are some that it is okay to prescribe generically.
17 In this circumstance, following the MHRA guidance, you
18 would stay with the same product throughout.

19 THE PRESIDENT: So what you are saying is that in fact the
20 shift in this case from branded to generic did, in
21 prescribing in dispensing terms, absolutely nothing; it
22 did not change anything?

23 A. It was not as you would expect a generic -- so normally
24 when something goes from branded to generic you would
25 expect a big price decrease, particularly if there is no

1 reason to swap between different brands. In this case,
2 that was quite the opposite. You absolutely had to
3 continue with the same product throughout to maintain
4 epileptic control.

5 THE PRESIDENT: Thank you.

6 A. No problem.

7 THE PRESIDENT: Thank you very much, Mr Brealey.

8 MR BREALEY: I have no questions arising out of that, sir.
9 Thank you very much, Mr White.

10 I think you are free to go, unless, sorry --

11 THE PRESIDENT: Sorry, I had not realised you were finished.
12 There are a couple more questions, Mr White.

13 I think it follows logically from the answers you
14 have given, but I will put it to you anyway, I am
15 thinking now about not the impact of excess prices on
16 CCGs, I am thinking about the way a pharmacy would think
17 of things.

18 A. Okay.

19 THE PRESIDENT: Now, a pharmacy will be, in the case of
20 a generic product, looking to the margin between the
21 reimbursement rate and the price they obtain for the
22 drug they buy in.

23 A. Indeed, yes.

24 THE PRESIDENT: They will be looking to maximise the gap
25 between one and the other.

1 A. And it is part of the known reimbursement of pharmacies,
2 that there is purchase profit as part of that
3 arrangement. That is recognised and expected with the
4 idea to keep the NHS's costs managed as well as
5 possible.

6 THE PRESIDENT: So let us take a situation where one has
7 generic capsules and we have, at least for certain
8 periods of the relevant period, capsules provided by
9 NRI and capsules provided by Pfizer through Flynn, and
10 let us suppose there is an open prescription that simply
11 says: phenytoin capsules in a certain dosed amount.

12 A. Yes.

13 THE PRESIDENT: Now, first of all, that is a perfectly
14 possible scenario?

15 A. Possible, but undesirable.

16 THE PRESIDENT: Well, leave the desirability apart.

17 A. Okay.

18 THE PRESIDENT: Possible?

19 A. Yes.

20 THE PRESIDENT: How possible?

21 A. We would advise GPs to write "as branded" for these
22 sorts of products, but there are sometimes when people
23 get confused and they just write the generic phenytoin
24 on a prescription, but we would hope to minimise that as
25 much as possible.

1 THE PRESIDENT: Okay, so there would be advice to GPs from
2 yourself saying --

3 A. There is national MHRA guidance and we would expect that
4 to be followed through. Sometimes we have to remind GPs
5 to -- if we find things written generically where they
6 should be written as branded.

7 THE PRESIDENT: You mentioned national guidance. You are
8 not referring, are you, to the November 2013 document
9 which says you should stick to the same manufactured
10 supply?

11 A. The MHRA guidance, as I understand it, has run right
12 before this case started and afterwards that for
13 phenytoin you should not switch.

14 THE PRESIDENT: It would be helpful, I think, to see that,
15 if we have not already seen it so that we understand
16 what exactly that guidance says. But you are saying
17 that the guidance says where you are intending that
18 a particular sort of generic capsule be prescribed, you
19 should say either NRIM or Flynn Pfizer --

20 A. Continuity of supply --

21 THE PRESIDENT: -- on the prescription?

22 A. -- whichever one that is. Yes, absolutely, because that
23 way the pharmacy has to dispense what is requested by
24 the prescriber.

25 THE PRESIDENT: Right, so even though these are both

1 generics, you get effectively closed, not open
2 prescriptions?

3 A. And you would expect the pharmacist to check with the
4 patient which -- (inaudible - overspeaking) --

5 THE PRESIDENT: No, let us take it in stages, Mr White, I do
6 not want you rushing on ahead.

7 A. Of course.

8 THE PRESIDENT: Just answer the question I am putting to you
9 and we will get on much better.

10 At the moment I am at the stage of the healthcare
11 professional, not the dispensing pharmacist. Is it your
12 evidence that in most cases -- and we are talking about
13 two generic capsules -- in most cases the prescriptions
14 issued by the healthcare professional will effectively
15 be closed? Now, if you do not know the answer to that,
16 do say.

17 A. Are you saying specifically with regards to phenytoin or
18 in general?

19 THE PRESIDENT: I am talking specifically about phenytoin.
20 The scenario I am postulating is that we have two
21 generics, we have NRIM and we have the Flynn product.

22 A. Okay.

23 THE PRESIDENT: So differently manufactured products, but
24 both generics.

25 A. Yes.

1 THE PRESIDENT: How many prescriptions out of 100 will say
2 just phenytoin capsules and how many will say NRIM
3 and/or Pfizer?

4 A. I do not know off the top of my head how many will
5 say --

6 THE PRESIDENT: You do not know. But would you think that
7 something had gone wrong if a prescription did not
8 specify NRIM or Flynn Pfizer?

9 A. I would expect continuity of supply and the easiest way
10 of doing that is to ensure the brand or manufacturer is
11 specified on the prescription. So if somebody is
12 initiated on one product I would expect that to continue
13 until --

14 THE PRESIDENT: I understand that is your expectation.

15 A. Yes.

16 THE PRESIDENT: But you do not actually know. Is that the
17 position?

18 A. I do not know. I would hope from a professional
19 pharmacy perspective that would be asked and the
20 continuity would happen, but I cannot 100% guarantee
21 that would happen.

22 THE PRESIDENT: We are going to come to continuity,
23 I promise you.

24 A. Yes.

25 THE PRESIDENT: I am interested at the moment in how far

1 a healthcare professional would close down what would
2 otherwise be an open prescription.

3 A. I would expect it to be closed, but there may be
4 exceptions.

5 THE PRESIDENT: Okay, so it will be the exceptional case, it
6 would be very rare?

7 A. That would be my expectation.

8 THE PRESIDENT: I see. So that would mean that the pharmacy
9 will have its hands tied?

10 A. Yes.

11 THE PRESIDENT: If you have the vast majority of
12 prescriptions closed in this way, then there is no
13 option, you have to go either down NRIM or Flynn Pharma?

14 A. Yes, absolutely.

15 THE PRESIDENT: Okay. So if you have, exceptionally on your
16 evidence, an open prescription which just says
17 "phenytoin capsules", what, in your view, ought the
18 pharmacy to do?

19 A. To ask the patient what product they regularly receive
20 and continue to supply the same product, and it may be
21 they would contact the GP to ask that to be branded.
22 That would not always happen, but I would expect the
23 pharmacy to check which brand the patient always gets as
24 a minimum.

25 THE PRESIDENT: So you have an element of -- can I put it

1 this way -- second-guessing of an open prescription?

2 A. Professional expectation.

3 THE PRESIDENT: That is not because continuity of supply is

4 generally important but it is particularly important in

5 this case?

6 A. Absolutely.

7 THE PRESIDENT: And a dispensing pharmacist would know that

8 phenytoin capsules were in this special case?

9 A. They certainly should do, yes.

10 THE PRESIDENT: Okay. So let us hypothesise that there is

11 a very material difference in the margin that one gets

12 from NRIM and the margin that one gets from

13 Flynn Pharma.

14 A. Okay.

15 THE PRESIDENT: Let us say it is £10 or £15 or £20 a packet.

16 A. Okay.

17 THE PRESIDENT: That is something which you should not as

18 a pharmacist take into account. You should ask instead

19 of the patient what is the previous dispensing product

20 and you should make sure you prescribe the one rather

21 than the other even though one is significantly more

22 expensive to the pharmacy than the other?

23 A. There may be a profit motive, I agree, but

24 professionally it would be, in my view, essential that

25 the same product is continued, whether that is at an

1 adverse cost or an advantageous cost. So whatever the
2 person had previously should continue.

3 THE PRESIDENT: I have asked this question already but
4 I just want to ask it in a different way to close out
5 this line. The reason one is sticking to continuity of
6 supply is not because of a well-founded psychological
7 desire in the patient to stick with that which has
8 worked before, it is because of the clinical reasons
9 that you articulated before?

10 A. The primary reason is a clinical reason, but you are
11 right, there may be anxiety from patients about any
12 switches which could change their life if they lost
13 control of their epilepsy, but this is a pharmaceutical,
14 pharmacological, not a psychological we are referring to
15 here.

16 THE PRESIDENT: Thank you very much. Mr Brealey, if you
17 have any questions, do ask?

18 MR BREALEY: Just to assist both the witness and the
19 Tribunal, the prior stage as to the number of
20 prescriptions, if we could go to {XA2/1/59}, and it is
21 paragraph 3.88, one sees there:

22 "... evidence submitted by Flynn and ... Pfizer
23 indicates that over the period ... 2014 to ... 2015 [so
24 that is after the guidelines] 91% of prescriptions for
25 phenytoin sodium capsules were open."

1 And that is not just the Flynn/Pfizer.

2 If one goes to page {XA2/1/200} of this document and
3 at the bottom of the page, if you can enlarge it,
4 footnote 591 you see there:

5 "NHSBSA data shows that over the period ... 2014
6 to ... 2015, 91% of prescriptions for phenytoin sodium
7 capsules were open ..."

8 Just to assist.

9 THE PRESIDENT: That is very helpful, Mr Brealey and thank
10 you.

11 Mr White, you should feel free to comment on those.
12 It is clearly at variance with what you think is going
13 on.

14 A. Well, if there is only one phenytoin sodium capsule on
15 the market people would receive that whether it was
16 branded or it is a phenytoin sodium. If there is more
17 than one available, then moving to branded would be
18 advantageous.

19 If there was only Epanutin available, which became
20 Flynn capsules, they would -- patients receive the same
21 product throughout. If another one was on the market,
22 that could cause that choice, and although I agree that
23 is BSA data, that must be correct, I would hope with
24 this that branded anti-epileptics for phenytoin should
25 be the case. Unfortunately that is not what the

1 prescribing data bears out.

2 THE PRESIDENT: Thank you.

3 PROFESSOR WATERSON: We have been talking about the NRIM
4 capsules but also at times there were parallel imports
5 of the Pfizer product.

6 A. Okay.

7 PROFESSOR WATERSON: In your view, would they be considered
8 identical to the Flynn capsules?

9 A. I think in my evidence statement I said I spoke to
10 Dave Fakes who I think was on prior to me at the time
11 and he said that the product was made in the same
12 factory worldwide, so it had Epanutin on it. I would
13 expect, wherever that came from in the country, it would
14 have been identical products, whether they were parallel
15 imported or as a UK pack, so therefore it should be
16 bioequivalent.

17 PROFESSOR WATERSON: Okay, so from your point of view, you
18 would be more concerned about the NRIM product than
19 about the parallel imports?

20 A. Any change I would be concerned about.

21 PROFESSOR WATERSON: Right.

22 A. But if the parallel import market was there, that would
23 indicate it was being sold cheaper in other markets than
24 it was in the UK, so there was an advantage in buying
25 even at the low prices that Epanutin were marketed for,

1 they were being sold for less in other markets and being
2 imported for profit into the UK.

3 PROFESSOR WATERSON: Thank you.

4 MR DORAN: One little point of detail.

5 Earlier on I understood you to say that these
6 tablets would be -- sorry, the capsules would be
7 prescribed by and large by neurologists, or it would be
8 a hospital-based prescription regime.

9 A. Initiated, certainly and then continued in primary care
10 by the GP.

11 MR DORAN: The extent to which the GPs have the scope
12 professionally to vary the prescription compared to
13 a referral back to the neurologist?

14 A. For drugs like this where there is a narrow therapeutic
15 index, I would not expect any changes to be made by
16 a GP.

17 MR DORAN: Right.

18 A. There are other drugs in other categories of MHRA for
19 example, Category 3 there is a drug called levetiracetam
20 which is another anti-epileptic which came off patent in
21 the last year and a half, and it is quite okay to switch
22 people between those, and there is enormous windfall
23 savings then to NHS on the basis of that and that it is
24 perfectly safe to do that, which GPs can do, but for
25 those of a narrow therapeutic index we would not expect

1 a GP to make any changes at all to the regime.

2 MR DORAN: I had understood the conversation you were having
3 with the President and with Mr Brealey was about GPs
4 changing prescriptions. Does this also apply to the
5 neurologists in terms of scope to issue open, truly
6 open, prescriptions?

7 A. I would -- I believe that a neurologist would probably
8 say phenytoin capsules, the continuity would be what the
9 GP and the pharmacy continue to supply for that person.
10 No GP that I am aware of would make a change to an
11 epileptic regime if somebody is unstable, they would
12 expect that to be with a specialist, whether that be an
13 epilepsy specialist, nurse or neurologist.

14 MR DORAN: I think you had said in your witness statement
15 that the guidance recommended -- the NICE guidance from
16 2012 recommended consistent supply of a particular
17 manufacturer's AED unless the prescriber considered this
18 was not a concern so that in writing an open
19 prescription it would be on the basis that the
20 prescriber, in the case you are talking about the
21 specialist, felt that it did not really matter?

22 A. The neurologist would start the prescription, the
23 continuity would happen with the GP, so the most
24 important thing while somebody is in stable phase is
25 that the GP continues that supply.

