

1 Wednesday, 7 December 2011

2 (11.30 am)

3 DR ROBERT PERRY (continued)

4 THE CHAIRMAN: Good morning, Dr Perry.

5 A. Good morning.

6 THE CHAIRMAN: Yes, Ms Dunlop?

7 MS DUNLOP: Thank you, sir. In today's business we are  
8 hoping to conclude our topic C3A. We do have statements  
9 from Dr Perry and it had been my intention just to  
10 tender those as coming from a witness who had not  
11 appeared in person, but Mr Di Rollo and his team didn't  
12 feel that that was sufficient. They wished the  
13 opportunity to question Dr Perry in person.

14 I don't propose to ask questions of Dr Perry myself.  
15 I should simply draw attention to his two statements,  
16 which are [\[PEN0171244\]](#) and [\[PEN0171843\]](#).

17 I would now simply pass to Mr Di Rollo.

18 THE CHAIRMAN: Mr Di Rollo?

19 Questions by MR DI ROLLO

20 MR DI ROLLO: Dr Perry, thank you very much for coming back  
21 today to answer questions in relation to the topic C3A.  
22 There is a statement from you, [\[PEN0171244\]](#), which is  
23 the main statement given in relation to topic C3A. Just  
24 to introduce this, perhaps we could have that up on the  
25 screen. We see that topic C3A is concerned with the use

1 of blood product concentrates in Scotland in the period  
2 between the introduction of NHS heat-treated products in  
3 1984 and the supply of NHS products sufficiently treated  
4 to inactivate Hepatitis C.

5 I think we are looking at this, obviously, as the  
6 topic says, in a Scottish context. The first topic that  
7 you were asked to consider in your statement is:

8 "Heat-treated NHS Factor VIII (8Y), treated at  
9 80 degrees for 72 hours, was introduced in England  
10 in September/October 1985 but it was not until May 1987  
11 that NHS heat-treated Factor VIII (Z8) treated with the  
12 same protocol became available for clinical use in  
13 Scotland."

14 You were asked what your recollection of events was  
15 at this time and in particular:

16 "What do you remember about the availability in  
17 Scotland prior to May 1987 of hepatitis-safe Factor VIII  
18 products supplied to England? From the copy  
19 correspondence attached, it looks as though you obtained  
20 BPL's 8Y product for previously untreated patients in  
21 Edinburgh in the summer of 1986. Was this product  
22 available only for patients in Edinburgh or for patients  
23 elsewhere in Scotland?"

24 You set out your response, which we see from your  
25 statement, and I don't want to have you read out your

1 statement or for me to read out your statement. But  
2 what I want to do is just go over certain matters  
3 concerning this, and the first thing really I would like  
4 to do is to remind ourselves of what the position was as  
5 far as PFC was concerned in January of 1986. So can we  
6 go to [\[SNB0015469\]](#)? I think this is a document that you  
7 have seen before and you were asked certain questions  
8 about it when you came to give evidence when we were  
9 looking at topic C3.

10 A. Yes.

11 Q. If we go to paragraph 3.1, under paragraph 3.1, the  
12 fourth paragraph down, it says:

13 "Directors will be aware that ..."

14 And this is reference to BPL:

15 "... are currently issuing a Factor VIII product  
16 which has been treated at 80 degrees/72 hours and  
17 preliminary clinical data indicates that this material  
18 is non-infective with respect to HTLV-III, NANB and  
19 Hepatitis B."

20 Then the next document I want to just remind you of  
21 is another document which is dated -- I think you  
22 accepted -- around January 1986, which is [\[SNB0015484\]](#).  
23 This is an addendum to the development of new products,  
24 1986/1987, and what's stated there is that:

25 "The heat treatment procedure now being applied to

1           FIX concentrates (PFC & BPL) and to Factor VIII (BPL)  
2           may well be effective in ensuring non-infectivity of  
3           products."

4           So that's information which I think again we have  
5           dated around -- it refers to "Smith, personal  
6           communication", and that's again around January 1986.

7   A.   Yes.

8   Q.   And then finally, the other document which I wanted to  
9           show you is a meeting at PFC between BPL and  
10          Scottish National Blood Transfusion, 17 March 1986.  
11          There is a note of a discussion. This is [\[SNB0075664\]](#).  
12          17 March 1986. The reference there is, if we could just  
13          go further down and find the relevant passage -- I think  
14          it may be over the page. Just go over the page again,  
15          please.

16          Yes, it's paragraph 5:

17          "Dr Smith outlined clinical trial results of the 8Y  
18          Factor VIII product so far. While results cannot be  
19          considered conclusive at this stage, he indicated that  
20          no cases of virus infection have occurred (attributable  
21          to 8Y material) after 12 months' experience of 8Y in  
22          virgin haemophiliacs."

23          That document is dated 24 March 1986.

24          Obviously it is important not to make claims for  
25          products which are not legitimate claims and one could

1 not say conclusively that the 8Y Factor VIII product --  
2 there was conclusive proof or scientific proof that it  
3 would be non-infective for non-A non-B Hepatitis. The  
4 evidence as at March 1986 did tend to suggest that there  
5 was obviously hope in that direction. A significant  
6 development had occurred as a result of the evidence so  
7 far. Is that reasonable?

8 A. Yes, I think that's a reasonable summary of the  
9 situation. Certainly the evidence fell far short of  
10 anything that you would consider to be conclusive, as  
11 I think you have indicated, but I think by March 1986,  
12 as evidenced by these documents that were written around  
13 that time, I was certainly personally aware, and clearly  
14 the views of BPL colleagues was that the data that was  
15 emerging from the trials of 8Y looked very encouraging.  
16 And that was important because dry heat treatment, as it  
17 was known then, had during that period sort of gained  
18 a reputation of perhaps not being as reliable or hopeful  
19 as we hoped it might be in terms of non-infectivity. So  
20 any information that suggested that there was an absence  
21 of infectivity was important.

22 Q. I think, when you gave evidence on 28 October, which is  
23 Day 58, you may have referred to a six-month period  
24 after which one would then consider the 8Y as being  
25 safe. Do you recall that evidence that you gave on that

1 occasion?

2 A. Not specifically. I think a six-month period following  
3 the first infusions of a new product, I think that would  
4 be a highly optimistic view on the safety of a product  
5 but it would be indicative, I think, as has been  
6 mentioned. I have read minutes of the CBLA meeting, for  
7 instance, where the director, Dr Lane, reports that  
8 patients have now passed the point at which they might  
9 have been expected to develop symptoms or signs of non-A  
10 non-B Hepatitis.

11 Q. Well, that --

12 A. I think he describes it as having safely moved past that  
13 point but this was for a very small group of patients  
14 with a very limited batch exposure. So, as I say,  
15 I think six months --

16 Q. Just to remind ourselves, that document is [\[DHF0030476\]](#).  
17 I think that's a letter from the BPL to all  
18 haemophilia directors in July 1985?

19 A. Yes. That's right.

20 Q. An information sheet there. We may have a look at this  
21 later today with Professor Colvin as well but if we just  
22 scan down there, the reference to "safely passing the  
23 point" is there somewhere.

24 A. That's right.

25 Q. Yes:

1           "Clinical trials at six haemophilia centres are in  
2 progress to gain evidence of reduction or elimination of  
3 viral transmission, and several patients have safely  
4 passed the point at which first evidence of NANBH virus  
5 transmission would normally occur with unheated  
6 Factor VIII."

7           Is that the passage you are referring to?

8   A. That's the passage I'm referring to, yes.

9   Q. That's dated July 1985, and so, when we get  
10 to March 1986, what Dr Smith relayed to you as well by  
11 communication, the signs are looking promising?

12   A. Oh, indeed, absolutely; I would agree with that.

13   Q. What I would like to do is to deal with the question of  
14 the possibility or otherwise of obtaining some of this  
15 material, 8Y, in Scotland, because we know that, in  
16 contrast to the Scottish product -- the Scottish  
17 product -- the protocol is different and, in contrast to  
18 the English product, where, as far as the 8Y is  
19 concerned, there are promising signs about  
20 infectivity -- or non-infectivity -- with non-A non-B  
21 Hepatitis -- in contrast, the Scottish product was known  
22 to infect at this time. That's fair, isn't it?

23   A. I think that's fair, yes.

24   Q. And what I would like to do is explore what possible  
25 procedures or steps might have been available to obtain

1 a supply of the English product for Scottish patients.

2 A. Sorry, are we talking around about March 1986 here?

3 Q. We are talking from March 1986 onwards, yes.

4 A. Okay. I think in March 1986 it wouldn't necessarily

5 have been the case that we knew that the SNBTS product

6 transmitted non-A non-B Hepatitis. I don't think we had

7 any specific instances or data on that. We certainly

8 didn't have information that it did not transmit non-A

9 non-B Hepatitis.