- 1 MR DORAN: So it's the maintenance --
- 2 A. The maintenance by the GP would be what is written on
3 that prescription and what is dispensed by the pharmacy,
4 and if it is not overtly written on the prescription
5 I would expect a conversation to be had with the patient
6 to clarify what they are on and that supply to continue.
- 7 MR DORAN: So what you are saying about the need for
8 consistent dispensing applies in relation to whether it
9 is -- whether the specialist has written the
10 prescription, you would expect in line with what you
11 said that unless they specifically said it can be any
12 phenytoin, you would expect it to be the phenytoin that
13 they had been on before, initially identified?
- 14 A. Continue and should remain on that until or if there was
15 a reason to change clinically.
- 16 MR DORAN: And then a discussion to be had with the
17 consultant before any change?
- 18 A. Absolutely, yes.
- 19 MR DORAN: If the pharmacist happened to be stocked out at
20 any stage so they had no stock of the normal, would that
21 be a conversation back with the specialist before
22 anything else was --
- 23 A. I would certainly expect that, but probably you would
24 look to mutual aid first to see whether pharmacies
25 locally or others within the chain could obtain the

1 supplies because it is so essential that patients remain
2 on the same. So pharmacies would go out of their way to
3 try to continue that supply, and in extremis if there
4 was no supply at all, then I would expect a specialist
5 to be involved in any decision after that.

6 MR O'DONOGHUE: Thank you very much indeed.

7 THE PRESIDENT: I will finish off and then Mr Brealey can
8 have the last word in cross-examination or reply.

9 It is just to do with the branding of a generic and
10 parallel imports.

11 A. Yes, okay.

12 THE PRESIDENT: Now, we have discussed the fact that the
13 parallel imports are essentially the same product --

14 A. That is my understanding, yes.

15 THE PRESIDENT: -- and your concern of risk of shifting
16 between, as it were, the Flynn generic and a parallel
17 Pfizer import would be less concerning than a move from
18 Flynn to an altogether different manufactured product?

19 A. Epanutin is still -- if Epanutin is still printed on the
20 capsule my understanding is they still come out of the
21 same factory, so --

22 THE PRESIDENT: So your concerns would be much less, if any?

23 A. But again, I would expect continuity of supply as an
24 utmost concern.

25 THE PRESIDENT: That is why the branding of the generic is

1 important?

2 A. Absolutely.

3 THE PRESIDENT: Because you cannot be assured on a parallel
4 import, unless you look at the whatever labelling it is
5 in the fine detail?

6 A. Which may be under foil so you are unable to see that as
7 the dispensing pharmacy.

8 THE PRESIDENT: So your evidence is that the branding of the
9 generic is absolutely critical to the continuity of
10 supply which is in itself important for clinical
11 reasons?

12 A. Absolutely, yes.

13 THE PRESIDENT: I am very grateful.

14 Mr Brealey.

15 Further cross-examination by MR BREALEY

16 MR BREALEY: Thank you, sir.

17 Just for completeness, just so that -- you have been
18 discussing about prescribers and dispensers. If we
19 actually go to -- you mentioned the MHRA guidelines in
20 your statement, but if we can just have a look at them
21 at {XG/307} we have just seen the data that 91% of
22 prescriptions are open.

23 A. Could you zoom that in, please?

24 Q. It is more at the bottom, if you can enlarge it at the
25 bottom, so there we go:

1 "Additional advice for pharmacists."

2 We will read it and then you can give your evidence
3 on it:

4 "Dispensing pharmacists should ensure the continuity
5 of supply of a particular product when the prescription
6 specifies it. If the prescribed product is unavailable,
7 it may be necessary to dispense a product from
8 a different manufacturer to maintain continuity of
9 treatment of that AED. Such cases should be discussed
10 and agreed with both the prescriber and patient (or
11 carer)."

12 Then I would like just your comment on the next
13 line, because we have just seen that 91% of
14 prescriptions are open:

15 "Usual dispensing practice can be followed when
16 a specific product is not stated."

17 So that is the advice to the pharmacists that
18 I think Mr Doran referred to a few days ago. Do you
19 want to comment on that?

20 A. Yes, and that is in the context of the three categories
21 above that where, as I have said, Category 3 is not
22 changeable whereas Category 1, which phenytoin is
23 within, is not interchangeable, which is just off the
24 top of the screen.

25 Q. So you read that as not relating to phenytoin?

1 A. Sorry, no, quite the opposite. Continuity of supply is
2 even more important in the Category 1 products than it
3 is on the Category 3 products.

4 Q. But when a prescription is open, the guidance, and that
5 one line I have just read out, "usual dispensing
6 practice can be followed when a specific product is not
7 stated", if phenytoin -- if a specific product is not
8 stated, if it does not say NRIIM or Pfizer or Flynn, the
9 pharmacist can adopt usual dispensing practice and
10 dispense the cheapest?

11 A. You can. However, if you are talking about an epileptic
12 supply, professional ethics would be such that you
13 should be asking about that continuity of supply, as we
14 have just discussed, so usual dispensing practice would
15 include, as it says above, should be discussed with the
16 patient and the prescriber.

17 Q. Well, we can debate that, but --

18 THE PRESIDENT: Well, we can, but I think if we could just
19 move up a little bit to see Category 1. First of all
20 you mention guidance. Is this the guidance that you
21 were referring to in your evidence?

22 A. Yes.

23 THE PRESIDENT: We do not have to look at anything else?

24 A. No, this is the one, yes.

25 THE PRESIDENT: Thank you. If one looks at the Category 1:

1 "For these drugs, doctors are advised to ensure that
2 their patient is maintained on a specific manufacturer's
3 product."

4 So what you are there saying is that whether it is
5 generic or branded, you should enable the dispensing
6 pharmacy to work out who has manufactured it so that
7 continuity can be maintained?

8 A. Yes, and to pick up the point of counsel's, I would
9 class that as usual dispensing practice for the pharmacy
10 to make that clarification, given it specifically says
11 that patient should be maintained on a specific
12 manufacturer's product.

13 THE PRESIDENT: If one looks just below that, do you see the
14 heading:

15 "Advice for healthcare professionals"?

16 A. Yes, I can see that.

17 THE PRESIDENT: That is I think -- but do correct me if I am
18 wrong -- referring to the distinction you have been
19 drawing between a branded product, ie specifying a brand
20 name, or by using the generic drug name and the name of
21 the manufacturer?

22 A. Correct.

23 THE PRESIDENT: In other words, you are saying it should not
24 make a difference whether the drug is generic or
25 branded, you will be specific in terms of what should be

1 dispensed?

2 A. That particularly matters for phenytoin and the other
3 ones in Category 1, but the drugs in Category 3 may be
4 interchangeable between different manufacturers and
5 different generics, but absolutely, Category 1 you
6 should, wherever possible, stick to the same
7 manufacturer throughout.

8 THE PRESIDENT: Again, you may not be able to answer this
9 because the distinction between open and closed
10 prescriptions may be a rather more nuanced one than one
11 would like, but if I were a doctor prescribing a generic
12 drug with the name of the manufacturer, would that
13 prescription be closed or open in your classification?

14 A. That would be closed.

15 THE PRESIDENT: That would be closed, thank you.

16 Mr Brealey, your last chance?

17 MR BREALEY: No.

18 THE PRESIDENT: Any re-examination?

19 MR MCCARTHY: No, thank you.

20 THE PRESIDENT: Well, thank you very much, Mr White. We are
21 very much obliged to you for your assistance. You are
22 now released. Thank you.

23 THE WITNESS: Thank you very much.

24 MR MCCARTHY: Sir, the CMA will now call Shaun Green,
25 please.

1 MR SHAUN GREEN (affirmed)

2 THE PRESIDENT: Mr Green, good afternoon. Do sit down, make
3 yourself comfortable. I suspect that is the file you
4 should put away, but there may be behind you, a file
5 which has your witness statement in it. Why do you not
6 see if you can find that. They are whispering it is the
7 same bundle.

8 MR MCCARTHY: Yes.

9 THE PRESIDENT: Why do you not check if in that bundle you
10 have your witness statements in there because you will
11 be referred to them in a moment.

12 I will hand you over to Mr McCarthy who has some
13 questions for you.

14 Examination-in-chief by MR MCCARTHY

15 MR MCCARTHY: Mr Green, can I just check that is the bundle
16 with your two statements in it?

17 A. I am looking at A3 for my statement.

18 Q. Yes, and there should be two separate statements.

19 A. Yes, A4.

20 Q. And I will just give the Opus references for each of
21 them if that assists. The first statement is {XC2/6}.
22 If we could go to the signature page, please, on that
23 statement, I think it is at page {XC2/6/6}.

24 Mr Green, could you look at that signature and
25 confirm that that is in fact your signature?

1 A. Yes, that is correct.

2 Q. Can you also confirm that the facts you set out in your
3 statement are to the best of your knowledge and belief,
4 true?

5 A. That is correct.

6 Q. Thank you. Could you look at the second statement you
7 have given as well, please? That is Opus reference
8 {XC1/4}, and again if we could go to the signature page,
9 please, on that statement {XC1/4/8}. Again, this is
10 also your signature, is it?

11 A. That is correct, yes.

12 Q. Again, if you confirm that the facts set out in that
13 statement are true to the best of your knowledge and
14 belief, please?

15 A. They are, yes.

16 MR MCCARTHY: I am grateful. If you wait there, my learned
17 friend might have some questions.

18 Cross-examination by MR BREALEY

19 MR BREALEY: Just a few.

20 Good afternoon, Mr Green. Shall we go to your
21 second witness statement, please, which is on the Opus
22 {XC1/4}, and you say at paragraph 1 you are the Deputy
23 Director of Clinical Effectiveness and Medicines
24 Management for the NHS Somerset, you have performed your
25 current role for approximately 20 years, and then you

1 say that basically this role carries with it two
2 responsibilities: production of prescribing guidance and
3 efficient use of Somerset CCG's prescribing budget?

4 A. That is correct, yes.

5 Q. Can you briefly summarise what those roles entail, those
6 two roles?

7 A. Yes, very much looking at optimising the patient benefit
8 from medicines that are available, looking at new
9 evidence that is produced when new drugs come to market,
10 and where there is a choice of medicines, making sure
11 that they are prescribed in the most cost-effective way,
12 and importantly, making sure that patients are getting
13 the best benefit when taking their medicines as well.

14 Q. I take it you are a pharmacist?

15 A. I am a pharmacist by background.

16 Q. You just did not say. So everybody seems to be
17 a pharmacist.

18 Like before, have you dispensed any anti-seizure
19 medicines or have you been employed in this role for
20 many --

21 A. I have been a pharmacist for 35 years, and the first
22 15 years of my career I was working in a community
23 pharmacy dispensing medicines, yes.

24 Q. So you know all about anti-seizure medicines and --

25 A. I do, yes. I know a lot about Epanutin. It was even

1 around when I first qualified.

2 Q. Sorry, I beg your pardon, I missed --

3 A. Epanutin was around when I first qualified.

4 Q. Right, I think it has been around for about 100 years.

5 THE PRESIDENT: I think that was a joke, Mr Brealey.

6 MR BREALEY: If you go to [paragraph] 10 of your statement,

7 that is page {XC1/4/3}, you say correctly:

8 "CCGs no longer exist but historically held devolved
9 budgets from NHS England and ultimately the Department
10 of Health from which they needed to commission all
11 health services including primary and secondary care
12 which fell under their remit."

13 Just on the budget, can you just take the Tribunal
14 to how the Department of Health essentially set the
15 budget. I know it is based to a certain extent on
16 historic, but how did the process work?

17 A. There is a formula that the Department of Health use,
18 I do not know the exact details or what it is called
19 anymore, but it is based upon your population's health,
20 age, levels of deprivation, etc.

21 Q. How much control does the Department of Health exercise
22 over that budget? Is it fairly tightly ring-fenced?

23 A. There are certain elements of the budgets that are
24 devolved that are ring-fenced, for example, there was
25 a requirement around mental health spend that that must

1 be met. The rest of the budget is not so tightly
2 ring-fenced.

3 Q. I think we saw from Mr White that essentially the price
4 of the drugs, the reimbursement prices are controlled by
5 the Department of Health?

6 A. The drug tariff comes out every month and gives the
7 reimbursement prices from a CCG budget perspective at
8 the time between 10% and 15% of that overall budget
9 would be a drug spend, would be the sort of range
10 roughly.

11 Q. At paragraph 12, if you go to page {XC1/4/4}, can we
12 just have a look at paragraph 12. You say:

13 "Part of the process of planning prescribing
14 expenditure included assessment of new drugs coming to
15 market, how beneficial that drug would be and estimates
16 of the patient population who may require that new
17 drug."

18 Something you have just been referring to.

19 "One of the savings CCGs relied upon each year, when
20 estimating their prescribing budgets, was when branded
21 drugs lost their patent exclusivity and generic
22 equivalent drugs entered the market. Generic drugs
23 would almost exclusively be less expensive than the
24 originator brand and so CCGs would encourage and support
25 prescribers and patients to switch to the generic

1 version."

2 How would you encourage them to switch?

3 A. We would take a number of different approaches:

4 education, newsletters, annual meetings or regular
5 meetings with the general practices, and then if need
6 be, incentivising GPs to switch as well.

7 Q. You say in the second sentence that you are estimating
8 the cost in the budgets. How would you do that when
9 drugs are coming off on patent? How would you estimate
10 the potential cost saving in the forthcoming budget?

11 A. So each year I would get a budget from my finance
12 director for the 65 GP practices we probably had at the
13 time, and then I would set a budget for them based upon
14 their historical spend, their population, age of their
15 population, and where we had prevalence of various
16 disease stated within each practice.

17 So the cake that I would be given each year by the
18 director of finance I would cut up 65 ways, delegate
19 that down to the GP practices and work with them through
20 the year to try to manage --

21 Q. When you are making this estimate, when it looks as if
22 the drug is coming off patent, you will be estimating,
23 what, the fall in the volume in the incumbent brand?

24 A. Yes.

25 Q. Then you will be estimating what you consider to be

- 1 a fall in price?
- 2 A. That is correct, yes.
- 3 Q. So when you are looking at the budget you take the
4 higher price of the brand and the lower price of the
5 generic and then you add these costs up for the
6 forthcoming budget, do you?
- 7 A. So we would horizon-scan which is looking forward about
8 what is coming and what drugs were going to lose patent,
9 so you mention the Keith Ridge letter and he talked
10 about atorvastatin losing its patent and that being
11 a cost saving to the NHS. So the guidance that would
12 come out nationally each year would be us
13 forward-planning, seeing which drugs we thought were
14 going to lose patent and whether that would bring
15 a windfall or not to us, and we could take that into
16 account.
- 17 Q. So the CMA in its Decision has helpfully given some
18 examples of this. If you go to -- if we go to
19 {XA1/1/369}, which is the Decision. Maybe blow it up
20 a little bit. Do you know this product?
- 21 A. Yes.
- 22 Q. This is an anti-seizure medicine and you see here
23 lamotrigine which is the generic, yes, and Lamictal, the
24 brand, and these are tablets, and in the red, you have
25 the brand, and then obviously in 2005 it came off

1 patent, and the generic takes over, it looks like half
2 and half, and then the generic really takes off.

3 Although we have an increase in the volume supplied,
4 these are in millions. I am just trying to work out
5 what you are doing when you are estimating the budget.

6 As you just said, you will be estimating the fall in
7 volume, and you will be trying to work out what the
8 decrease in price will be.

9 A. Yes, you would estimate if, for example, a drug had
10 a cost of £50 as a brand, you would use your experience
11 and whatever guidance was coming out, and you would
12 probably expect that to drop by a certain per cent in
13 year one and then by more as more competition came to
14 market going forward into year two, etc.

15 Q. So in other words, for each budget you are estimating
16 the overall cost to the NHS -- you are estimating the
17 overall cost to the NHS of the generic and the brand?

18 A. Yes.

19 Q. In your statement, you refer -- I think it is at
20 paragraph 26 at page {XC1/4/7}, that you were concerned
21 about the price increase. Is that correct?

22 A. Very.

23 Q. You wrote to the Department of -- you wrote to the
24 ministry, the Department of Health?

25 A. I wrote to, I think, the Chief Pharmaceutical Officer.

- 1 Q. The chief pharmaceutical --
- 2 A. And as a CCG, we wrote to a number of MPs, Department of
3 Health, and then I think we even took it to the OFT.
4 That is how concerned we were.
- 5 Q. If we can go to {XD1/4/27}, can we have a look at that?
6 That is the response from the Department of Health. You
7 fairly exhibit this to your witness statement, but you
8 do not actually mention it. As I said, you do not kind
9 of refer to the text, so I wanted to go to the text.
- 10 The first paragraph of this is from the -- it is the
11 Parliament Under Secretary of State who is the relevant
12 minister in charge; yes?
- 13 A. I do not see who it is from because I --
- 14 Q. Sorry, go to page 2 {XD1/4/28}, but it is at the top of
15 the page --
- 16 A. Earl Howe, yes.
- 17 Q. Yes. If you go back to page 1 on the top left, you see
18 Parliamentary Under Secretary of State for quality.
19 {XD1/4/27}
- 20 This is referring to Somerset's clinical
21 commissioning group of 30 October; yes?
- 22 A. That is correct, yes.
- 23 Q. He says, this is the first paragraph:
24 "I am replying as the Minister responsible for
25 medicines and pharmacy policy."

1 So as the minister responsible for medicines and
2 pharmacy policy he has been charged with responding to
3 your complaint; yes? He says:

4 "I note Dr ... concerns about the recent increase in
5 the price of phenytoin ..."

6 He says:

7 "As [the person] is aware, the new supplier ... is
8 not marketing the product under the original brand name
9 of Epanutin."

10 Then I think you have been listening to the evidence
11 given by Mr White, you will see here the penultimate and
12 last paragraphs are very similar to the letter that we
13 saw a few moments ago.

14 A. Very similar to Keith Ridge's letter, yes.

15 Q. So:

16 "The Department is in discussion with the company
17 about ensuring that the NHS is getting value for money
18 when purchasing this product."

19 Then:

20 "However ..."

21 Again, it is the same statement:

22 "... as I am sure you will appreciate, one of the
23 Department's principal concerns has been to ensure the
24 continuity of supply to those patients who are currently
25 being treated with phenytoin."

1 I would like you to focus on the next sentence,
2 please:

3 "The cost of any medicine [in other words, phenytoin
4 here] has to be balanced against poorer patient outcomes
5 and the potential additional costs to the NHS from
6 adverse reactions if supply is interrupted."

7 Now, you obviously saw this at the time in 2012.
8 Can you explain to the Tribunal what the additional cost
9 to the NHS would be?

10 A. We all felt we were being fobbed off by this letter.

11 Q. No, I would like you to answer the specific question,
12 not to repeat what is in your statement. Can you answer
13 the question: what are the additional costs to the NHS?

14 A. From the increase in price or from patient outcomes?

15 Q. Patient outcome.

16 A. So if Epanutin had gone off the market, then there were
17 risks to patient outcomes. As has previously been
18 explained, the only option you would then have
19 potentially would be to switch patients to phenytoin
20 tablets.

21 Q. Right, let us just try and work this one out. If you
22 look at that first sentence, last paragraph:

23 "... the potential additional costs to the NHS from
24 adverse reactions if supply is interrupted."

25 What are the potential costs to the NHS if a patient

- 1 is no longer seizure-free?
- 2 A. So if supply was interrupted because Epanutin was no
3 longer available, then there were risks around patients
4 not being stable and having fits and, as you previously
5 discussed, an ambulance journey, mortality to patients,
6 patients being admitted. So everything we want to do
7 round epilepsy medication is to stop any patient having
8 a fit.
- 9 Q. Can we focus, please, on the question. What would be
10 the additional cost to the NHS, not to the -- I am not
11 looking at the patient now, I just would like you to
12 give the evidence to the Tribunal from your experience,
13 what would be the additional costs to the NHS?
- 14 A. If supply were interrupted and the patient did not
15 remain stable, then the risk would be they would have
16 more epileptic seizures, there would be a cost to the
17 transport for the ambulance to get to them and there
18 would be a cost if they were admitted into hospital
19 because of that fit.
- 20 Q. Costs of hospitalisation, costs of neurologists?
- 21 A. Yes.
- 22 Q. Outpatients?
- 23 A. Nursing care.
- 24 Q. Nursing care?
- 25 A. Feeding the patient in the hospital ward, all sorts of

1 costs, yes.

2 Q. Can we please -- you say "all sorts of costs". Can you
3 give me as many costs as you can, please?

4 A. Well, there are costs you could probably get around each
5 hospital admission and what that would take, and
6 depending on how many days they were in. You could get
7 a patient who had a fit and ended up in intensive care,
8 you could get a patient who had a fit and was discharged
9 the same day because they recovered very quickly. So it
10 would vary from patient to patient.

11 Q. Are they significant costs?

12 A. They are costs we want to avoid, yes.

13 Q. Are they significant?

14 A. The NHS's budget is very significant, and a lot of that
15 goes on hospitals.

16 THE PRESIDENT: Mr Green, is there a sort of average cost of
17 a visit to hospital?

18 A. There is, but I do not know what it is, sir.

19 THE PRESIDENT: Then I am sure it can be obtained as
20 something to supplement your evidence, thank you.

21 MR BREALEY: You would accept, logically, that phenytoin as
22 a drug produces benefits to the NHS because it avoids
23 the costs we have just been talking about?

24 A. Yes, you educated me by saying it had been around
25 100 years, and as far as we were aware, it was doing

1 a very good job for most patients for that length of
2 time it had been on the market.

3 Q. I take it that the answer -- you said "yes", is it does
4 produce benefits to the NHS because the drug leads to
5 the NHS not incurring the costs we have just been
6 talking about?

7 A. Any drug that gets a licence in the UK has to satisfy
8 the MHRA that it is producing benefits for patients and
9 phenytoin is certainly amongst those drugs, yes.

10 MR BREALEY: Sir, I have no further questions.

11 Questions by THE TRIBUNAL

12 THE PRESIDENT: Thank you. Mr Green, you were in court when
13 Mr White gave evidence.

14 A. I was, yes.

15 THE PRESIDENT: So I am going to keep my questions
16 commendably short and just work out whether there are
17 any differences of emphasis between you and him, it
18 would not be surprising if there were, but there may not
19 be.

20 So starting with the reason why in the case of
21 phenytoin capsules, continuity of supply is important,
22 do you agree with him that the primary reason is
23 a clinical reason and there is a secondary reason for
24 psychological patient comfort?

25 A. Yes, that is correct.

1 THE PRESIDENT: Do you have anything to add by way of --
2 A. From when I worked in community pharmacy to doing this
3 role, my understanding was that even a generically
4 written prescription would get dispensed as the Epanutin
5 brand. I was not even aware there was another capsule
6 on the market until this case arose. So I do not know
7 if the panel, etc, has heard the volumes of the other
8 capsule brand and how many were actually dispensed
9 compared to Epanutin being dispensed, but my
10 understanding was always 99% of capsules were dispensed
11 as Epanutin whether it was prescribed as Epanutin or as
12 the generic prescription.

13 THE PRESIDENT: Okay, so we have jumped a little bit to
14 the --

15 A. Sorry.

16 THE PRESIDENT: No, no, that is fine -- to the dispensing
17 side. Just to stick at the moment at the healthcare
18 professional level, that of the doctor, you heard what
19 Mr White said about the importance of closed
20 prescriptions, and his evidence was that a doctor should
21 either prescribe by reference to a brand -- Epanutin --
22 or by reference to a generic product but identify the
23 manufacturer. The upshot is the same. You have
24 continuity of supply. Is that again your evidence?

25 A. Yes, everyone in my position became aware of the MHRA

1 guidance that came out with the 1 to 3 categories, and
2 so, yes, Category 1 we would very much recommend brand
3 prescribing.

4 THE PRESIDENT: I take it, then, you would share surprise
5 that I think was evinced by Mr White when he saw the 91%
6 open prescriptions in the data?

7 A. Yes, except that Epanutin dominated the market. as
8 I said earlier, I was not aware there was another
9 capsule on the market, so my understanding were the vast
10 majority would have been Epanutin dispensed whether it
11 was --

12 THE PRESIDENT: So an explanation may be that in fact the
13 difference between open and closed mattered far less
14 because whether you said phenytoin or Epanutin, it meant
15 the same thing?

16 A. Yes.

17 THE PRESIDENT: I see. Then finally if one is at the level
18 of the pharmacy dispensing and one has a choice between
19 two phenytoin capsules, what is best practice regarding
20 the dispensing where there is a choice?

21 A. As both my colleagues said, very much you would want to
22 stick with what the patient had had before. We have
23 a code of ethics as pharmacists to put the patient
24 first, and God forbid you gave a different capsule and
25 the patient had an epileptic fit and did not survive,

1 you would have that taken against you, I would say, at
2 a professional ...

3 THE PRESIDENT: So when assuming a choice and an open
4 prescription you have a significant financial advantage
5 in going for one rather than the other, your evidence is
6 that you disregard the financial advantage and you stick
7 with the continuity of supply as trumping?

8 A. I think you are taking a huge risk if you do not, yes.

9 THE PRESIDENT: Thank you.

10 Mr Brealey, do you have anything to say?

11 MR BREALEY: Just on the NRIM market shares, I have been
12 referred to a document, so I am flying blind here, so
13 {XJ/46}. I know from dealing with the case before NRIM
14 got about 30% market share, I think, but there is
15 a graph, if you go to page {XJ/46/2}, and you blow it
16 up, you see there that Flynn is the blue, the NRIM is
17 the orange, and those are the market shares. It is
18 {XJ/46/2}.

19 PROFESSOR WATERSON: The table unfortunately does not have
20 a vertical axis.

21 MR BREALEY: No. Over the next page, I am told {XJ/46/4}.

22 A. Can I just clarify was NRIM launched in April 2013?

23 Q. Around about then, yes.

24 A. Okay, yes. I was not aware of it when we were writing
25 letters.

1 Q. No, it acquired quite a significant market share in
2 a very short space of time. We see in 2013 Flynn had
3 92, and then --

4 A. So prior to Flynn launching, every generic prescription
5 would have been dispensed as Epanutin.

6 MR BREALEY: Yes. There was no generic before the capsule.
7 If you look at 2014, quarter 4, NRIM has acquired 26% of
8 the market.

9 THE PRESIDENT: Again, these are not figures you are
10 expected to know, and it is only fair if we ask you if
11 you have any comment on this to comment.

12 A. No, just very much at the time we were writing about
13 this case NRIM had not launched, so as a community
14 pharmacist, if you had a generic prescription, would you
15 dispense Epanutin.

16 MR BREALEY: Sir, I have no further questions.

17 THE PRESIDENT: Mr McCarthy, do you have any?

18 MR MCCARTHY: No re-examination, sir.

19 THE PRESIDENT: Thank you very much, Mr Green, we are very
20 much obliged to you for your time. You are now released
21 from the witness box, thank you.

22 MR BREALEY: We could rise now. I think I will be
23 10 minutes with the next witness, so I do not know
24 whether you would prefer --

25 THE PRESIDENT: I think we will rise in any event and we

1 will resume in that case at 3.35.