10 Q. Was it thought that it would probably?

11 A. I think, as has been discussed before, our preoccupation

12 during that period was HIV safety. So I can't say with

13 any clarity whether or not we thought it was. I think

14 there was a fairly low expectation that we would have

15 delivered, through heating at 68 degrees for 24 hours,

16 a non-A non-B Hepatitis-safe product.

17 Q. So if one --

18 A. From the experience of others and other organisations.

19 Q. Others in other organisations in other countries?

20 A. Yes.

21 Q. So similar protocols were known --

22 A. Yes, similar time/temperature profiles. I think we were

23 fairly confident by that stage that it was HIV-safe,

24 which was our priority, but we didn't have a high hope

25 or expectation -- it may have reduced the infectivity



1 but we had no way of measuring that.

2 Q. It certainly wouldn't have come as any surprise if that  
3 was administered to a patient and they were infected; it  
4 wouldn't come as a shock?

5 A. No, the only evidence that you would have available for  
6 that, though, is if a previously untransfused patient  
7 emerged for treatment and that patient then subsequently  
8 moved on to develop clinical signs of non-A non-B  
9 Hepatitis.

10 So there were no simple laboratory methods for  
11 testing the vast majority of patients that were treated  
12 with the product to determine whether or not it was safe  
13 with respect to non-A non-B Hepatitis. The only way of  
14 determining that was to take clinical details and  
15 laboratory measurements of previously untransfused  
16 patients.

17 Q. So when was it in 1986 that it became apparent that the  
18 Scottish product would definitely infect, if you like?

19 A. I think -- and again this is partly from memory but also  
20 partly from reading back over the files. I think it's  
21 probably around the time that we became aware of  
22 a specific case of transmission of non-A non-B Hepatitis  
23 to a patient in Edinburgh treated with the NY 68-degree,  
24 24-hour product.

25 Q. Right.

1 A. I'm not sure whether there are any other specific  
2 patients that we became aware of. I can't recall any  
3 but there may have been.

4 Q. In order to become aware, you would need a specific  
5 virgin patient in order to give you that information.

6 A. You would, yes.

7 Q. That would tell you for sure.

8 A. Yes, it would, I think, although I'm not a clinician.  
9 But my understanding is if a patient had been previously  
10 untransfused and had no other risk factors, then  
11 developed abnormal ALTs at the appropriate frequency of  
12 monitoring, then you could reasonably conclude that that  
13 patient had got the infection from the product.

14 Q. And that would be a significant development then?

15 A. I think so, yes. But I think, as you suggest, not  
16 wholly surprising.

17 Q. Yes. Well, I would like to take you through some  
18 correspondence then and see whether we can learn  
19 anything from that. Would you have a look, please, at  
20 a letter to you dated 27 June 1986. That's  
21 [\[SNB0075871\]](#). Do you remember getting this letter?

22 A. No, I don't remember receiving it but clearly I received  
23 it and I am obviously familiar with it now.

24 Q. Right.

25 A. Yes.

1 Q. So a letter from your deputy, is that right?

2 A. No, it's from the deputy director of the Southeast of  
3 Scotland Blood Transfusion Service. That would be  
4 Dr McClelland's deputy director.

5 Q. And that's Dr Boulton?

6 A. Yes.

7 Q. He writes to you saying that:

8 "May I pass on to you a couple of verbal comments  
9 about blood products from Christopher Ludlam."

10 So Christopher Ludlam has passed some information to  
11 him and there is reference to:

12 "The 'virgin' patient with Christmas Disease who  
13 received heat-treated DEFIX towards the end of last  
14 year, and on whom Christopher reported at Scotblood,  
15 continues to show no elevation of ALT levels or other  
16 evidence of non-A non-B Hepatitis."

17 Then I think we can put that to one side for the  
18 purposes of the discussion.

19 A. Yes.

20 Q. Then:

21 "A young haemophiliac who previously had minimal  
22 therapy with Factor VIII received an infusion of the  
23 current heat-treated product a month ago. He now shows  
24 signs of liver enzyme rises indicating non-A non-B  
25 Hepatitis. Christopher is a bit ruthfull with his own

1 staff about this because he feels that this patient  
2 should have received 8Y or an equivalent product.  
3 However, the patient is apparently quite well  
4 clinically."

5 A. Yes.

6 Q. Can you explain then what the situation is in relation  
7 to the supply of 8Y and why perhaps Christopher would be  
8 "ruthful" with his own staff about the fact that that  
9 wasn't available?

10 A. I'm sure you have spoken -- I know you have spoken to  
11 Professor Ludlam about this. I think certainly  
12 by June 1986 Professor Ludlam would have been aware, as  
13 indeed anyone -- or people in the field in the UK were  
14 aware of BPL's very significant 8Y development, and he  
15 would have had access to the preliminary data that we  
16 had access to from BPL. He regularly attended the UK  
17 haemophilia centre directors' meetings, at which these  
18 sort of data would have been discussed.

19 So I think Professor Ludlam would have been aware  
20 that there was a product that was looking promising in  
21 terms of delivering the Holy Grail, which is a product  
22 which is non-infective, not just with respect to HIV but  
23 also non-A non-B Hepatitis. So I think, without putting  
24 words or thoughts into Professor Ludlam's mind, he would  
25 have -- I think the reason for him writing the letter is

1           that, following that particular incident, he would have  
2           been aware that there was a product available -- well,  
3           it was available in England and Wales.

4           It was a product made by BPL specifically for the  
5           English and Welsh population, and I think he is simply  
6           expressing the view that, had we access to that product,  
7           then that would have been a more appropriate choice of  
8           product for that particular patient, with hindsight.

9    Q.   Were any steps taken up to this point to obtain access  
10       to this product?

11   A.   No.

12   Q.   So it was this event that seems to have triggered the  
13       steps that were taken to obtain access to this product?

14   A.   That's my understanding, although the initial steps  
15       taken to access the product were taken by  
16       Professor Ludlam.  So my assumption is and my  
17       understanding is that it was this specific incident that  
18       led to the subsequent correspondence which led PFC to  
19       engage in a process to get access to --

20   Q.   What's the basis of your understanding?

21   A.   I think this letter and the subsequent correspondence  
22       from Dr Boulton, where I think this is followed up by  
23       discussions between Professor Ludlam, Dr McClelland and  
24       Dr Boulton, where he specifically says, "Can we get  
25       access to 8Y?  Do you think that's a possibility?"

1 Q. Right.

2 A. So my understanding is, although I have no evidence for  
3 this and, as I say, it was -- Dr Ludlam was, in a sense,  
4 at the epicentre of this particular issue, it certainly  
5 arose from his initiative, there was no specific action  
6 being taken by SNBTS to secure supplies from another  
7 manufacturer to treat patients in Scotland and that was  
8 for very good reason.

9 Q. Right. Perhaps we can come to that.

10 A. Sure.

11 Q. Can we just follow the correspondence through?

12 A. Yes.

13 Q. And I will come back to that. It will arise in the  
14 course of our discussion.

15 The next letter is a letter dated 2 July 1986 from  
16 you to Boulton, which is [\[SNB0075909\]](#). You replied on  
17 2 July 1986 saying:

18 "Dear Frank, thanks for passing on Chris Ludlam's  
19 comments regarding Factor VIII.

20 "As you probably know, we are poised to introduce  
21 yet another Factor VIII product, which will be  
22 heat-treated to 80 degrees/72 hours and should therefore  
23 be comparable to 8Y and better than anything available  
24 commercially.

25 "I have no doubt that as soon as this becomes

1 available, virgin patients will be able to gain access  
2 to this product before stocks of the existing product  
3 are exhausted. However, this has not been formally  
4 agreed yet and we should not yet declare this as  
5 a policy."

6 That's obviously suggesting that Scottish product is  
7 going to be available relatively soon. You do not give  
8 a timescale.

9 A. That's right.

10 Q. And you are also dealing with the question of getting  
11 that product in preference to other existing products,  
12 so that an extra margin of safety is being given  
13 there --

14 A. That's right.

15 Q. -- to virgin or minimally treated patients?

16 A. That's right, that had been the expectation. Although,  
17 as I very cautiously put it at the end of the letter,  
18 I don't think deciding who the PFC product should be  
19 prescribed to and which particular patients is any  
20 business of the SNBTS or the PFC. So I'm simply  
21 saying --

22 Q. Whose job is that then?

23 A. That's the treating doctors.

24 Q. Right.

25 A. So I'm simply saying that, if that policy were to emerge

1 as a proposal, then, before we implemented it, we would  
2 not implement such a policy without consultation with  
3 the prescribing doctors.

4 Q. Very good. If we go then to a letter dated 4 July 1986  
5 from Boulton to Perry. That's [\[SNB0075910\]](#). This is  
6 from Boulton to you. This refers to a telephone  
7 conversation which you obviously had with Dr Boulton.

8 A. Yes.

9 Q. Do you remember that telephone conversation?

10 A. No, I don't.

11 Q. Does that mean nothing at all?

12 A. I don't remember the telephone -- I don't remember the  
13 detail. Clearly the telephone conversation took place  
14 and I have a very sort of generalised memory of this  
15 whole incident but I don't specifically remember what  
16 I was doing and what I was thinking whilst I was having  
17 this conversation with Dr Boulton.