2 MR BREALEY: Can I just ask, do you want Professor Walker to
3 start? He is due for his teach-in, I think we did
4 arrange for him to come if we finished in due time.

5 THE PRESIDENT: Well, I must say if he is here and given we
6 have all budgeted at least to run until 4.30-5.00, it
7 would be a shame not to, but that is a very marginal
8 thing and if anyone has strong views about that then
9 perhaps we will hear after --

10 MR BREALEY: He is a busy man. He has actually taken time
11 out.

12 THE PRESIDENT: Well, in that case, first of all, we are
13 very grateful to him, and secondly, what is more
14 convenient to him.

15 MR BREALEY: Thank you.

16 THE PRESIDENT: We will rise for ten minutes, thank you.

17 (3.26 pm)

18 (A short break)

19 (3.40 pm)

20 MR MCCARTHY: Sir, the CMA will call Susan Smith, please.

21 THE PRESIDENT: Thank you very much.

22 MS SUSAN SMITH (sworn)

23 THE PRESIDENT: Good afternoon, Ms Smith. Do sit down and
24 make yourself comfortable. I hope you have some water
25 there.

1 A. Yes.

2 THE PRESIDENT: You should have, I hope, your witness
3 statements before you.

4 A. I have got Shaun Green's in front of me.

5 THE PRESIDENT: Well, I hope counsel will take you through
6 the necessary tab to find your evidence.

7 MR MCCARTHY: Your witness statement should be in the same
8 bundle.

9 THE PRESIDENT: If you leaf through it.

10 A. Under which section? Yes, I have it.

11 THE PRESIDENT: Very good.

12 A. Okay.

13 Examination-in-chief by MR MCCARTHY

14 MR MCCARTHY: Just to give the Opus reference, it is
15 {XC1/5}.

16 Now, Ms Smith, can you just look at your statement,
17 familiarise yourself with it, and just to confirm that
18 is in fact your statement, please.

19 A. Yes, it is.

20 Q. And if you look at the signature which should be on page
21 {XC1/5/6} of the statement?

22 A. Yes, that is my signature.

23 Q. Can you confirm for the Tribunal the facts that you set
24 out in the statement are true to the best of your
25 knowledge and belief?

1 A. Yes, they are.

2 MR MCCARTHY: I am grateful. My learned friend might have
3 some questions for you.

4 Cross-examination by MR BREALEY

5 MR BREALEY: The great thing about going last is you get
6 fewer questions.

7 A. I am not complaining.

8 Q. So if we just quickly go to your witness statement just
9 to get the relevant point in time, paragraph 1, this is
10 at {XC1/5/1}, you are also a registered pharmacist and
11 you have been since 1983.

12 A. Yes.

13 Q. If one goes over the page {XC1/5/2}, in the middle, the
14 relevant period is from 2011 to 2016, you were Head of
15 Prescribing and Medicines Management at NHS Nene and NHS
16 Corby Clinical Commissioning Groups, so you were Nene
17 and Corby?

18 A. That is correct.

19 Q. At paragraph 15 of your statement, that is at {XC1/5/5},
20 again, we have been through this with Mr White and
21 Mr Green, you also refer to a letter of complaint that
22 you helped draft to the Chief Pharmaceutical Officer,
23 I think his name has been read out, but it is the doctor
24 you see there.

25 A. Yes.

1 Q. Then you fairly in the penultimate sentence, on
2 5 November 2012, your colleague received a reply from
3 the doctor:

4 "... which acknowledged the concerns regarding price
5 but also stated that one of the Department of Health's
6 principal concerns was to ensure continuity of supply
7 for patients."

8 As I say, you fairly produce that letter at SS1/24.

9 Can we go to that, please? That is, for Opus,
10 {XD1/5/24}.

11 It is a small point, but you just may want to
12 correct it. You say in your statement you received
13 a reply from Dr R, but actually it is from somebody
14 else, the initials SS, Medicines, Pharmacy and Industry.
15 It is from the Department of Health, but I do not know
16 whether you know?

17 A. Yes, I do acknowledge that that is a different
18 signature, yes. I think it was on behalf of Dr Ridge.

19 Q. I think -- I think his name has been read out --
20 Dr Keith Ridge asked this Simon person to reply; yes?

21 A. Yes.

22 Q. What would be the Medicines, Pharmacy and Industry? Is
23 that the Medicines, Pharmacy, Industry department in the
24 Department of Health, because this is a Department of
25 Health reply? What is the Medicines, Pharmacy and

1 Industry?

2 A. That is a section within the Department of Health that
3 would deal with this kind of matter and matters relating
4 to medicines, pricing, procurement, etc.

5 Q. So they are in charge of the pricing?

6 A. I am not --

7 Q. Or they know about the pricing?

8 A. I am not 100% certain if they are in charge of it, but,
9 yes, my understanding is they would know about the
10 pricing.

11 Q. They would be aware of the policy concerns relating to
12 any price, because they are the Department of Health?

13 A. I do not know.

14 Q. No, okay. Let us have a look at the letter, then. Did
15 you see this letter?

16 A. Yes.

17 Q. It starts off:

18 "Thank you for your letter ..."

19 The Department of Health says:

20 "The Department fully understands your concerns."

21 This is almost a standard letter. It is very
22 similar to the letters we have seen. The paragraph is:

23 "The new supplier [is] Flynn ..."

24 There is a paragraph:

25 "The Department is in discussion with [Flynn] ..."

1 Then as with Mr White and Mr Green I would like you
2 please to focus in on the next paragraph where we have
3 the same statement by the Department of Health to the
4 CCGs:

5 "The cost of any medicine..."

6 That is phenytoin here, yes?

7 A. Yes.

8 Q. "... has to be balanced with the potential additional
9 costs to the NHS through adverse reactions and reduced
10 patient outcomes if supply is interrupted."

11 I would like to ask you the same question I asked to
12 Mr White and Mr Green, and please focus on the question:
13 in your evidence, what would be the additional cost to
14 the NHS if someone was not seizure-free?

15 A. Do you want me to quantify that in terms of pounds? Is
16 that what you mean?

17 Q. No, I want -- well, if you could?

18 A. No, I cannot, I cannot, but as my colleagues have said,
19 if a patient's epilepsy became uncontrolled, they may
20 well have a seizure, they may well be admitted to
21 hospital, potentially by ambulance, they may well need
22 a hospital stay and further neurology consultations.

23 I mean, it probably would not be that this would
24 necessarily happen to everybody.

25 Q. No.

- 1 A. Some people may well switch to a different
2 anti-epileptic drug quite satisfactorily, but some
3 people, yes, would be at risk of seizures and those
4 consequences.
- 5 Q. This is for the purposes of the Tribunal because the
6 Tribunal has to write its judgment and you are here to
7 assist the Tribunal as well. Could you identify the
8 potential cost to the NHS? We have looked at
9 hospitalisation. Mr Green referred to the costs of
10 feeding, ambulances, community care. Do you agree with
11 all those?
- 12 A. I would agree with all of those, yes.
- 13 Q. Could you expand? You receive this and the Department
14 is telling you, you have got to balance the additional
15 costs for the NHS?
- 16 A. I cannot really think of anything further than what my
17 colleagues have said: ambulance costs, hospital costs,
18 community epilepsy nurse costs potentially. I cannot
19 really think of anything additional.
- 20 Q. The secondary care?
- 21 A. Secondary care is hospitals, yes.
- 22 Q. Right. Also the consultants, it is secondary care if
23 you visit a consultant, not in the hospital, but in
24 their practice?
- 25 A. Yes.

1 Q. So it is not limited just to hospitals. Anything else
2 you can --

3 A. There may be more GP appointments, there may be more GP
4 follow-up appointments if somebody's medicine is changed
5 subsequently, but I think my colleagues have covered all
6 the likely scenarios, yes.

7 THE PRESIDENT: Ms Smith, it is something of an unfair
8 question, but I will ask it anyway, and to be clear,
9 I am only really getting -- wanting a ballpark answer,
10 but if we define something as an avoidable seizure, in
11 other words, where a seizure results because continuity
12 of supply has been breached, so just assume that, there
13 is a seizure in an epileptic that would not have
14 happened but for the change to a different form of
15 medicine, resulting in the typical having to go to
16 hospital, see a consultant, all these things. What sort
17 of cost are we talking about in a ballpark? £100,
18 £1,000, £10,000, £100,000, that sort of figure?

19 A. I think we are talking several thousand pounds if
20 somebody is admitted to hospital.

21 THE PRESIDENT: Yes.

22 A. But I would not want to quantify it closer than that.

23 THE PRESIDENT: Fair enough, but if we are talking my orders
24 of magnitude, it is perhaps in the ballpark, in a bad
25 case, will be more like 10,000 than 1,000, or

- 1 would you --
- 2 A. Again, there is such a spectrum of patients.
- 3 THE PRESIDENT: Of course.
- 4 A. It is really hard to be precise. I would not want to be
5 drawn on that, but we are probably talking thousands of
6 pounds, not hundreds of pounds.
- 7 THE PRESIDENT: That is very helpful.
- 8 MR BREALEY: Just to be clear, as the President just said,
9 phenytoin is used not just when there is a breach of
10 continuity of supply, it is when other drugs have failed
11 as well, so phenytoin is the only effective drug because
12 it kicks in when other drugs have failed. Are you aware
13 of that?
- 14 A. I would not personally define it quite like that. It is
15 a very old drug, as we have said. It would be very
16 unusual for it to be used first-line in anybody because
17 it has an adverse event profile that you would not
18 particularly want. So --
- 19 Q. It is basically a third-line drug.
- 20 A. Yes.
- 21 Q. When other drugs have failed, patients are tried on
22 phenytoin, and it can be very effective in those
23 circumstances. Do you accept that?
- 24 A. Potentially. I am not a neurology expert, so I would
25 not like to --

1 Q. No, we are going to have evidence from one in a minute.

2 A. Exactly. I would think it would be quite unusual for
3 anybody to be initiated on phenytoin nowadays.

4 Q. Well, we will find out.

5 A. I am sure people much more knowledgeable than me will
6 know that, but it is mainly prescribing that has been --
7 patients that have been on it for many, many years, in
8 my experience.

9 THE PRESIDENT: But Ms Smith, just to be clear, leaving on
10 one side continuity of supply and sticking with
11 Mr Brealey's questions as to why one would prescribe
12 phenytoin capsules for the first time, presumably that
13 will be because first and second-line regimens were not
14 working and one would do so in order to minimise or
15 ideally eliminate seizures in the future?

16 A. As I say, there are so many anti-epileptic drugs
17 available now I would be quite surprised if anyone was
18 initiated on it or that many people were, but certainly
19 many years ago when there were not many others available
20 it certainly would be a good, important drug for many
21 people to stop or reduce their seizures.

22 THE PRESIDENT: Fair enough, it may be that the options are
23 increasing such that the need to prescribe for the first
24 time phenytoin capsules is receding.

25 A. Yes.

1 THE PRESIDENT: But can you think of any other reason why
2 one would prescribe phenytoin for the first time save to
3 eliminate the risk of future seizures?

4 A. I am not sure I fully understand the question, I am
5 sorry if I am missing the point.

6 THE PRESIDENT: That is all right, no, not at all. What
7 I am asking is you very fairly made the point that drug
8 regimens are evolving and that the need for prescribing
9 phenytoin capsules for the first time is diminishing.

10 A. Yes.

11 THE PRESIDENT: If, however, a phenytoin capsule regime is
12 commenced in a patient, then the only reason, I am
13 suggesting to you, why one would do that is to minimise
14 seizures which would otherwise occur if one tried
15 something else.

16 A. Yes.

17 MR BREALEY: Thank you.

18 So for the cohort of legacy patients, the many
19 thousands of them, I think you would accept that
20 phenytoin remains an essential and effective drug?

21 A. Yes.

22 MR BREALEY: Thank you.

23 I have no further questions, sir.

24 Questions by THE TRIBUNAL

25 THE PRESIDENT: Ms Smith, you were in court I think when

1 Mr White and Mr Green gave evidence.

2 A. Yes, I was.

3 THE PRESIDENT: So like Mr Brealey, I am going to keep this
4 as short as he has.

5 You heard my questions about the importance of
6 continuity of supply, the consequent importance for
7 closed prescriptions and even when one had open
8 prescriptions, the importance of a dispensing agent to
9 maintain continuity of supply.

10 Do you have anything to add to the answers that were
11 given by your colleagues or anything to contradict?

12 A. I would completely agree with them.

13 THE PRESIDENT: Well, I am not going to force you to
14 rehearse why you agree with them because they gave very
15 full answers.

16 PROFESSOR WATERSON: I was just going to ask, so you talked
17 about these people largely being legacy patients.

18 A. Largely.

19 PROFESSOR WATERSON: So do you know or can you estimate
20 roughly would they typically have been on the product
21 for many years?

22 A. I would say so, yes, by and large.

23 PROFESSOR WATERSON: So just to complete that, is it right
24 to say that once someone is put on a drug and it appears
25 to work for them, then they remain on that essentially

1 for the rest of their life?

2 A. Yes, if it is working for them, it would be very
3 unlikely to be changed.

4 PROFESSOR WATERSON: Thank you.

5 THE PRESIDENT: Mr Brealey, any further questions?

6 MR BREALEY: No, I am grateful, and thank you very much
7 indeed.

8 THE PRESIDENT: Any re-examination? No.
9 Ms Smith, thank you very much.

10 THE WITNESS: Thank you.

11 THE PRESIDENT: Very grateful for your time. You are
12 released.

13 THE WITNESS: Thank you.

14 MR JOHNSTON: Sir, I have spoken to Professor Walker. We
15 have a nice window of time now that could be sensible in
16 using for his teach-in if that is convenient for the
17 Tribunal.

18 THE PRESIDENT: Yes, we think the teach-in probably best
19 from the witness box and probably best that he be sworn.
20 I know we did not do that in other cases, but given his
21 cross-examination will follow from the teach-in, we will
22 do the swearing at the outset.

23 MR JOHNSTON: Just to be clear sir, the process that has
24 been agreed, disregard it if you feel differently, is
25 that Professor Walker would do his teach-in followed by

1 Professor Sander tomorrow morning, followed by
2 Professor Walker's cross-examination.

3 THE PRESIDENT: I see.

4 MR JOHNSTON: That is what has been understood between the
5 parties, but as I say, we are very much in your hands.
6 There would be successive teach-ins, they would not be
7 in purdah after the teach-in, if I can put it that way,
8 but of course would be if they were (inaudible).

9 THE PRESIDENT: That is a very helpful clarification. It is
10 not the order in the trial timetable I have got. That
11 is none the worse --

12 MR JOHNSTON: No, indeed, that was rectified by counsel for
13 the CMA over the weekend so (inaudible).

14 THE PRESIDENT: None the worse for that. Just to be
15 absolutely clear, therefore, we will have teach-in from
16 Walker and Sander, followed by cross-examination of
17 each. We will swear them once, they will be released in
18 terms of being able to speak to their legal teams after
19 their teach-in is concluded, not in the middle of the
20 teach-in if we have a break, and we will not be
21 re-swearing them, they will be under oath continuously,
22 but the purdah will operate in the attenuated manner
23 that I have just described.

24 MR JOHNSTON: Sir, I am very grateful. That is a very
25 helpful clarification. I would like to call Professor

1 Matthew Walker.

2 Sir, while Professor Walker is settling in in the
3 box, there is one other point of practical detail as
4 regards Professor Walker's evidence. He gave three
5 expert reports at the previous trial, each of which were
6 exhibited to his fourth report, so I am not proposing to
7 ask him to affirm each of those statements which he has
8 previously affirmed in 2016 but rather to affirm only
9 his fourth and fifth reports.

10 THE PRESIDENT: Does anyone have any problem with that?

11 That is absolutely fine.

12 MR JOHNSTON: I am very grateful.

13 He is going to be sworn now, is that right?

14 THE PRESIDENT: We will swear you now, yes, and then we will
15 proceed. Thank you for waiting.

16 PROFESSOR MATTHEW WALKER (affirmed)

17 THE PRESIDENT: Professor, do sit down, make yourself
18 comfortable. You have brought some materials into the
19 witness box with you.

20 A. Yes, these are my witness statements. I am quite happy
21 for them not to be here, but I just --

22 THE PRESIDENT: No, no, as long as that is all they are, you
23 are very welcome to them, they are your work.

24 Teach-in by PROFESSOR WALKER

25 MR JOHNSTON: Professor Walker, that is very convenient,

1 because I am not sure that there is actually an
2 expert bundle in the box at the moment, but I will work
3 electronically and you also have them in front of you in
4 terms of affirming the statements.

5 If you could turn to the first page of your fourth
6 expert report, and that is at {XE4/4/1}, is that your
7 fourth report?

8 A. Yes, fourth expert report in front of me.

9 Q. If you could turn to page {XE4/4/18}, is that your
10 signature?

11 A. That is my signature, yes.

12 Q. Does that expert opinion reflect your opinion to the
13 best of your knowledge and belief?

14 A. It does.

15 Q. Thank you. If you could turn --

16 THE PRESIDENT: Professor, you will have heard the exchange
17 between counsel and myself. Your fourth report exhibits
18 your first, second and third reports in the first round
19 of these proceedings. We are taking it that you have
20 nothing to change in respect of those?

21 A. No, sir, no. Those are my reports.

22 THE PRESIDENT: We will leave it there, then.

23 MR JOHNSTON: I am grateful.

24 Professor Walker, if you could turn to your fifth
25 report --

- 1 A. Yes, thank you.
- 2 Q. -- to page 1, just confirm, it should pop up on the
3 screen in a moment, it is at {XE4/5/1}. Is that your
4 fifth expert report?
- 5 A. It is.
- 6 Q. If you could turn to page {XE4/5/22}, please, is that
7 your signature?
- 8 A. That is my signature.
- 9 Q. Does that reflect your expert opinion to the best of
10 your knowledge and belief?
- 11 A. It does.
- 12 Q. Now, sir, I suppose perhaps the final wrinkle as the
13 guinea pig in this process, it is agreed that we are not
14 affirming position papers, so I am not proposing to take
15 Professor Walker to his position paper at this point.
- 16 Professor Walker, as you have heard from the
17 exchange with the court, this is an opportunity for you
18 to provide a teach-in to the court and, as we have
19 discussed, I will ask you some questions, doubtless the
20 Tribunal may have some questions as well, it is an
21 opportunity to give some context and unpack your expert
22 reports to help the Tribunal. So can I start by asking
23 you what role phenytoin plays in your work as
24 a neurologist?
- 25 A. Yes, certainly.

1 So it plays really three roles, so I have three
2 specific times when I use phenytoin. The first are
3 those people who are already prescribed phenytoin for
4 their epilepsy and in whom there is no suitable
5 alternative. The second group of people are people who
6 have severe seizures, severe and prolonged seizures,
7 when they come into hospital, and we use that initially
8 intravenously, in through the vein to stop the seizures,
9 because it is very effective at doing that, and then
10 they will go on to oral phenytoin whilst in hospital and
11 for some time afterwards, and then the third group of
12 people in whom I use phenytoin is as a third-line
13 treatment as outlined in the NICE guidance, so when
14 people have failed on first and second-line treatments.

15 But I have to just add in something there as well,
16 which is that whenever we have a patient in front of us,
17 you know, every person is different, and the side
18 effects of specific drugs may be unsuitable for that
19 particular person, so, for example, valproate at the
20 moment would not be used in women of childbearing age in
21 focal epilepsy, and then you can take another drug,
22 topiramate that I think was in 2012 used down as
23 a second line drug, but people very often have problems
24 with word-finding difficulties, there can be some
25 cognitive problems with that that can be quite profound,

1 so in some instances I prefer phenytoin sometimes above
2 that even though it is a third-line drug in the NICE
3 guidance, so it is about taking the patient in front of
4 you and trying to sort out what is the best sequence of
5 drugs to use, and that is also when third-line means
6 when other drugs have failed, so they have not
7 controlled the epilepsy.

8 Q. Could you assist the Tribunal to understand how the role
9 of phenytoin might have changed in the period since
10 2012?

11 A. Yes, so it has changed in a number of ways, one of which
12 is, as you have heard, there are more anti-seizure
13 medications available, so it is used probably less
14 commonly as a third-line treatment as there are other
15 treatments that may be used ahead of it in that respect.

16 Also we very much like to monitor the drug levels or
17 at least get the phenytoin levels monitored especially
18 when starting people on phenytoin, and over Covid, for
19 example, it was quite difficult to do that, and so over
20 Covid we did not or certainly I did not use phenytoin
21 quite as much as I did prior to and subsequent to Covid,
22 because it was just difficult to get people to their GPs
23 to get their drug levels monitored.

24 Q. Thank you. Could you give some examples of patients
25 that you treat or are treating at the moment who are on

1 phenytoin?

2 A. Yes, certainly. So I have given some examples. I can
3 go over those examples, and also some additional
4 examples.

5 So the examples I gave are of a woman who is in her
6 60s if I recall correctly who had had epilepsy since
7 childhood, in fact she had a generalised epilepsy which
8 is she had convulsions, and they were actually quite
9 poorly controlled as a child and they came under control
10 with phenytoin, and over the years, there had been
11 attempts to try to change her on to other medications,
12 she still had occasional convulsions, but it was not
13 possible to change her, this was done mainly by other
14 neurologists, and then when she came to me we added in
15 another medication, levetiracetam, she became
16 seizure-free, and then there was the idea of trying to
17 withdraw her from phenytoin, but we were unable to do
18 that, and so she required phenytoin and levetiracetam,
19 and she remained seizure-free and has been seizure-free
20 for 20 years or so.

21 The other person I can think of is a man who again
22 was on phenytoin, prescribed in his 40s, and he was in
23 his 70s when I saw him, and again, the reason he was
24 referred to me was that people had tried to take him off
25 his phenytoin and he had had a recurrence of seizures

1 and we established him on his phenytoin, and he became
2 seizure-free. He is a writer, it had no impact on his
3 quality of life, he had no adverse effects with
4 phenytoin, was very happy with it and in fact there had
5 been other neurologists who had been unhappy and wanted
6 to try to convert him but without success.

7 I can give many examples. A third example, just as
8 a contrast, was a 19-year-old boy who had very severe
9 epilepsy, he was having many seizures every single day,
10 and he had been tried on multiple anti-seizure
11 medications. He was referred to me, in fact, he was
12 transferred from one hospital to another, we put him on
13 to phenytoin, that actually controlled his seizures
14 pretty well. It did not stop the seizures altogether,
15 but it controlled them to such an extent that he was
16 able to walk, for example, which he had been unable to
17 do because of the frequency of the seizures that he had
18 had previously. So it had worked when other drugs had
19 failed.

20 THE PRESIDENT: Professor, forgive my ignorance, but you
21 have been mentioning the word "seizures" quite a lot and
22 as I understand it, there are different sorts of
23 seizures that confer(?) an epileptic event?

24 A. There are, yes.

25 THE PRESIDENT: Are the avoided seizures using phenytoin of

1 the same range as the avoided seizures using other drugs
2 or is phenytoin used to avert particular types of --
3 type of seizure?

4 A. That is a very good question, sir. So we divide
5 seizures into focal seizures and generalised seizures,
6 and within the focal seizures, these are seizures that
7 begin in one part of the brain and then spread, and then
8 they can spread throughout the brain in which case the
9 person has a convulsion. Phenytoin is used specifically
10 in those types of seizures, as are most of the
11 anti-seizure medications.

12 There are, then, generalised seizures and those come
13 in a number of different forms. There are absent
14 seizures that people can have with blank spells, and
15 little jerks that people can suddenly get and those
16 seizures do not respond to phenytoin, in fact, there are
17 many anti-seizure medications they do not respond to and
18 so we have a rather restricted range of drugs we can use
19 in that type of epilepsy, and then as generalised
20 seizures people also can have convulsions, sort of
21 tonic-clonic seizures as we term them and they respond
22 well to phenytoin, and indeed, there I have one instance
23 that I can think of off the top of my head of somebody
24 who has a mixture of absences and other seizures, and
25 also the convulsions, who is now on phenytoin because

1 the other -- the major seizures have not responded to
2 any medication.

3 THE PRESIDENT: So applying an extremely broad brush,
4 phenytoin, when it is appropriate to prescribe as part
5 of the regimen, targets a broad range but at the more
6 serious end of the seizure range than the minor -- is
7 that putting it too trivially?

8 A. Yes, it targets the most serious -- the ultimate seizure
9 is a convulsion, I mean, that is the most serious form
10 of seizure, and it targets that, but it also targets
11 other smaller seizure types as well, but there are
12 a range of seizures for whom we -- and seizure types
13 where we would not use phenytoin, we would use other
14 drugs ahead of that.

15 THE PRESIDENT: Thank you.

16 PROFESSOR WATERSON: You have obviously talked about cases
17 that have been beneficially treated with phenytoin. Do
18 you also find that some of the people that you put on
19 phenytoin, it does not work for them?

20 A. Yes, a very good question as well. So when we get to
21 third-line therapies, we are talking about probably only
22 5% of people becoming seizure-free regardless of what we
23 try, so many of those patients will not respond to
24 phenytoin, so they will go on to phenytoin for a short
25 period of time. If it has been successful, they will

1 remain on it, if not, they will come off, and indeed,
2 I have had that recently, somebody where we were trying
3 different drugs, we tried phenytoin and indeed it did
4 not have a big effect on the seizures and they came off
5 that drug, so it is not invariably effective.

6 THE PRESIDENT: Just to understand the process, what sort of
7 timeframe does it take to work out whether phenytoin --
8 let us use that as the example -- is working or is not,
9 because presumably you have not merely the question of
10 whether in principle this third-line treatment works,
11 but also to get the dosage right and presumably there is
12 an interaction between the two questions?

13 A. Yes, absolutely. So one of the advantages of phenytoin
14 is that we can actually introduce it quite rapidly, and
15 some of the drugs, for example, lamotrigine, which is
16 a first-line therapy, it can take months before we get
17 up to a dose where we think that is going to have
18 a therapeutic effect. Phenytoin, if we are using it in
19 hospital, we can get a therapeutic level almost
20 immediately, so we can just load people up with an
21 adequate dose. When we are doing that as outpatients we
22 do not want to do that because if you give them too much
23 they have side effects, so we start at a fixed dose, and
24 I would say that usually within about a month we get on
25 to a dose where we would expect that to have some

1 therapeutic effect.

2 Then obviously, judging whether it has had
3 a therapeutic effect depends on how frequently people
4 have seizures. If they have them every day, then we
5 know quite quickly, but if they have them every month or
6 so, we may have to wait a while before we know it has
7 been effective.

8 MR DORAN: You mentioned at the outset that you do blood
9 tests regularly and that is often dependent on people
10 going to GPs once they have gone out of hospital.

11 A. Yes.

12 MR DORAN: Those are done to make sure that you do not
13 over-medicate, if, say, the right effect can be had at
14 a lower dose. Is that the point?