18 Q. Perhaps the --

19 A. I think --

20 Q. There is an attachment to this letter.

21 A. Indeed.

22 Q. I think if we just have a look at that, [\[SNB0075911\]](#).  
23 Could we just have a look at this? Is this what's  
24 referred to as being an accurate record of the telephone  
25 conversation?



1 A. Yes, it is.

2 Q. And whose writing is that?

3 A. I think that's Dr Boulton's writing.

4 Q. Right. And can you just tell us then what is going on  
5 in this document?

6 A. I think it's describing the transition from, I think,  
7 what Dr Boulton is describing as the "phase 2 product",  
8 which is the NY product treated at 68 degrees for  
9 24 hours, and he is simply graphically describing his  
10 understanding of effectively how the batch dedication  
11 system would work.

12 So the phase 2 product being used up, the Z8  
13 product, which is the phase 3 product, being produced.  
14 I don't think there is any timescale on this. I think  
15 he is just trying to illustrate the way in which the new  
16 product would emerge into use and then subsequently its  
17 introduction.

18 Q. Then we see --

19 A. But also importantly, and I think relevant to your  
20 interest today, is this notion that any previously  
21 un- -- or minimally treated patients could access this  
22 product prior to the point at which the NY 68-degree,  
23 24-hour product was exhausted.

24 Q. So at the foot of the document it says:  
25 "In the meantime, any Edinburgh 'virgin'

1 haemophiliacs who require therapy could be given ..."

2 Is that BPL 8Y?

3 A. Yes, it's 8Y. So I think he is suggesting that.

4 Q. Right. So whose suggestion is that then?

5 A. I think that arose out of our telephone conversation.

6 Q. Right. What was envisaged then?

7 A. I'm not sure what was envisaged but it was certainly

8 a sketching out of an arrangement that could be explored

9 to access 8Y for previously untreated and minimally

10 treated patients in Scotland -- to a product which,

11 there was some evidence to suggest, could be safer than

12 the existing product.

13 Q. We now know, of course, that there is a "virgin", in

14 inverted commas, haemophiliac in Edinburgh and we have

15 a consultant who has indicated a "ruthfulness", if you

16 like, that that has happened and there is not an

17 availability of 8Y.

18 A. Yes.

19 Q. It has been pointed out to the manufacturer of Scottish

20 product and the question has been asked of whether there

21 is a possibility of English product being made

22 available, and this seems to be a response in relation

23 to that.

24 A. Yes.

25 THE CHAIRMAN: I'm not sure I know what that means. Whose

1 response and to what? I think you had better make it  
2 quite clear because this is a crucial bit, Mr Di Rollo,  
3 whether the product was available. And I did mention  
4 yesterday that there are contemporary documents  
5 reflecting the English position, to which we will no  
6 doubt come. But, you know, the question is not clear to  
7 me.

8 MR DI ROLLO: Well, perhaps the witness has an understanding  
9 of the position in terms of its availability to  
10 Scottish -- I mean, this all arises as a result of  
11 a request being made by a consultant in Edinburgh and  
12 you and Dr Boulton are discussing the matter in  
13 correspondence and on the telephone. So what do you  
14 anticipate is going to happen and how is it going to  
15 happen?

16 A. Well, picking up a point about availability of 8Y in  
17 Scotland, it was fairly clear to me at that point that  
18 both the supply of products in Scotland, and  
19 Northern Ireland at that time as well, and England and  
20 Wales, were administratively quite separate. They were  
21 quite distinct and there wasn't, as it were, a free flow  
22 of -- there wasn't a UK policy for the supply of  
23 plasma-derived products for UK patients.

24 So in terms of availability, it certainly wasn't  
25 a licensed product. It hadn't completed its clinical

1 trials. It hadn't completed its clinical evaluation.  
2 So availability in the sense that you could simply go  
3 out and either purchase or get supplies of this was  
4 certainly not an expectation.

5 We knew it was in very short supply. It was  
6 a relatively new product. It had only just gone into  
7 routine manufacture at BPL and I think it was widely  
8 understood and known that in England and Wales, in  
9 contrast to Scotland, they were very short of supply of  
10 coagulation factors from the NHS. And I think about  
11 30 per cent of the supply was being met at that time  
12 from BPL.

13 So the general view at the time was that England was  
14 chronically short of products -- not just BPL's 8Y  
15 product but any products were in fairly scarce and short  
16 supply. So the idea that Scotland could simply dip in  
17 to the BPL supply of products to England and Wales and  
18 expect there to be a positive response, I don't think  
19 that was part of the expectation at the time.

20 Q. So why does it say:

21 "In the meantime, any Edinburgh virgin haemophiliac  
22 who requires therapy could be given BPL 8Y."

23 A. I think that's simply scoping out a possible line of  
24 investigation between Dr Boulton and myself. We  
25 discussed the issue and having discussed it, there was

1 a small but significant perhaps requirement for such  
2 a policy and we considered that that was at least  
3 a feasible proposition to explore.

4 Q. You see, it's quite a useful possibility from the  
5 English point of view because if they are doing clinical  
6 trials on their 8Y and they are looking for virgin  
7 haemophiliacs -- there might not be many in Scotland,  
8 there might be a very small number coming to light in  
9 the period in question.

10 A. Yes.

11 Q. But it would be useful for them to have clinical data as  
12 a result of that.

13 A. That's in the event what actually happened as a result  
14 of these discussions, which again were initiated by  
15 Professor Ludlam. But I don't think it was against any  
16 background that Scotland was simply ignoring a freely  
17 available supply of product.

18 Q. No, no, I appreciate you have to make a specific request  
19 under specific conditions. The question is whether it's  
20 practical and it can be achieved, whether or not there  
21 is a possibility of being able to obtain material that  
22 would provide some sort of protection.

23 A. Yes, well, indeed, as I think is evidenced by  
24 Dr Boulton's sort of sketching out of the arrangement.  
25 I think as a result of the telephone conversation, which

1 was triggered by Professor Ludlam's interest in  
2 accessing this material, we considered it was a feasible  
3 proposition and that it was very well worth exploring,  
4 which is exactly what we did.

5 Q. In relation to this timetable, it does look as though  
6 the Scottish product is going to become available, be  
7 produced -- am I right in thinking? -- from  
8 about September 1986?

9 A. No -- yes, I think that was the original expectation  
10 in June/July time.

11 Q. So when this correspondence is going on between you and  
12 Dr Boulton -- it's September it's anticipated -- we know  
13 that's not what happened?

14 A. Scottish product was going to be available for clinical  
15 evaluation with the half-life recovery studies and so on  
16 and the various evaluation exercises that it would have  
17 to go through.

18 Q. As he says in his document?

19 A. That's right. So we were looking at covering a fairly  
20 short period here by the time this proposition emerged.

21 Q. Right. Then the next document I want to put to you is  
22 [\[SNB0075913\]](#). A letter from you to Dr Boulton:

23 "Thanks for your note of 4 July, which is about  
24 right in terms of the various phases of Factor VIII  
25 production and supply from PFC."

1           The first paragraph (a) you make a sort of  
2           indication that you rather think that your product is  
3           going to be even better than 8Y, and then you say that:

4           "While there will be no PFC product virucidally  
5           comparable to 8Y until September 1986, after that time  
6           it would be my intention to supply a phrase 3 product to  
7           virgins, since we hope to demonstrate by that time that  
8           it is virucidally equivalent, thus removing the need to  
9           go south. However, in the immediate future  
10          (July-September 86), we could probably get supplies for  
11          8Y for special cases. It would of course be preferable  
12          if these could be obtained and supplied through PFC".

13           Could you just explain that statement then?

14   THE CHAIRMAN: And its basis. That's absolutely fundamental  
15          to understand.

16   A. Which one?

17   THE CHAIRMAN: :

18           "In the immediate future ... we could probability  
19          get ..."

20           I think it's that one.

21   MR DI ROLLO: Let's break it down. You are saying here that  
22          there is no PFC product which is virucidally comparable  
23          to 8Y until September. So there is a recognition there  
24          that the Scottish product is inferior to 8Y in this  
25          respect. Is that reasonable?

1 A. Yes, I think we would certainly agree, and we would have  
2 done at that stage, that 8Y was looking increasingly to  
3 be a product that was likely to be free from the  
4 transmission of non-A non-B Hepatitis, and we were also  
5 reasonably sure that our own product at that time did  
6 carry a risk of non-A non-B Hepatitis.

7 Q. Right. As a specific example of that, as we have  
8 discussed already, in May 1986. Just going on, you then  
9 say:

10 "After September 86, it would be our intention to  
11 supply the phase 3 product to virgins."

12 So therefore, the phase 3 product which I think  
13 becomes Z8?

14 A. That's correct.

15 Q. That product, it would be your intention to supply that  
16 to the virgins. That's the previously untreated or  
17 minimally treated, if we can broaden it slightly, to  
18 them.

19 A. Yes.

20 Q. And you then refer to removing the need to go south.  
21 And the need to go south is this obvious gap in the  
22 level of safety as between the two with regard to non-A  
23 non-B Hepatitis?

24 A. Yes -- well, I think the letter, which is, as you see,  
25 dated July 1986, is really just following up the



1 previous discussions, the telephone discussions that we  
2 had and beginning to scope out an outline plan for  
3 putting this particular system in place --

4 Q. Very well.

5 A. -- to cover this small period. Yes.

6 Q. And we then go on to the next page:

7 "However, in the immediate future, we could probably  
8 get ..."

9 That's July to September and as we have seen, that's  
10 when it's anticipated that Scottish product would come  
11 on stream, for virgins at least:

12 "... we could probably get supplies of 8Y for  
13 special cases."

14 And I take it that special cases are previously  
15 untreated --

16 A. Correct.

17 Q. Is that right?

18 A. Yes.

19 Q. I think we would like to find out what is the basis of  
20 you getting those supplies and why is it preferable to  
21 obtain these through PFC.

22 THE CHAIRMAN: Let's leave the procedural bit out until we  
23 have answered the first one.

24 MR DI ROLLO: Very well.

25 THE CHAIRMAN: So take them in stages.

1 A. The basis of the proposition that we could ...?

2 THE CHAIRMAN: Yes.

3 A. I think -- as I say, I'm not sure that I have got much  
4 to add but the basis of the proposition I think is as  
5 you have described it. There was at that stage evidence  
6 that 8Y was looking promising as a non-infective  
7 product, if I can call it that. And I'm suggesting  
8 there that perhaps with a degree of optimism and  
9 confidence -- although by this stage we hadn't actually  
10 made the approach, but we thought it was likely, given  
11 the small requirement, that if we had approached BPL,  
12 then it was possible or indeed -- and I'm saying there  
13 "probably" -- that they would respond positively to that  
14 particular request.

15 THE CHAIRMAN: This is very important to me, Dr Perry.  
16 I really do have to understand whether you had any  
17 information from England that suggested that you could  
18 get supplies or whether this is merely speculative.

19 A. This is speculative at this stage. We hadn't actually  
20 made the formal approach or indeed the informal  
21 approach.

22 THE CHAIRMAN: Why I am anxious about this is that you have  
23 already looked briefly -- and I think perhaps  
24 Mr Di Rollo will be bringing you back to it -- at  
25 the July 1985 document, [\[DHF0030476\]](#), and I'm

1 particularly concerned about the covering note that went  
2 with that, which is [\[DHF0030478\]](#), which I think it would  
3 be appropriate to see at the moment. Yes:

4 "The attached letter was sent out today to all  
5 haemophilia centre directors, as per the list you sent  
6 with your draft.

7 "Scotland was excluded but Northern Ireland was  
8 included in those notified, together with Wales."

9 A. Yes.

10 THE CHAIRMAN: If I understand correctly, that was the  
11 covering note with the circular, it makes sense of  
12 paragraphs in the circular that deal with the allocation  
13 of the product. Did you know about this at the time?

14 A. I don't think I saw this at the time, this particular  
15 circular, although I can't say -- I think these  
16 documents -- although it was excluded from Scotland, I'm  
17 sure haemophilia centre directors in Scotland would have  
18 had access to it through their network of contacts and  
19 so on. They would have been aware of this. But what  
20 the covering letter is signifying is that, as far as BPL  
21 was concerned, the constituency for who they were  
22 responsible to supply was primarily England and Wales.

23 MR DI ROLLO: That's obviously their constituency.

24 A. That's who the product -- and that reflected the  
25 administrative arrangements in the UK for the collection

1 of plasma, the collection of blood and the supply of  
2 products.

3 THE CHAIRMAN: Mr Di Rollo will explore it for you but this  
4 is the context in which I have to make findings on fact  
5 and I am concerned about this material.

6 MR DI ROLLO: If we go back to the previous letter, your  
7 letter to Boulton dated 7 July, it does rather look from  
8 that letter -- I mean, you have said to us "speculative"  
9 but you do use the word "probable", and it does sound as  
10 though you have a certain degree of confidence about  
11 getting hold of this material, if you ask for it.

12 A. Yes, I was casting my mind forward and rehearsing, when  
13 I was writing the letter -- and I don't think -- these  
14 sort of letters between myself and Dr Boulton weren't  
15 carefully crafted. They were between --

16 Q. But I mean, we know from events that you did make  
17 a request?

18 A. Well, absolutely.

19 Q. And it was complied with?

20 A. I would certainly agree that at that time, and as  
21 evidenced by the letter, I was, I wouldn't say  
22 confident, but I thought it was well worth a try. If  
23 I had thought it was a complete non-starter, then  
24 I think the correspondence would have looked different.

25 Q. Right. Very well.

1 A. So I certainly don't want to give the impression that  
2 I was denying that this was a feasible proposition;  
3 otherwise, we wouldn't have embarked upon it in the  
4 first place.

5 Q. Thank you. Before leaving this letter, I did want to  
6 just confirm the point about supplying through the PFC.  
7 What's the situation in relation to that? Why does it  
8 have to go through PFC?

9 A. Well, it didn't have to. I think I'm expressing it as  
10 being preferable because we were the central locus for  
11 supply just in terms of practical issues, and through  
12 our regional transfusion centres that would have been  
13 a system that would have created at least some sort of  
14 central control over the availability of what would have  
15 been -- and at the time we were speculating that it  
16 would be successful. But if it was successful, I think  
17 we were just speculating that it would be important that  
18 we could demonstrate some sort of a central management  
19 of a very, very scarce material.

20 Q. Right. There is a letter dated 7 July 1986,  
21 [\[SNB0075914\]](#). I think if we look at the bottom of the  
22 letter, we will see that it's from Dr Boulton again.

23 A. Yes, it's 7 July.

24 Q. "Last week, Dr Ludlam wrote to Brian asking if it would  
25 be possible to obtain some of the BPL products for use

1 if a previously untreated haemophilic presented for  
2 replacement therapy.

3 "He said it would be difficult to estimate his  
4 potential use accurately, but I understand that he has  
5 no haemophilics on his books at the moment who have not  
6 been treated. He has actually asked for 100,000 units,  
7 which I make 500 vials of 200 units in each. He says  
8 that this should be sufficient to cover surgery in such  
9 patients. But it strikes me that this is a considerable  
10 quantity, representing about half of a batch which would  
11 be produced from PFC.

12 "Before I write back to Christopher, would it be  
13 possible for you to obtain perhaps 10,000 -- ie 50  
14 vials, which would at least enable us to cover the  
15 initial injection for such a case and if the need were  
16 to arise to call up more from Oxford over the course of  
17 24 hours or so. I think that whereas a request for  
18 100,000 units on site is unreasonable, a request for  
19 10,000 units could be justified. However, even if this  
20 is difficult to get, how about 4,000 -- ie 2 boxes with  
21 10 vials in each?"

22 A. Yes.

23 Q. Is this a follow-on from what you have already been  
24 discussing?

25 A. I think we are following the chronology of this

1 generally. I think this is a proposition now turning  
2 into a plan.

3 Q. Right. And you have not yet at this date actually made  
4 a request, I think. Is that right?

5 A. No, but interestingly -- and Dr Boulton, who was the  
6 SNBTS consultant clinician with a specific interest and  
7 responsibility for coagulation factors, was basically  
8 reflecting his knowledge and understanding of the dire  
9 supply situation in England and Wales, which is why he  
10 is suggesting that -- I think what he is basically  
11 saying, between the lines, is 100,000 units would be met  
12 with a sharp intake of breath and possibly a "no", so  
13 I think he is trying to titrate the plan down to  
14 something which had a reasonable chance of succeeding.

15 Q. Right. And then you write to England on 15 July 1985,  
16 if we could have that up, [\[SNB0075202\]](#):

17 "We are now involved in the clinical evaluation of  
18 our respective heat-treated Factor VIII products. For  
19 our present product (68 degrees/24 hours), we are  
20 primarily concerned with half-life and recovery, since  
21 it is unlikely we will achieve freedom from NANB.  
22 However, since we anticipate future trials of a product  
23 subjected to some more substantial conditions of viral  
24 inactivation, I believe it would be helpful if we  
25 exchanged our respective trial protocols with a view to

1 achieving commonality wherever possible."

2 Does this have anything to do with what's going on,  
3 what we have already been discussing?

4 A. No, I don't think it does. I think this is a separate,  
5 offline, discussion about basically clinical trial  
6 protocols for our respective products.

7 Q. Right. If we move on then to a letter dated  
8 24 July 1986, [\[SNB0075980\]](#). This is to you:

9 "Factor 8Y to PFC":

10 "Following your letter on your requirements for  
11 virgin haemophiliacs in Scotland and Northern Ireland, I  
12 tried to contact you by telephone last Thursday in order  
13 to begin supply as soon as possible. As you were down  
14 in London, it was obviously difficult.