15 A. Yes, so phenytoin has an almost unique -- what we term
16 pharmacokinetics, which is the way the body deals with
17 the drug amongst the anti-seizure medications, and it
18 shows something that we term saturation kinetics, so
19 that means that as we step up the dose, so the levels go
20 up, but once we get to a certain level, then small
21 increments in dose will lead to larger increases in
22 blood levels, and one of the usefulness of monitoring
23 the blood levels is to know whether you are within that
24 range. So, for example, if you are below that range,
25 take an example, I may start somebody on, say, 200mg and

1 I would be happy to increase it by 50mg, and once they
2 get within that range I would only be increasing in
3 increments of 25mg because of the risk of the levels
4 shooting up.

5 MR DORAN: Just as a follow-up, you said pre-Covid you
6 perhaps used more phenytoin and post-Covid it has
7 changed your prescribing?

8 A. No, during Covid it changed. There has been
9 difficulties more recently with patients accessing GPs,
10 but during Covid it was particularly difficult, and so
11 I was not so keen then when it was important to be able
12 to monitor levels, but that is now reverting to the way
13 things were, so now people can get access to having
14 their bloods done.

15 MR DORAN: Your prescribing has reverted?

16 A. My prescribing has reverted, yes.

17 MR JOHNSTON: Professor Walker, do you know if other
18 neurologists in the UK, including your colleagues,
19 prescribe phenytoin to patients for the first time?

20 A. I do know that, and I know that from two sources, one of
21 which is that I get referred patients from colleagues
22 for third opinions, and I have been referred patients,
23 in fact I was referred a patient recently who had been
24 put on phenytoin as a third-line treatment, so I know
25 very well from that experience.

1 I have to say that I read of course Professor
2 Sander's report, I know Professor Sander very well, and
3 I do respect Professor Sander, and so having read his
4 report I was slightly taken aback about the view he had
5 taken, and I wanted to know from my own point of view
6 whether that was, you know, a view which was shared
7 generally amongst colleagues.

8 So I have spoken to colleagues, I have spoken to
9 a number of colleagues within my own department, and
10 also outside, and asked them about their use of
11 phenytoin, and I have found that it much more aligns
12 with my use than it does with the complete abandonment
13 of phenytoin as an anti-seizure medication.

14 So it is my experience, obviously it is a straw
15 poll, it is not looking at all the neurologists within
16 the UK, but it has certainly been my experience that the
17 majority of the people I have spoken to seem to be using
18 phenytoin as third-line.

19 Q. Thank you. Can you explain why in your opinion and
20 understanding phenytoin was made a third-line treatment
21 in 2012?

22 A. Yes, so phenytoin has always been a very effective
23 anti-seizure medication, and when you look at it
24 compared to some of the other anti-seizure medications,
25 it is amongst the most effective medication, so it has

1 always been recognised that it is an effective
2 medication.

3 It has side effects, so it is in a class of drug
4 called sodium channel blockers, and there is a number of
5 anti-seizure medications now in that class, and they
6 have very similar side effects as the dose goes up, so
7 if you get up to high doses people become unsteady, they
8 get double vision, they feel sick. If you have very
9 high doses they will go into coma, so as the dose goes
10 up, you have those particular problems.

11 With phenytoin, because of its pharmacokinetics
12 means it is more difficult to use than many of the
13 others because you can get into that sort of therapeutic
14 range, and then you find that as you go up, you can
15 actually get toxicity more readily, sometimes more than
16 you could do with the others. So the pharmacokinetics
17 has really been there driving phenytoin down the order
18 of drugs that we use because the other drugs, it is just
19 much easier because you know that as you give a dose,
20 when people have low levels, it is in effect the same
21 dose when you give them and they have higher levels,
22 whilst with phenytoin in effect it appears like a higher
23 dose when you are using -- when the levels are high, if
24 that -- if I have made that clear.

25 Then also phenytoin interacts with other

1 anti-seizure medications, and because of its
2 interactions, it makes it more difficult to use when you
3 have other medications, and you are adding it in,
4 because of the possibility of interacting with those
5 medications.

6 So that sort of -- those what we term
7 pharmacokinetics characteristics of the drug have really
8 driven the use of phenytoin down into third-line
9 therapy.

10 Q. You have given plenty of evidence across all of your
11 reports about the side effects of phenytoin and also
12 various other drugs. Can you summarise for the Tribunal
13 your views in relation to the side effects of phenytoin
14 starting with the acute side effects of phenytoin and
15 how in practical terms as a clinician you would manage
16 those?

17 A. So I went over the acute side effects. The main acute
18 side effects would be unsteadiness, double vision,
19 nausea, and then at high dosages you get into coma, but
20 those side effects are dose-related so as the levels of
21 the phenytoin go up, so those side effects can appear,
22 and that is something that is shared with many other
23 anti-seizure medications because many of them fall into
24 similar class of drugs, and the way that we address
25 those acute side effects is to reduce the dose.

1 So what I would do is you would step up the dose,
2 you warn the person about these acute side effects and
3 then you say: if you start to get this problem, then
4 reduce the dose by 25mg and then those side effects
5 usually resolve.

6 THE PRESIDENT: So one of the attractions of, at least
7 sodium phenytoin, is that once you have the regime right
8 you do not need to adjust it, assuming no material
9 change of circumstance in the patient?

10 A. Yes, so once you get on to a steady dose, then you can
11 just leave the person on that dose. I have to qualify
12 that, sir. So the -- you know, if people start to take
13 other medications they could interfere with phenytoin so
14 you would have to monitor them. Obviously pregnancy is
15 another issue. Then sometimes as people get older, they
16 handle -- their body handles drugs differently so you
17 have to monitor the phenytoin levels then. But these
18 are all things that are usually quite manageable, and
19 people will have regular, perhaps yearly, phenytoin
20 levels done to make sure that it is still in the same
21 range, and if it looks like it is sort of creeping off,
22 then you may adjust the dose or if they start to
23 complain of side effects then you may adjust the dose.

24 THE PRESIDENT: But it is unlike -- again, do forgive my
25 ignorance -- some painkillers you have to increase the

1 dosage as a matter of course to retain the same effect,
2 and that is not the case with phenytoin?

3 A. No, you don't, you are right, so there is this thing
4 where you can get tolerance to a drug and then you have
5 to increase the dose and that is precisely what happens
6 with some painkillers. There are also classes of
7 anti-seizure medications where that happens as well,
8 where you have to constantly increase the dose to get
9 the effect that you would like, but phenytoin is not in
10 that class, you are right, once you are on it, and
11 indeed that is my experience, as I say, I have people
12 who have been on it for 60-odd years, and they have
13 stayed on almost the same dose they had 60 years ago.

14 MR JOHNSTON: Thank you. Could you assist the Tribunal to
15 understand a bit about the idiosyncratic side effects of
16 phenytoin and again, how they would be managed?

17 A. Yes. So the idiosyncratic side effects are almost like
18 allergic reactions that happen to drugs, and this
19 happens with many drugs, like penicillin, it happens
20 with many of the anti-seizure medications. The main
21 ones of concern with phenytoin would be a rash, which
22 can occur, maybe in about 3% of people on phenytoin, and
23 you would then just stop the medication. This is very
24 common to all of the anti-seizure medications.

25 There are more serious idiosyncratic reactions and

1 I think a good example of that is something called
2 Stevens-Johnson Syndrome, which is a very severe
3 reaction which can result in death. That is very rare
4 with phenytoin, it is probably less than 1 in 10,000.
5 It is more common in probably drugs like lamotrigine
6 which is a first-line therapy, so again, it is a side
7 effect that is used by others, and the way that we try
8 to avoid that is by warning people that if they develop
9 any allergic reaction, develop fever or develop a rash,
10 then they should -- they need to come off the
11 medication, see their GP and be appropriately treated,
12 and indeed, the new drugs, cenobamate which has just
13 been licensed and has been used to a large degree
14 because of its efficacy, again, has exactly the same
15 sort of problems that we can see with these allergic
16 reactions.

17 In fact the last one I saw was lamotrigine, so that
18 was a young woman who ended up on intensive care and
19 lost her vision, but lamotrigine started as a first-line
20 therapy, so these are risks that we have to warn people
21 about.

22 MR JOHNSTON: That is very helpful. Could you assist the
23 Tribunal to understand a little bit about the chronic
24 side effects of phenytoin and how they would be managed?

25 A. Yes. So chronic side effects, there is a sort of range

1 of definitions of how long you have to be on something
2 for it to be chronic. I mean, for phenytoin, phenytoin
3 has been around for 80 years, so we know people who have
4 been on it for -- I am not sure if I know anybody who
5 has been on it at the moment for 80 years, but certainly
6 there has been people on it for 50, 60 years, and there
7 has been a long experience of its use, and we know that
8 over time you can see these chronic side effects, one of
9 which, for example, is swelling of the gums, and that is
10 something that, you know, I warn people about. There is
11 good evidence that good dental hygiene can reduce the
12 instance of that and that, if they are monitored by --
13 I will also make sure they are monitored by their
14 dentist, and I have to say that although it was
15 something that was considered a concerning side effect
16 when I started in neurology, which was a few years back,
17 it has become less so, and I think that may well be
18 because of things like better dental hygiene.
19 I certainly do not see it as a big problem, but there
20 has been an instance where I changed somebody's drug
21 from phenytoin because of it.

22 Then there are other things that we consider, so
23 there is something called coarsening of facial features,
24 there was quite a lot made of that back in the 1980s,
25 actually, and again, that is not something that I have

1 seen as a particularly concerning side effect long term
2 in the patients whom I have on phenytoin. In fact, the
3 majority of people who I have on long-term phenytoin do
4 not complain of chronic side effects.

5 Then the last thing that we do get concerned about,
6 and there has been growing evidence about this, is
7 osteoporosis, and this is obviously a concern for us all
8 as we get -- as we do not get any younger, but with
9 drugs like phenytoin, which are enzyme-inducing drugs,
10 there is a concern that they can speed up osteoporosis.
11 The mechanisms by which they do that are not absolutely
12 clear, but one of them may be by reducing vitamin D
13 levels, so we now closely monitor vitamin D levels and
14 make sure that people are on vitamin D who are on these
15 drugs, but there may be other mechanisms because
16 although reduction of vitamin D by enzyme inducers which
17 are drugs that increase the breakdown of certain
18 substances in the body, the thought has been that it was
19 vitamin D that was the main culprit, but we now find
20 that a number of these drugs that are not enzyme
21 inducers are also associated with osteoporosis, one of
22 the biggest examples is sodium valproate, but that is
23 also something that we warn people about, we monitor
24 their vitamin D, we make sure they are on vitamin D,
25 certainly if they are deficient, or the default is

1 usually to put them on vitamin D and then also we
2 monitor their bone health as they get older.

3 Q. Could you explain to the Tribunal a technical point that
4 has arisen at various points: the difference between
5 side effects and tolerability?

6 A. Yes. So side effects, I mean, they have a number of
7 different names, but side effects is any unwanted, or
8 indeed, sometimes you could say, even a wanted side
9 effect to the drug, but it is an effect of the drug that
10 the drug was not designed to have, so phenytoin is an
11 anti-seizure medication. As a matter of interest, it
12 has recently been shown, for example, that phenytoin
13 decreased the instance of long Covid if you were on it,
14 so that may be a positive side effect, but most side
15 effects are negative. But they are just a list of
16 anything that is an unwanted effect.

17 Tolerability, on the other hand, is the person's
18 response to those side effects. So people will be quite
19 happy to have some side effects from medication and
20 again, I can take an example, topiramate which although
21 it may cause word-finding difficulty, causes weight loss
22 and some people would be very happy to accept that as
23 a side effect. Other things like word difficulties with
24 topiramate may be something that some people in society
25 would be happy to contend with, whilst others, you know,

1 lawyers, for example, would not want that as a specific
2 side effect of their medication.

3 So the tolerability of a medication depends really
4 upon who you have in front of you, and also depends upon
5 what they perceive as the benefit as well from the
6 medication, so it is a perception.

7 Q. Thank you. Can I ask you -- and you have already
8 touched on this briefly -- to explain to the Tribunal
9 the difference between enzyme-inducing AEDs and
10 non-enzyme inducing AEDs?

11 A. Yes. So the liver has enzymes in it that break down
12 drugs, but they also break down other things in the
13 normal body like hormones and they will also break down
14 vitamins as well, so the liver acts there breaking down
15 these things into other molecules that can then be
16 easily excreted from the body, so this is something that
17 we all have, and some of the anti-seizure medications
18 have no effects on these enzymes at all. Some of them
19 inhibit those enzymes so that the body will be less good
20 at breaking down other drugs, or indeed, may be less
21 good at breaking down other toxic compounds, and other
22 drugs are what we term enzyme inducers, where they
23 increase the activity of these enzymes, and
24 enzyme-inducing drugs, because they increase the
25 activity of those enzymes, they interact with other

1 drugs that are broken down by those enzymes, not only
2 anti-seizure medications but things like the
3 contraceptive pill, and then they will also reduce
4 things like the vitamin D level, things that we can
5 monitor, so they may have other effects as well.

6 So we tend to broadly divide the drugs into those
7 two categories and the enzyme-inducing drugs tend to
8 have more interactions, but phenytoin is not unique in
9 this. I would think that almost the majority of
10 anti-seizure medications we have are enzyme-inducing.
11 Carbamazepine, which in 2012 is listed as a first-line
12 therapy is a very potent enzyme inducer, in fact, there
13 is evidence to suggest it is probably more potent than
14 phenytoin. So this is a property shared by a number of
15 the drugs.