15 "However, with Dr Lane's agreement I had spoken to  
16 Jim Smith and he hoped to see you last Friday with  
17 a novel proposal: perhaps Scotland would like to  
18 participate in our trial of Factor 8Y.

19 "Provided that you were agreeable and that the  
20 patients met the criteria and given agreement by the  
21 haemophilia directors involved, Jim can provide 8Y from  
22 batches set side for trial purposes. I assume that  
23 everything went well, as I have not had any adverse  
24 comment from Jim.

25 "In case there are some patients who do not strictly



1 meet the criteria for trial now or in the future, I have  
2 put aside some 8Y for immediate dispatch to PFC (or any  
3 other destination), if you require it. I can arrange  
4 same day delivery if necessary. Would you like this  
5 additional product to be [sent] to PFC now, or have you  
6 made adequate arrangements for cover with Jim?

7 "Please do not hesitate to phone me in order to save  
8 time, and we can take it from there."

9 Can we just go over the page:

10 "There is one point, however, that you need to  
11 consider. Current batches of 8Y on issue are not made  
12 from certified anti-HIV screened donations. The first  
13 individually screened product will not be released for  
14 issue until August. Subsequent batches will all be made  
15 from screened plasma. In the light of press statements  
16 from Armour Pharmaceutical and rumours from the  
17 Haemophilia Service, this may have implications for both  
18 laboratories. In addition, two Parliamentary questions  
19 have been submitted on this problem relating to both  
20 Elstree and PFC."

21 If we go back to the first page of that letter, it  
22 does look as though the request that has been made is  
23 going to be granted and the response from England --  
24 this is obviously a letter from you?

25 A. Yes.

1 Q. I don't know if we have the letter from you. I don't  
2 think that we do. But in any event, it does appear that  
3 you have made a request, a specific request, for 8Y and  
4 that request has been granted and there has been  
5 suggestion that Scottish patients participate in trials  
6 but, of course, that doesn't appear to be an essential  
7 aspect of the supply of the product.

8 A. No, I don't think Mr Pettet is making that a mandatory  
9 condition. Basically, there is a letter from myself  
10 which sets out our proposition that we would like to  
11 access small supplies of 8Y for these particular  
12 circumstances.

13 Q. We will just see if we can find that.

14 A. I'm sorry, I don't have it with me but I have certainly  
15 seen it.

16 Q. We will come back to that in due course.

17 A. And I recall that I had a telephone conversation with  
18 Mr Pettet and perhaps Dr Smith, Jim Smith as well.

19 THE CHAIRMAN: Can you just excuse me a minute? We will  
20 have a search made here, Mr Di Rollo, and see if we can  
21 pick it up.

22 MR DI ROLLO: I think it's a letter obviously around the  
23 time of the letter of 1985.

24 THE CHAIRMAN: It must be between those two dates in July,  
25 yes.

1 MR DI ROLLO: I have made some mistake in relation to that.

2 I think if we go to [\[SNB0060336\]](#).

3 A. Yes, this is -- what is the date of this letter? That's  
4 10 July. That's correct. So this really -- this letter  
5 closely followed the telephone conversation and the  
6 other correspondence that we have looked at with  
7 Dr Boulton, which I think there is also annotated a note  
8 from myself that I have written to BPL requesting  
9 supplies of 50 vials.

10 Q. I think it's quite important actually to be clear about  
11 this because the letter does refer to providing this  
12 product in Scotland and just looking at the letter, you  
13 say:

14 "Very occasionally a haemophiliac without previous  
15 exposure to Factor VIII concentrate presents in Scotland  
16 for treatment. One such virgin patient presented very  
17 recently and was treated with our current product and  
18 subsequently developed markers for non-A non-B  
19 Hepatitis, although he remains clinically well. It is  
20 our intention, as you probably know, to introduce  
21 a product heated at 80°/72hr within the next two months  
22 and which will be comparable in terms of non-infectivity  
23 with your 8Y product. Pending the introduction of this  
24 product in Scotland and Northern Ireland, I write to ask  
25 if it would be possible for you to supply PFC with

1 a very modest quantity of 8Y (50 vials) to cover the  
2 treatment of similar virgin patients, who may appear  
3 between now and September. This request originated from  
4 our own haemophilia directors and in the light of our  
5 imminent introduction of a product comparable to 8Y,  
6 does not seem unreasonable and should not place an  
7 overwhelming burden on your supply."

8 You are obviously conscious of asking for a bit of  
9 a favour but you are minimising the request as much as  
10 possible, I suppose, and you don't want to place an  
11 overwhelming burden on their supply?

12 A. I'm trying to scope it in a way which gives it the  
13 maximum chance of success, I think.

14 Q. It does refer to haemophilia directors, plural.

15 A. Yes, I think although the original request was  
16 specifically and directly from Professor Ludlam, I was  
17 just trying to give it a Scotland-wide context.

18 Q. Right.

19 A. I didn't see there being any advantage in really  
20 focusing in on one particular geographical area.

21 Q. So I mean, in terms of this aspect of matters, I mean,  
22 the reference to Edinburgh haemophiliacs in the note of  
23 the telephone conversation that we saw, we now see that  
24 in your request you are anticipating that it doesn't  
25 just apply to patients in Edinburgh but it applies

1 throughout the country, in other words that you were  
2 dealing with the potential at least for a haemophiliac  
3 without previous experience presenting for treatment  
4 throughout the country.

5 A. Yes.

6 Q. And the point here is it's until an equivalent Scottish  
7 product is available?

8 A. Yes.

9 Q. This is to cover this situation?

10 A. Yes, it's an interim arrangement which was envisaged at  
11 that time to be of two or three months' duration.

12 Q. Right. There doesn't seem to be any indication in this  
13 letter of you having in mind the idea that it should be  
14 restricted to clinical trials or anything of that kind?

15 A. Certainly not in this letter, no. I'm just trying to  
16 take the first step, which is demonstrating in principle  
17 whether this was a feasible proposition.

18 But I should perhaps add a little context to this,  
19 and you may come on to it later but I'll raise it now  
20 just in case it's relevant: the responsibility for  
21 providing products to the NHS in Scotland was certainly  
22 one that was borne by the SNBTS and indeed the PFC. But  
23 there was a very clearly established arrangement and  
24 understanding between SNBTS as the manufacturer and  
25 supplier and the prescribing doctors, that for those

1 products that were not available from the SNBTS, the  
2 SNBTS had no role or remit to go out and source and  
3 supply products which it was, for whatever reason,  
4 unable to supply.

5 These were specialist products for inhibitor  
6 patients and so on and that was very carefully  
7 established. If there was a product that a haemophilia  
8 director needed or required for whatever reason for his  
9 or her patient, that would be a prescribing decision  
10 taken by the haemophilia doctor.

11 So it wasn't part of our role -- and I apologise if  
12 this sounds defensive, it's not intended to be. It was  
13 not part of our role to cover every eventuality for  
14 patient treatment in Scotland and then put in a plan to  
15 cover that. If there was a perceived requirement to, if  
16 you like, cherry-pick another product from another  
17 source, it was not the responsibility or the role of the  
18 SNBTS to do that. That was very much a responsibility  
19 of haemophilia directors and that was a very clear  
20 understanding.

21 Q. If a haemophilia director has pointed out that there is  
22 a gap or there is a need and he points that out to  
23 SNBTS --

24 A. Yes.

25 Q. -- SNBTS apparently here have taken on board --

1 A. We have received a very specific request to assist, on  
2 this particular occasion, and that's what this  
3 correspondence refers to, a very specific request for  
4 a very particular circumstance. And on this particular  
5 occasion, this haemophilia director had asked for the  
6 SNBTS to use its good offices to maximise the  
7 opportunity, the possibility, of success. But there  
8 were very many other circumstances where haemophilia  
9 doctors would have wanted a product to treat inhibitor  
10 patients which wasn't available from the SNBTS, a  
11 product called FEIBA, Factor VIII inhibitor bypassing  
12 activity. And that would not have been sourced through  
13 SNBTS and we would have not been involved in that.

14 There were other patients that periodically reacted  
15 adversely to our product, and in that circumstance  
16 haemophilia doctors would have explored other products  
17 from other manufacturers, including commercial  
18 manufacturers, and chosen the product of their choice.

19 Q. Right. The situation is that a request was made and  
20 SNBTS became involved and the request was able to be  
21 met?

22 A. Yes, we became involved enthusiastically and positively  
23 but it was not something that I would have expected to  
24 be part of our scope of activity to identify this  
25 particular issue and for the initial request to come

1 from SNBTS.

2 Q. Let's follow through and see how matters develop. This  
3 is your request, and I have already been to the letter  
4 dated 24 July which was, I think, the response to this  
5 letter. If we then go to a letter dated 24 July 1986  
6 from you to Dr Boulton, which is [\[SNB0075982\]](#):

7 "Dear Frank,

8 "Supplies of 8Y:

9 "I have now confirmed that BPL are happy to supply  
10 50 vials of 8Y to PFC, on the understanding that in the  
11 event that the material is used in suitable virgin  
12 patients, appropriate serial samples would be taken to  
13 contribute to their overall infectivity study.

14 "I think this is reasonable since the product is  
15 still in clinical trial. I will pass on the product to  
16 you as soon as possible and I would be grateful if you  
17 could inform Dr Ludlam of this arrangement."

18 So that's your response. Obviously you haven't sent  
19 him a copy of the actual letter that you received from  
20 Pettet?

21 A. I might have done but I haven't actually indicated that  
22 that's the case here.

23 Q. I appreciate that this is a very brief note, the first  
24 paragraph, but it's not quite so restrictive as --  
25 Pettet's complying with your request is not ...?



1 A. It's a very high level executive summary of what  
2 I understood to be the basis on which the arrangement  
3 was to take place.

4 Q. All right.

5 A. But we knew -- I knew Mr Pettet very well and we had  
6 a good understanding, and I think interestingly and very  
7 positively, he wasn't trying to place excessively  
8 burdensome conditions on the supply of this particular  
9 product.

10 Q. In terms of Dr Ludlam's use of the product thereafter,  
11 if he had a virgin haemophiliac, he couldn't in any  
12 sense be described as misusing the product at this  
13 point. If he had got the 8Y from you and used it on  
14 a patient, he has got permission, it has all been done  
15 through the proper channels, in order to use this  
16 product.

17 A. To use the product in a previously untreated patient?

18 Q. Yes.

19 A. Yes. Absolutely. That would be perfectly appropriate  
20 and it would be done under the umbrella of the clinical  
21 trial and there would be an expectation if possible --  
22 and often I think it's not possible. I think the  
23 clinical follow-up for these particular studies is  
24 intrusive, it's invasive, it places a great burden on  
25 the patient. So it could be the case that a doctor

1 enters a patient into a clinical trial for very good  
2 reason but then for various reasons, the patient cannot  
3 comply or does not wish to comply with the really quite  
4 extensive frequent follow-up samples that need to be  
5 taken.

6 Q. Also he might have a situation where he can't comply  
7 with the requirements to fulfil a clinical trial because  
8 it's an emergency and he can't go through the procedure.

9 A. Absolutely.

10 Q. You give the person the product and he wouldn't be doing  
11 anything inappropriate in that situation because it has  
12 all been cleared with --

13 A. Nor was there any suggestion in the follow-up to the  
14 enactment of this particular arrangement that if  
15 Professor Ludlam or anybody else had used the product  
16 for another reason, that the whole arrangement would  
17 collapse.

18 As I say, I don't think BPL or Mr Pettet or indeed  
19 Jim Smith or anybody else was trying to place really  
20 excessive control on the use of the product. So once  
21 the product is in the hands of the doctor, the doctor is  
22 basically free, I think, to use the product wherever he  
23 or she thinks it's appropriate to use, and I would have  
24 thought that was quite reasonable.

25 THE CHAIRMAN: Mr Di Rollo, Professor James would like to

1           ask a question.

2   PROFESSOR JAMES: Do you mind if I ask one question? You  
3           have referred to a Scotland-wide context in respect of  
4           this.

5   A. Yes.

6   PROFESSOR JAMES: You alluded then to "Professor Ludlam or  
7           anybody else". I just wonder whether to what extent the  
8           four other haemophilia centres in Scotland were informed  
9           about this, what initiatives they took. So far we have  
10          very much concentrated on Edinburgh but I'm just  
11          interested in whether there was any more sort of  
12          systemic involvement in this in any way.

13   A. To the best of my knowledge, I didn't specifically  
14          inform other haemophilia directors that we had access to  
15          supply of 8Y. As I say, I think the -- my understanding  
16          of the arrangement at the time was if asked to provide  
17          assistance in accessing an alternative product for  
18          a haemophilia director, then we would have made our best  
19          efforts and our good offices to secure that. But  
20          I don't think I would have considered it my  
21          responsibility at that point in time to say the SNBTS  
22          has now formally accessed product for the whole of  
23          Scotland and I don't think we received any other  
24          specific requests from other haemophilia directors.

25   PROFESSOR JAMES: You refer to a Scotland-wide context.

1 I just wondered if, you know, you had let the other  
2 haemophilia centres know that it was conceivable that  
3 you would be able to access this for virgin patients or  
4 anything like this.

5 A. No, but I think in terms of laying out the ground and  
6 the arrangement with our colleagues in BPL, who we were  
7 basically asking to do us a favour, if one uses  
8 a colloquial expression, then I wanted to prepare for  
9 a situation in which another haemophilia director in  
10 Scotland could have made a similar request to  
11 Professor Ludlam.

12 I guess -- and this is with hindsight and I haven't  
13 got any evidence to support this but I think my thought  
14 process at the time would have been that  
15 Professor Ludlam is working closely with other  
16 haemophilia directors in Scotland, would have informed  
17 them either formally or informally through the  
18 communication channels that they had, that this  
19 arrangement had been put in place in Edinburgh.

20 PROFESSOR JAMES: Thank you very much.

21 Thank you very much, sir.

22 MR DI ROLLO: Thank you.

23 So I think there is another letter we should put up.  
24 I refer you to it because it is dated 28 July 1986 and  
25 it's [\[SNB0075986\]](#). This is again you to Mr Pettet at

1 BPL and you refer to the letter of 24 July:

2 "I have indeed spoken to Jim and have confirmed  
3 locally that the supply of 8Y should be conditional on  
4 users participating in the clinical trial of your  
5 product, at least until a PFC lookalike product is  
6 available (two months time approximately). I have now  
7 written to Jim confirming these points and I have asked  
8 if he can now send (immediately) 50 vials to PFC as  
9 a contingency stock of non-infective material in the  
10 unlikely event that a virgin haemophiliac presents for  
11 treatment in the near future."

12 Can you just explain what the clinical trial aspect  
13 of that is?

14 A. I think this was a suggestion of both Jim Smith and  
15 Norman Pettet, and probably also contributing to that  
16 was Dr Lane -- that if the product were to be used in  
17 a previously or minimally treated patient in Scotland,  
18 then we would do our utmost best to collect follow-up  
19 samples or the haemophilia doctor would take the sample,  
20 have the test done and report those results according to  
21 the protocol which we had provided with the product.

22 Q. So the purpose --

23 A. So the clinical trial is the long-term follow-up of  
24 patients as part of the BPL study to demonstrate whether  
25 or not the product was indeed safe with regard to non-A

1 non-B.

2 Q. Obviously the English are doing you a favour by  
3 providing this material but there is benefit to them by  
4 having this data in relation to virgin haemophiliacs,  
5 and they want to just ensure that that's information  
6 they are going to get?

7 A. I think that's absolutely right. So there was a quid  
8 pro quo here. Where the balance of advantage rests, I'm  
9 not quite sure but I think the whole arrangement did  
10 sort of illustrate the difficulty of the supply  
11 situation in England and Wales, and again at this time  
12 I think the emphasis was still on HIV safety of plasma  
13 products and all product that was produced by BPL and  
14 supplied outside of England and Wales would have  
15 required England and Wales to compensate that by  
16 purchase of commercial product.

17 So even though we are talking about small numbers  
18 here, there was a very important principle that was  
19 being established, and at that time I think Scotland was  
20 perceived as being in a very strong position with regard  
21 to HIV safety. So there was always an argument in the  
22 background which is, why would we want to export (sic)  
23 NHS product from England, which was perceived and  
24 believed to be much safer than commercial product, at  
25 a time when they had a shortage? So I think there had

1 to be some sort of -- reward is the wrong term but --

2 Q. Something in it for them?

3 A. There has to be something in it for them otherwise they  
4 would be seen to be acting not in the interests of their  
5 particular constituency, and that goes back to the issue  
6 of availability.

7 Q. If we move on to the next letter, which is [\[SNB0075990\]](#),  
8 this is from Jim Smith, I think:

9 "Dear Bob, as requested in your letter of 24 July  
10 and agreed verbally by Dr Lane, I'm sending you attached  
11 50 vials of 8Y 3312 in case you wish to protect  
12 category 1 patients before your Z8 is ready."

13 What did you understand by category 1 patients?

14 A. Previously untreated and minimally treated -- patients  
15 that were eligible for clinical trial basically.

16 Q. "Please issue one of the attached copies of the trial  
17 protocol to the responsible physician in each event and  
18 let me know whom I should nag for data."

19 That refers back to what we have just been  
20 discussing.

21 A. Sure.

22 Q. And it does seem to be anticipated that there is a short  
23 period of time obviously during which this requirement  
24 is going to arise because the Scottish product will be  
25 ready quite soon and the other thing is that he refers

1 to a responsible physician, which presumably means that  
2 it's not just necessarily Dr Ludlam who is potentially  
3 at least going to be involved in this. Is that right?