16 MR JOHNSTON: Sir, I am conscious of the time. Does the
17 Tribunal have another, probably ten minutes. I am going
18 to touch on continuity of supply, and I am mindful that
19 that may cause some questions from the Tribunal as well,
20 but I think it would be useful to finish today if we
21 can.

22 THE PRESIDENT: I think it would be useful to finish today.

23 I see we have budgeted until 5.00 --

24 MR JOHNSTON: I am very grateful.

25 THE PRESIDENT: -- so we are very happy to continue until

1 then, Professor, if you are.

2 MR JOHNSTON: I am very grateful. I had one more question
3 in relation to enzyme-inducing AEDs. How clear is the
4 evidence or the boundary between enzyme-inducing AEDs
5 and non-enzyme-inducing AEDs in terms of their chronic
6 effects?

7 A. So I think the boundaries, the main chronic side
8 effects, the chronic side effects that we are concerned
9 with enzyme inducers, are osteoporosis, and the second
10 one that over time has been there as something that has
11 caused some concern as well is whether there is an
12 increased risk of cardiovascular disease because they
13 can have effects on cholesterol levels, amongst other
14 things, and so if I take us back to 2012, it was thought
15 that enzyme-inducing drugs were the main reason or the
16 main drugs that increased osteoporosis, but even then we
17 recognised that sodium valproate which is a non-enzyme
18 inducer can also.

19 There has been mixed evidence about some of the
20 other drugs. It is now thought that the effect on
21 osteoporosis is not just reduction of things like
22 vitamin D, but also it may be the way that they affect
23 the cells in the bone, so we have these cells in the
24 bone that eat bone and remodel bone and then lay down
25 bone, and those cells themselves are affected by

1 anti-seizure medications and it is now realised that
2 many of the medications that are not enzyme inducers may
3 have effects on those as well, so this is still
4 something that is under investigation.

5 The other concern was of increasing the risks of
6 stroke and cardiovascular disease, and there had been
7 a sort of theoretical risk that had been raised many
8 years ago because of these concerns about raising
9 cholesterol, and it has always been said that, you know,
10 it is very important to maintain cholesterol, measure
11 the cholesterol levels on those people on the
12 anti-seizure medications, and the absolute risk, where
13 there was a risk, was in 2012 was completely unknown,
14 more recently in 2021, there have been two papers that
15 have come to opposite conclusions. Both papers conclude
16 that the risk of stroke and cardiovascular disease is
17 higher in people with epilepsy and one concluded that
18 enzyme-inducing drugs were worse than
19 non-enzyme-inducing drugs and the other one concluded
20 there was no difference.

21 So there is still controversy in this area, but it
22 does mean that when people are on enzyme-inducing drugs
23 we will monitor, in fact, I think now everybody has
24 their cholesterol monitored in any case, but we will
25 monitor more carefully things like cholesterol levels.

1 Q. Before we come to continuity of supply, can I ask you
2 just to take a step back. There has been an incredibly
3 helpful volume of detail there about all of these
4 different issues and we have focused particularly on
5 phenytoin, but I would like to try to put it into
6 context alongside some of the other AEDs that the
7 Tribunal is going to be hearing about over the next day
8 or so, and particularly to start maybe by asking you
9 about an opinion that Professor Sander has articulated
10 where he says, and I perhaps may be not directly quoting
11 him but very close, that phenytoin provides the worst
12 package as an AED, taking into account everything,
13 taking into account the side effects, chronic, acute,
14 idiosyncratic, non-linear pharmacokinetics, all the
15 things that you have been talking about, his evidence is
16 that it is the worst package, or to put it another way,
17 perhaps the worst product, the worst AED available at
18 this moment.

19 Do you agree with that conclusion and can you try
20 and put phenytoin into some kind of context alongside
21 the other products that you or the other drugs that you
22 prescribe?

23 A. Yes, so, I do not agree with that. I am going to start
24 with the fact that there are greater evils, and there
25 are, so a number of the anti-seizure medications,

1 vigabatrin, for example, a third of people will start to
2 lose their vision on it, and that is now rarely used
3 because of that.

4 There are drugs like topiramate, for example, where
5 people can have quite marked cognitive problems, and
6 then, when you start to compare and think about
7 phenytoin compared to the other drugs, no matter how you
8 look at it, phenytoin remains one of the most effective
9 anti-seizure medications, and in fact, although it is
10 not in my evidence, there was a paper last year
11 indicating that it was effective in a form of epilepsy
12 that many of the other drugs were ineffective in. So it
13 has always remained a very effective medication.

14 Its side effect profile in terms of the acute side
15 effects and tolerability are very similar to that of
16 carbamazepine, and when it has been compared head to
17 head against carbamazepine as monotherapy, the side
18 effect profile and the tolerability to people staying on
19 the drug was very similar.

20 Lamotrigine, it is probably less well tolerated than
21 lamotrigine, and so that is why lamotrigine and
22 levetiracetam we would now use as first-line therapies
23 ahead of others.

24 So it remains something that is probably as well
25 tolerated as carbamazepine, it remains a particularly

1 effective drug. In my experience, I think it is
2 probably more effective than lamotrigine, that is not
3 borne out by large studies, but most of the large
4 studies, the efficacy overlaps from one drug to another,
5 so it is very difficult to separate them out, but
6 certainly in my practice phenytoin will work when
7 lamotrigine has failed.

8 Its side effect tolerability is very similar to
9 carbamazepine. The long-term side effects are not
10 things that I have found to be particularly troublesome,
11 and the things I find most troublesome with phenytoin is
12 its pharmacokinetics and its interaction with other
13 drugs.

14 Q. That is very helpful. Can I ask you --

15 THE PRESIDENT: Are you moving on to another topic?

16 MR JOHNSTON: Of course. I was going to move on to
17 continuity of supply at that point, so it may be a good
18 point for you, sir, to ask a question.

19 THE PRESIDENT: In that case, just a question to clarify, as
20 it were, the question one is asking about the package
21 that is phenytoin.

22 In a sense, the description of phenytoin as
23 a package is postulating a freedom of choice which does
24 not really exist, because what one is doing, as
25 I understand it -- and do correct me if I am wrong -- is

1 one is identifying a malady, the epilepsy, there are
2 various first and second-line drugs which are used to
3 combat that, and if they cure the problem, well, then,
4 that is fine.

5 You turn to phenytoin as one of a range of
6 alternatives when the problem is not resolved by other
7 means. So the benefit is the avoidance of the seizures,
8 and if that does not work, well, then, the question of
9 side effects does not arise, because you just do not use
10 it.

11 So is not one asking a rather more nuanced question
12 than: is the package worth the candle. One is
13 asking: given that the package works in the sense that
14 it is eliminating seizures that would otherwise occur,
15 otherwise you would not be prescribing it, is it
16 worthwhile doing that, and is that perhaps a more
17 helpful way of framing the question as to why one might
18 use phenytoin?

19 A. Yes, it is, sir, and that is a very good way of putting
20 it, and, yes, I mean, it is like at what cost? So there
21 are certain drugs which have been removed from the
22 market, even though they may help some people stop
23 seizures because their side effect profile is so severe
24 that they are unacceptable and then when you put
25 somebody on to phenytoin, the question is have you

1 removed their seizures with the side effects that are
2 tolerable or with no side effects at all, and that
3 occurs with phenytoin. So it remains a useful drug in
4 those patients.

5 In others, as was brought up earlier, you find it
6 does not control the seizures, and, as you push the dose
7 up to try and get control of the seizures, people have
8 side effects and they say: look, I cannot -- at the
9 moment I am feeling so dizzy and sick I cannot put up
10 the dose any further, it is not having an adequate
11 effect to my seizures, I would rather come off. So in
12 the end it is what patients prefer and what is the
13 effect in any individual patient.

14 THE PRESIDENT: So looking at a patient who has been tried
15 on various first- and second-line drugs and they have
16 not worked, presumably there is a question of clinical
17 judgment as to what one tries next, and would it be fair
18 to say that different clinicians have different batting
19 orders as to what they try by way of their third line
20 approach?

21 A. Yes, they would, and indeed they have different batting
22 orders and second -- first-line, I think it is very
23 difficult to avoid that, and I will explain why. So for
24 first-line therapy there is actually now quite good
25 evidence, so there have been large studies comparing

1 drugs in newly diagnosed people with epilepsy and they
2 have been randomised to different drugs, phenytoin was
3 not included in this, and it was found, for example,
4 lamotrigine was better tolerated than carbamazepine, it
5 may not have worked quite as well, but it was better
6 tolerated overall, so that is the drug we should be
7 using as first line in focal epilepsy, and valproate,
8 although its problems with women, was found to be the
9 best tolerated and most effective in generalised
10 epilepsy. So we now have that sort of evidence for
11 first-line.

12 When you get beyond first-line, when you get to
13 add-on therapies, there is very little comparative data,
14 in fact, the comparative data is woeful, and this is
15 because those studies, where you actually are trying to
16 compare one against another, of things that are
17 effective, to see a difference you have to use large
18 numbers, vast numbers of people, and this is at great
19 expense and the drug companies, for example, will not be
20 interested in doing that because they could only lose if
21 they are going to be doing that, they are not going to
22 win, or would be very unlikely to win, and so these
23 comparator studies have not taken place, or when they
24 have taken place, they have been rather small and
25 underpowered studies, so when you start to say: right,

1 what is the batting order for the drugs, we have to sit
2 there and make that as a clinical judgment, and we do
3 that based upon the knowledge that we have of the drugs
4 and our experience of using them, and, as you rightly
5 say, there is no right or wrong, and people will have
6 different batting orders, and that is the way it is,
7 that is the way treatment, epilepsy treatment is.

8 PROFESSOR WATERSON: Thank you. I would like to ask
9 a couple of questions. You obviously have a great deal
10 of experience in this area, I know you to have, so one
11 very broad question would be, I do not know, but you
12 will know, I think: what is the incidence of epilepsy
13 amongst the population generally? Is it increasing in
14 significance or decreasing?

15 A. Well, there two -- there is instance, so how many new
16 cases we get per year, and there is the prevalence,
17 prevalence being about 1%, about 1 in 20 people have
18 a seizure in their lives, 1 in 30 people will develop
19 epilepsy, 50 in 100,000 people will be developing
20 epilepsy every year. So -- now, the question about
21 whether it is increasing or decreasing, that is probably
22 around about stable, it differs from -- these figures
23 differ from the countries -- high economic countries to
24 low economic performing countries, and that is because
25 of the range of causes. So infection, for example, is

1 very prevalent, head injury is a cause in some of the
2 low economic countries.

3 What is changing is not so much the prevalence or
4 instance but the population. So we are moving more
5 towards older people developing epilepsy and less at the
6 younger end, and that is because there is better
7 perinatal care over the years, and then at the older age
8 it is because we are living longer and in the older age
9 things like stroke, dementia, tumours, these are all
10 things that can cause epilepsy.

11 PROFESSOR WATERSON: Things that I can look forward to?

12 A. Yes, that is right, unfortunately things that we can all
13 look forward to, and those things are major causes of
14 epilepsy, so we are looking at a slight shift in the
15 demographics over time, but generally the instance,
16 prevalence remains the same.

17 PROFESSOR WATERSON: I think you said at some point you
18 start people on 200mg?

19 A. Yes, usually 200mg, yes.

20 PROFESSOR WATERSON: Yes, okay. Throughout your teach-in so
21 far, you have always used the word "phenytoin", you have
22 not distinguished between tablets and capsules.

23 A. No.

24 PROFESSOR WATERSON: So in your experience do you use both?

25 A. So this is a complicated factor, so if I were to

1 prescribe -- so generally I do not prescribe phenytoin,
2 so the prescriptions, repeat prescriptions are mainly
3 from GPs, and I usually initiate the phenytoin,
4 I initiate it in hospital, and the phenytoin that people
5 get will be whatever phenytoin our hospital stocks, and
6 usually we stock the capsules, and that is because they
7 come in the smaller dose of 25mg whilst the tablets do
8 not, so that is probably what they would be started on.

9 When I look to my prescribing, so we now have
10 electronic prescribing, there is no warning about
11 maintaining the continuity of supply or manufacture,
12 there is nothing there on it, which I can come to in
13 a minute, and there is no real space to say exactly what
14 you are to do, you have to put it down as a footnote,
15 you know: I would like them to stay on the, you know,
16 Accord or Flynn or something and you put it in. Most
17 people I expect do not put it in.

18 Interestingly enough, again, you know, this whole
19 case has brought this to my attention because I went and
20 asked younger colleagues whether they even knew about
21 the MHRA guidelines because it is not there on our
22 prescribing, they do not and they just describe
23 phenytoin, they do not say anything at all, and people
24 would be started on whatever the pharmacy has at
25 a hospital.

1 PROFESSOR WATERSON: Do you have a suggestion as to why
2 roughly of the 100mg drug which is available both as
3 tablets and as capsules, around four times as many
4 people have capsules than tablets?

5 A. No, I mean, I do not prescribe -- so what -- I will
6 start the prescription and then the prescription will be
7 maintained in the community by the GP, and so I do
8 not -- I have some insights into what happens, but I do
9 not -- it is mainly anecdotal, I cannot tell you what
10 the majority of GPs or pharmacists are doing, that is
11 not my expertise. I see people, patients of mine, who
12 are on a mixture of tablets and capsules, so I may have
13 asked the GP to start on phenytoin and they start them
14 on the tablets and then we have to increase the dose by
15 25mg, there is only the capsules, so they will be on
16 a mixture of tablets and capsules, so I see that not
17 infrequently, but, you know, the insights I have is
18 that -- well, I do not know if you want to talk about
19 continuity of supply, I am happy to talk about --

20 THE PRESIDENT: I think we will let counsel ask you the
21 question and then follow up.

22 MR JOHNSTON: Thank you. I was just going to ask you if you
23 could assist the Tribunal by briefly explaining the
24 origins of the MHRA guidance on continuity of supply as
25 a sort of first question, and then we will move on and

1 ask some more as we go.