4 A. I think it's just reflecting the Scotland-wide context  
5 that I established when I initially approached BPL. So  
6 yes. Well, it's reflecting also that there is more than  
7 one doctor, even in a particular centre, that might be  
8 responsible for patient treatment.

9 THE CHAIRMAN: Of course, one possible view of the  
10 correspondence to date is that Mr Pettet may have been  
11 relatively generous but when the issue passed over to  
12 Jim Smith, it tightened up to be one related to the  
13 conduct of clinical trial.

14 A. Yes, I think Jim Smith typically, and having a  
15 particularly close interest in this but also as  
16 a genuinely close friend and collaborator with PFC, was  
17 taking the opportunity to just put some -- not  
18 constraints but to put some boundaries around this  
19 arrangement and to maximise the possibility and the  
20 probability of him getting the data that he wanted.

21 THE CHAIRMAN: But also, of course --

22 A. I think from the point of view of his relationship with  
23 Dr Lane, the director, he would have to be seen to be  
24 doing that.

25 THE CHAIRMAN: Of course.



1 A. But it was a perfectly reasonable request to make.

2 THE CHAIRMAN: Are you aware of the terms of the circular of  
3 5 July that indicated that the product was for  
4 distribution essentially to England and Wales with an  
5 exception related to clinical trial?

6 A. I don't think I was, no, no. I don't think I was.

7 THE CHAIRMAN: You see, it may be necessary to take all  
8 these documents together. If indeed your discussions  
9 with Jim Smith made it clear that this was for clinical  
10 trial, I ought to know that. If it didn't, I ought to  
11 know that. So I really have to press you a little to  
12 tell me, if you can, how matters developed behind the  
13 scenes, as it were, as a background to this  
14 correspondence.

15 A. My understanding is that in terms of the clinical trial  
16 in England and Wales -- although by this time the  
17 product was also in routine use; it wasn't just in  
18 clinical trial. But as far as the clinical trial was  
19 concerned, I don't think there were any efforts, direct  
20 efforts, made by BPL to recruit patients in Scotland.

21 I think that would have been seen as an  
22 inappropriate cross-border operation which wasn't part  
23 of the understanding between the two organisations.

24 THE CHAIRMAN: I think I can understand that. But it's not  
25 quite the question. The question is whether the supply

1 of the 50 vials, by the time it came to be made, was on  
2 condition that it was applied for clinical trial  
3 purposes.

4 A. Yes, I think that was the arrangement. It was very  
5 clearly established that this was Jim Smith's  
6 proposition, which was that the product -- BPL's  
7 response to our request was that, we can supply the  
8 product but we would like to do it, for obvious reasons,  
9 under the auspices of the clinical trial, and that was  
10 to maximise their opportunity to get data. But I think  
11 it fell short of a requirement that was going to be  
12 rigorously policed by Jim Smith, Norman Pettet or  
13 anybody else.

14 THE CHAIRMAN: It always becomes very woolly and I think my  
15 interest -- I suspect this is also Mr Di Rollo's -- is  
16 whether there was, as from this time, an arrangement  
17 that made 8Y available to Scotland on request, for  
18 specified purposes perhaps, but for purposes that would  
19 be persuasive of the need to supply the product in  
20 Scotland. If so, a follow-on question would be why it  
21 wasn't used. Why advantage wasn't taken of it, as it  
22 doesn't seem to have been. So I want to press you on  
23 what you remember the arrangement was, if I can.

24 A. The arrangement is really, as I have described it, that  
25 we demonstrated in principle that our colleagues in BPL

1           were prepared and able to supply small quantities of  
2           product for specific clinical situations, and the  
3           specific clinical situation was a previously untreated  
4           patient, and their positive response to our request  
5           demonstrated the principle that that was viable.  
6           I think if that had been then extended to an arrangement  
7           where BPL were being asked to supply product for all  
8           sorts of other reasons, an 8Y product, then I think they  
9           would have resisted that, for the reasons that I have  
10          described.

11                 So my clear understanding at the time was that this  
12          small supply of product was for very specific  
13          requirements. Having said that, it was no part of  
14          SNBTS's or PFC's responsibility to monitor the  
15          prescribing activities of doctors, who ultimately were  
16          going to use this product.

17   MR DI ROLLO: The point, I think --

18   A. I'm not sure whether that answers the question.

19                 Probably not.

20   Q. One of the things that Professor James asked you about  
21          and, obviously, the chairman has also raised is that  
22          clearly nothing was done by you to make it known beyond  
23          Dr Boulton, I think, and the southeast that this product  
24          was available for virgin haemophiliacs in Scotland. It  
25          is a fact that you didn't do anything further?

1 A. It is a fact that there is no evidence that I did  
2 anything further, that's absolutely right.

3 Q. I think you are telling me in evidence that it's not  
4 your responsibility to do that because that's not what  
5 SNBTS's responsibility is. Is that what you were  
6 saying?

7 A. I'm certainly not trying to say we had no involvement in  
8 this; clearly we had an involvement in this in response  
9 to a specific request. I'm trying to describe the  
10 arrangement which existed between ourselves and our  
11 prescribing doctors in Scotland that, in circumstances  
12 where prescribing doctors required product that wasn't  
13 available from SNBTS, ie it wasn't part of the portfolio  
14 of products that we manufactured, it was not the  
15 responsibility of SNBTS to go and source those products.  
16 Indeed, I think the haemophilia directors took the view  
17 that that would be wholly inappropriate for  
18 a manufacturer. It's a bit like asking Armour  
19 Pharmaceuticals to source a product from Baxter that  
20 they don't themselves prepare.

21 Q. There is an obvious problem here, Dr Perry -- and it  
22 does matter very much -- the question as to what could  
23 have been done in order to alert physicians throughout  
24 the country that there was this potential of a safer  
25 option. We have seen in the correspondence that

1           plainly, in ordering the material from England and  
2           getting a supply from England, it was anticipated that  
3           there was a Scottish-wide problem.

4           Scottish hospitals would be supplied with Scottish  
5           Factor VIII and if, into a Scottish hospital, whether it  
6           be in Edinburgh or Lerwick or Stornoway or anywhere  
7           else, a virgin haemophiliac presents, if they had  
8           a supply of this material or access to a supply of this  
9           material, then that would have provided, as we know,  
10          an added measure of safety for that patient.

11        A.   Indeed.

12        Q.   Now, the question is whose responsibility is it to take  
13          it to the next stage.

14        A.   There were basically two options, and, of course, with  
15          hindsight, the best outcome would have been that either  
16          myself or Dr Ludlam, as chairman of the Scottish  
17          haemophilia centres directors study group -- either of  
18          us could have more widely notified the other four  
19          haemophilia centre directors that this product was  
20          available and, to the best of my knowledge, that didn't  
21          occur.

22        Q.   Can you give us any explanation or indication as to why  
23          that may not have occurred?

24        A.   I have attempted to give you the explanation why  
25          I didn't take that particular position, because I didn't

1 think it was a responsibility. Again, against this  
2 backdrop of being quite clear to make sure that, as  
3 a manufacturer, we were not exceeding our brief,  
4 I thought it was not the responsibility of SNBTS or  
5 indeed the PFC director, the manufacturer, to make wider  
6 notification of this. This was a specific facilitating  
7 arrangement that we carried out on behalf of  
8 Professor Ludlam.

9 Q. Would that be a conscious decision, "It is not my  
10 responsibility," or would it just be something that just  
11 didn't occur to you?

12 A. No, I think it was part of the background context in  
13 which I operated and it was just reflecting that general  
14 principle of operation, that --

15 Q. So --

16 A. There were previous discussions, certainly in the very  
17 early 1980s, about the idea of SNBTS becoming the  
18 supplier of all products, even those commercial products  
19 that we didn't make, and, to the best of my knowledge  
20 and recollection, that was quite roundly rejected.  
21 Whilst treating doctors in Scotland were very happy to  
22 receive products from SNBTS directly and through our  
23 supply chain and so on, they certainly were very  
24 resistant to the idea that we, the SNBTS, should also be  
25 responsible for procuring other products which we were

1 not manufacturing or supplying.

2 Q. The problem is that you have, in your role, detailed  
3 information about the relative merits of certain  
4 products, which certain physicians at least, perhaps not  
5 Professor Ludlam but other less well informed people,  
6 wouldn't have.

7 A. Yes.

8 Q. We have seen the correspondence, we have seen the  
9 minutes of the meeting and the data from England and all  
10 the rest of it.

11 A. As indeed the haemophilia directors would have as well.  
12 I think, arguably, I would have regarded at that time  
13 the haemophilia centre directors were at least as well  
14 informed, if not more so, of the various different  
15 products that were available and the various views that  
16 were being held on their relative safety.

17 Q. All that needed to be done, I think, is a circular to  
18 haemophilia directors to say, "We have got this stuff  
19 from England, it's available in certain very limited  
20 circumstances to deal with a specific problem while our  
21 product is being developed," and that might have at  
22 least have then provided that cover beyond Edinburgh.