2 A. Yes. So the idea of continuity of supply with epilepsy
3 drugs was not a new thing, so we had all known about
4 this as something that we would like to happen, and in
5 2004, the NICE guidelines actually said that people
6 should be maintained on their brand of anti-seizure
7 medication unless they discuss with their doctor to
8 change the brand. That was not happening at all. So
9 people were being prescribed whatever, and in fact
10 earlier on the only difference that -- the only
11 distinguishing thing you could do was to do brand or
12 generic. It only later became possible to actually then
13 say the manufacturer for the generics, so brand and
14 generic.

15 So from my point of view, what happened in the
16 2000s, and this is -- I speak -- I was chair of
17 something called the Joint Epilepsy Council at that time
18 which was a body of all the epilepsy charities,
19 patient-representative charities in the UK of which
20 there are about 26, and there was quite a lot of concern
21 because lamotrigine had come off patent, and so there
22 was then a generic lamotrigine, and lamotrigine was
23 being used to a greater extent, and people were -- a lot
24 of patients get very attached to their drug, you know,
25 they like the same colour drug, the same drug in the

1 same packaging, and if you are seizure-free and you are
2 terrified of having seizures the worst thing is that
3 that could then change.

4 So they were getting very concerned about this,
5 there had been some surveys of patients who had said
6 that they were very unhappy, and then levetiracetam came
7 off patent in, I think, about 2011, I think if I am
8 correct, I cannot -- but it is around about then, it was
9 before the MHRA guidance. Levetiracetam, again, people
10 started to get unhappy about the fact that this was
11 being prescribed as generic when they wanted to be on
12 Keppra, and so there was a great push from us towards
13 the MHRA to try to make this guidance, you know, to have
14 greater guidance, and this was really from lamotrigine
15 and levetiracetam.

16 So the MHRA then produced its guidance for this
17 which was guidance, and they stated that there are these
18 groups, group 1 is where phenytoin is. Ironically,
19 levetiracetam, which was causing quite a lot of concern
20 at the time was group 3 which said you could change
21 willy-nilly. Group 2 was where lamotrigine stood where
22 you were supposed to discuss this with your doctor and
23 get an agreement to change the prescription. So it came
24 in specifically for that reason. In fact, we had
25 a meeting with the MHRA shortly after or shortly just

1 after the guidance came out, because of the unhappiness
2 about the patient groups that drugs were going to be
3 swapped.

4 Since that time, it has not been particularly
5 noticeable to me that these rules have been obeyed, so
6 again, I cannot speak for all pharmacists and all GPs,
7 and I cannot speak around the country, I can only speak
8 from my experience of my own patients, but, for example,
9 lamotrigine would be a good example. People have been
10 quite happily converted from one brand of lamotrigine to
11 another. Often the brand that they were on depends on
12 where -- which one their local pharmacy has, and the GPs
13 are certainly not prescribing, to my knowledge, by
14 manufacturer.

15 With phenytoin, again, I have had patients who have
16 changed from one manufacturer to another. Many of the
17 patients I have on phenytoin would not even be able to
18 tell you what manufacturer the phenytoin is. It is not
19 something that they are particularly concerned or
20 bothered with.

21 The MHRA guidance as well was important because
22 there are concerns with those group 1 drugs that if you
23 convert somebody from one to another that there could be
24 either side effects or breakthrough seizures. Again,
25 ironically, the MHRA -- so the MHRA, and in fact, at the

1 time the European -- the EMA, and the FDA as well, have
2 very strict rules to try to make sure that you have the
3 same amount of drug in every generic, in generic versus
4 branded, and they have certain criteria that they use,
5 and for drugs with narrow therapeutic index such as
6 phenytoin, for example, those criteria are much
7 stricter, so they are even stricter, and in fact there
8 is not a lot of evidence that if you give a single dose
9 of phenytoin that, whether it is a generic or branded or
10 a different generic, that there is much difference in
11 terms of the levels that you get in an individual
12 person, and that is necessary for the generic to be
13 licensed.

14 The thing with phenytoin that is different is that,
15 because of this, slight differences in dose can make big
16 differences, because people may be on it chronically,
17 then there may be some indication that there may be some
18 problems swapping from one to another. It has not been
19 a big problem that I have encountered, and if people --
20 people who are on phenytoin, their blood levels tend to
21 vary quite markedly anyway for a variety of reasons, one
22 of which is for example that about 20 or 30% of drugs
23 are not taken, people forget their drugs regularly.
24 Also things like antacids can affect the levels, and the
25 levels go up and down, and the effects of changing from

1 one brand to another I do not think are quite as severe
2 or quite as desperate as people make out, but it
3 certainly has been my experience that people have been
4 changed since that guidance has come in.

5 MR JOHNSTON: Sir, I do not have any further questions in
6 relation to continuity of supply, and you may do as the
7 Tribunal.

8 THE PRESIDENT: Thank you.

9 So let us start with the hospital treatment where
10 you are mainly involved where you have someone who is
11 suffering from epilepsy, is not responding to first- and
12 second-line treatments, and you are trying to stabilise
13 them on phenytoin. So they are a first user as it were.

14 As I understand your evidence, you really do not
15 mind whether it is tablets or capsules or who has
16 manufactured them. You want the sodium phenytoin in
17 whatever form, and you will stabilise the patients
18 accordingly?

19 A. Yes.

20 THE PRESIDENT: You have a preference over capsules, not
21 because they are capsules but because of the different
22 dosages which gives you more flexibility as the
23 physician in charge to manage dosage?

24 A. Yes, sir.

25 THE PRESIDENT: But that is the only magic in it?

1 A. That is the only magic in it, yes.

2 THE PRESIDENT: So -- and I am talking here about the very
3 best practice. I do not want us to insert compromise.
4 Let us just talk what would be the very best practice.
5 You are, in the first prescriber situation, the new
6 patient, indifferent as to manufacturer of capsule,
7 assuming there is a range of manufacturers. You have
8 a preference for capsule over tablet but only because it
9 makes your life easier in getting the dosage right.

10 A. Yes, sir.

11 THE PRESIDENT: So let us postulate therefore that we have
12 a patient who is stable on let us say capsules, and so
13 you have a repeat prescription which hopefully is
14 working going on.

15 We then get two elements. We get what is clinically
16 appropriate for the patient going forward and what is,
17 as it were, reflecting the psychological concerns of the
18 patient because of course, if they are seizure-free,
19 they will want to remain so and they will not want to
20 have a worry that a regime change might cause that happy
21 situation to alter. So one has these two factors in
22 mind. Would that be fair?

23 A. That is absolutely correct, yes.

24 THE PRESIDENT: So let us start with the clinical question.
25 If you were a -- well, it would be -- would it be the

1 general practitioner? Who would effect a change of
2 supply for clinical reasons?

3 A. Right, so the -- again, I cannot speak for the GP
4 prescribers or pharmacies. So GPs will prescribe
5 phenytoin. Things have changed somewhat more recently
6 because they do electronic prescribing, so when they do
7 electronic prescribing, phenytoin will come up, they
8 will be offered capsules or tablets, they will choose
9 one or the other. I think they can even -- there may
10 even be a space where they can put the manufacturer if
11 they wish to.

12 So again I was interested to know what happened, so
13 I cannot again speak for all GPs but I spoke to a GP
14 friend of mine and just said, you know, so when you
15 prescribe phenytoin what is it that happens, and what
16 happens is that they get a warning triangle which is be
17 careful about prescription in women of child-bearing
18 age, that they are not pregnant or warn them about
19 pregnancy, and then they get a sort of advisory note to
20 say that the MHRA recommends that you maintain the same
21 manufacturer, but it is an advisory note, it is not --
22 it is certainly not as strong as I want the MHRA advice
23 to be followed, which is, back then, I wanted the MHRA
24 advice to be strong that people were maintained on the
25 same drug for both the clinical and psychological

1 reasons.

2 In terms of what the GPs do, I do not know what they
3 do, but I expect that many of them will see this as an
4 advisory note. They will do whatever they want. They
5 do not know about the MHRA advice.

6 THE PRESIDENT: Now, the electronic system you just
7 described, that presumably was not around at the time of
8 the relevant period?

9 A. No, so for the majority -- so then they would have to
10 put it on the prescription, and I cannot remember
11 exactly when you could actually put manufacturers down
12 as something that was necessary, but it was available at
13 that time in 2012. I would expect that there would be
14 nothing there that -- there was, sorry, notification in
15 the BNF, if they'd looked it up in the BNF. If they
16 hadn't and just thought, right, I am just going to
17 prescribe phenytoin, they may not even have any
18 knowledge of the MHRA guidance, and certainly the year
19 after the guidance -- or colleagues of mine, consultants
20 now, that I have spoken to, are not aware of the
21 guidance, even though, as you say, the guidance is
22 I think fairly clear.

23 THE PRESIDENT: Moving away from the position of the GP, if
24 I may say, up a level of expertise to someone who is in
25 your position who is very expert in the treatment

1 regimens for epilepsy including phenytoin, let us assume
2 you have a patient that is stabilised on a regime, let
3 us say capsules manufactured by Pfizer. Presumably
4 inertia is a good thing. If it works, you do not really
5 want to change unless there is a reason?

6 A. Absolutely, sir.

7 THE PRESIDENT: Could I try to quantify what might be
8 a reason for changing? In other words, how concerned
9 would you be if there was an immediate need for sodium
10 phenytoin but you did not have any capsules to hand
11 conveniently and therefore you had to shift to tablets?
12 How great a problem would that be in terms of the
13 patient's continued treatment and welfare looking purely
14 at the clinical side of things and ignoring the
15 psychological aspect?

16 A. So the problem is probably not as great as I think
17 necessarily people make out. So it would cause me --
18 when anybody gets changed, certainly from phenytoin,
19 that would cause me some concern that the levels could
20 change. The evidence would be that it is not going to
21 be an initial thing because the single dose evidence
22 indicates that they are going to be equivalent. So it
23 is more what would happen after a week or two weeks or
24 longer, and so what I would do is get a blood level to
25 make sure that what we have is similar to the levels

1 that have been measured previously, and we would adjust
2 the dose if that were necessary. So that is what we
3 would do.

4 One of the big things that happens -- this happens
5 all the time, and patients contact me, not just about
6 phenytoin, but about all the anti-seizure medications --
7 is that there will be supply shortages of one particular
8 type or brand, that all the pharmacies in an area will
9 not stock something, that it was impossible to get hold
10 of this. I got contacted the other day about
11 carbamazepine actually, about a brand of carbamazepine
12 that they could not get hold of, which again is in that
13 class 1 category.

14 So what patients receive depends upon what their GPs
15 do, whether the pharmacies have access to that, and
16 whether they are able to -- if they needed to get
17 a specific manufacturer, whether they would pull that in
18 from elsewhere, and I think people's medications changed
19 quite a lot, much more than I as a clinician would like
20 to happen.

21 THE PRESIDENT: I was asking you about a shift between
22 capsules and tablets, but moving to a shift between
23 capsules manufactured by manufacturer A and capsules
24 manufactured by manufacturer B, how concerned would you
25 be about a shift there?

1 A. I would not be so concerned, and I would -- but I would
2 want levels to be monitored, so we can monitor the
3 levels, and if people have side effects then we would
4 suggest that the dose is reduced, or if they -- the idea
5 would be that hopefully they are not going to have
6 breakthrough seizures, and again it differs between
7 those people who are seizure-free, where the risks of
8 having a seizure are enormous, to those people who are
9 having regular seizures where we are using phenytoin to
10 try to control their epilepsy better, where if the
11 seizures became a bit more frequent we can adjust the
12 doses. So the risks in those two groups would be
13 different, and the risks of having a seizure are great.

14 So having seizures, even if they are infrequent
15 seizures, has an impact on your risk of mortality, on
16 other morbidities, on injury, on employment. You cannot
17 drive. I mean, it is just -- it is a really big effect
18 having seizures, so we would -- if someone is
19 seizure-free, you would try very hard to make sure that
20 they did not have seizures.

21 THE PRESIDENT: Thank you.

22 Any questions, Mr Johnston?

23 MR JOHNSTON: None at all, sir. I am very, very grateful.

24 I am conscious that the transcriber has been here from
25 10.00 until 5.00.

1 THE PRESIDENT: Well, indeed. We will draw the hot-tub
2 session to a close, Professor. Thank you very much for
3 your time. I am afraid you will be back tomorrow for
4 cross-examination.

5 MR JOHNSTON: Yes.

6 THE PRESIDENT: I am afraid we will be taking up more of
7 your time, but you can feel free -- do not feel obliged
8 to, but you can feel free to speak to your legal team if
9 you wish. You are, in other words, released from the
10 purdah that I would normally impose on a witness, but
11 I look forward to seeing you again tomorrow.

12 THE WITNESS: Thank you, sir.

13 THE PRESIDENT: We are resuming at 10.00 tomorrow, not
14 because of timing issues, but because there is some form
15 of building evacuation that is going on. I would get
16 here for about 9.45, Professor, if I were you, otherwise
17 you might be out in the rain. So until then, 10.00
18 tomorrow morning. Thank you.

19 (5.02 pm)

20 (The hearing adjourned until 10.00 am on
21 Tuesday, 14 November 2023)

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