23 A. I would agree with you, yes.

24 THE CHAIRMAN: The SNBTS and haemophilia directors met on  
25 5 March 1986, when perhaps not too much of this would be

1           known, but they weren't due to meet again for some very  
2           considerable time.

3    A.   Yes.

4    THE CHAIRMAN:   So Mr Di Rollo's suggestion of a circular  
5           telling people about developments is quite important.

6    A.   I would agree with you, and I did spend a little time  
7           establishing whether or not such a message did go out  
8           from either PFC, myself or the wider SNBTS, and I can  
9           find no evidence of that taking place.  I think, with  
10          hindsight, I would certainly agree that that would have  
11          been an appropriate thing to do but I would still  
12          suggest that a more appropriate thing to do would have  
13          been for the haemophilia centre directors themselves to  
14          have -- in the knowledge that this was available -- we  
15          had established the principle with Professor Ludlam --  
16          then there was a possibility that they too could have  
17          communicated amongst themselves.

18   THE CHAIRMAN:   Mr Di Rollo, I don't have a note of all the  
19          meetings that may have taken place over the period  
20          from March.  I know that that was the date of the joint  
21          meeting.  But it might be relevant if you do have  
22          information as to when the haemophilia centre directors  
23          were meeting.  I have got better notes of when the SNBTS  
24          directors met but that's not enough, I think, for this  
25          purpose.  So if you have dates of the meetings --



1 MR DI ROLLO: We will certainly have a look for those, sir.

2 I think I didn't just -- in your last answer you  
3 said:

4 "I would certainly agree the more appropriate thing  
5 to do would have been for haemophilia centre directors  
6 themselves to have ... "

7 And then I missed the next part. What did you say?

8 A. Communicated amongst themselves of the availability of  
9 this. But I think I'm trying not to suggest that we  
10 could not have had a role to play here, and I think with  
11 hindsight I would agree: if I had my time again, I think  
12 I could have quite simply a written to other  
13 haemophilia centre directors -- actually, it would have  
14 been to regional transfusion directors as well, who were  
15 responsible for supply of the product -- and made them  
16 available.

17 It's quite possible -- I have absolutely no evidence  
18 that this took place, but through various informal  
19 channels and communications I would have mentioned that  
20 this actually happened but I have no evidence for that.

21 Q. Thank you. I'm conscious of the time. I'm very nearly  
22 finished but I probably have five or ten minutes left.

23 THE CHAIRMAN: We will rise at that point.

24 (1.07 pm)

25 (The short adjournment)

1 (2.00 pm)

2 MR DI ROLLO: Dr Perry, just to complete the correspondence,  
3 the letter [\[SNB0076022\]](#). This is a letter that you sent  
4 to Dr Boulton, dated 4 August 1986:

5 "Just a note to conclude these discussions."

6 I assume that is the ordering of the 8Y but I think  
7 in fact discussions may be broader than that because  
8 it's dealing with discussions regarding the infection of  
9 Dr Ludlam's virgin patient. Is that right?

10 A. Yes.

11 Q. "Could you let me know the batch of Factor VIII involved  
12 in this transmission of non-A non-B Hepatitis to  
13 Dr Ludlam's virgin patient. While this outcome of  
14 treatment is not surprising, we need to know the batch  
15 number and dose to keep our surveillance  
16 cross-referencing records complete."

17 Could you just explain what's going on in this  
18 letter for us then?

19 A. I think it's simply a reminder to Dr Boulton that we  
20 did, as part of our quality system, capture any specific  
21 instances of generally called "adverse reactions", of  
22 which transmission of a virus is obviously an adverse  
23 reaction. And we hadn't received notification of this  
24 particular incident and we were just seeking the details  
25 of the batch numbers, so that we could put it into our

1 files --

2 Q. What would the procedure be for obtaining notification  
3 of an incident of this kind?

4 A. I'm not absolutely sure. I think -- there is certainly  
5 a yellow card system in place in the UK for all  
6 medicines, in which it is the responsibility of the  
7 prescribing doctor to record any adverse events. That  
8 said, I think the transmission of non-A non-B Hepatitis,  
9 although it's an adverse event, it's not one which is  
10 outside of the range of risks that are associated with  
11 the particular treatment. But in any event, I think  
12 SNBTS and certainly PFC, kept files on any instances of  
13 untoward reactions that occurred with any of its  
14 products.

15 Q. I don't quite understand what a doctor should do then in  
16 terms of notifying you. What's the protocol?

17 A. My understanding -- and I'm not absolutely sure that it  
18 applied to SNBTS.

19 Q. This is in 1986?

20 A. This is in 1986, but even in 1986 I think there was  
21 a yellow -- it was called "the yellow card system", and  
22 that was a process for reporting adverse events to the  
23 Committee on Safety of Medicines. For that to have any  
24 validity, the product would need to have had a current  
25 product licence and then the

1 Committee on Safety of Medicines would then keep  
2 a register and a record of any adverse events associated  
3 with any particular product or type of product.

4 So that system would have operated, and I'm not sure  
5 whether the transmission of non-A non-B Hepatitis to  
6 a recipient of these products would have been seen as  
7 sufficiently outside the normal expectation as to have  
8 warranted a report. But as far as the internal SNBTS  
9 system, it was simply a record of any particular adverse  
10 events so that if, for instance, a particular batch of  
11 any product caused an adverse event in a patient, and it  
12 happened twice, then we might think there is something  
13 systematically wrong with the product. So it gave us  
14 the ability to carry --

15 Q. "We need to know the batch number and dose to keep our  
16 surveillance cross-referencing records complete."

17 What are surveillance cross-referencing records?

18 A. I think that's just a simple description of the  
19 record-keeping system that we had for adverse events.

20 Q. The reason I ask you this question is I'm really  
21 interested to know whether this was the infection which  
22 told you and others that the Scottish product was liable  
23 definitely --

24 A. I think so. I think this probably does refer to the  
25 index case, as I might describe it, for this particular

1 transaction, which was getting the dose of 8Y. I think  
2 the timescale is exactly that.

3 Q. This letter tells you that the infection of Dr Ludlam's  
4 virgin patient is the case which informed SNBTS that the  
5 Scottish product was infectious for non-A non-B  
6 Hepatitis?

7 A. That's correct, yes.

8 Q. And --

9 A. But prior to that, we didn't routinely receive -- well  
10 not to the best of my knowledge -- routine reports of  
11 patients who had seroconverted, who had signs of non-A  
12 non-B Hepatitis or indeed Hepatitis B, simply because  
13 I think it was generally considered that most patients,  
14 if not all patients, that received concentrate,  
15 coagulation factor concentrate, did in fact inevitably  
16 go on to develop that particular disease, certainly  
17 prior to 1987.

18 Q. If we go back to the [\[SNB0075202\]](#) letter, which I showed  
19 you in error this morning, there is something of  
20 interest in it on this topic. Just the phrase that you  
21 use in that letter -- this is in July 1985, so this is  
22 the year before:

23 "It is unlikely we will achieve freedom from NANB".

24 Is the predicted situation with the Scottish product  
25 at that time. That's the state of mind at that time?

1 A. That's correct, yes.

2 Q. Right. I think there is one more letter that I would  
3 like to draw to your attention, I think, just to  
4 complete this. This is [\[SNB0076024\]](#). This is a letter  
5 just confirming the receipt of the material. 20 vials  
6 has gone to his centre and you enclose the BPL trial  
7 protocol. As I understood it, I think 50 vials was what  
8 was sent. Is that right?

9 A. That's correct.

10 Q. So what happened to the other 30 vials?

11 A. I think the other 30 vials would have been entered into  
12 the PFC stock system and held in PFC.

13 Q. Do you know what happened to them after that?

14 A. I don't, no. I think they eventually all found their  
15 way to Dr Ludlam but I'm not sure for what particular  
16 purpose. So we have no follow-up on the specific use of  
17 the products.

18 Q. They certainly didn't go anywhere else other than  
19 Dr Ludlam; in other words, there is no --

20 A. Not to the best of my knowledge or recollection, no.

21 Q. So there is no record of anybody asking for this  
22 material from anywhere else, other than Edinburgh?

23 A. No, there is not.

24 Q. All right.

25 THE CHAIRMAN: Would there be a stock card for this material

1 similar to what we have seen for product being entered?

2 A. I think there would have been. I think it would have  
3 been entered into the standard PFC stock control system,  
4 which would have included the batch history sheet and so  
5 on. So it certainly would be possible, I think, to see  
6 what the stock record actually said and I'm quite happy  
7 to go away and explore that.

8 THE CHAIRMAN: It must be quite unique, from what you have  
9 told us, among the stock records.

10 A. Not completely unique. There were other very rare  
11 occasions when we would access a non-SNBTS-produced  
12 product for distribution. A useful example is C1  
13 esterase inhibitor. So that would have been entered  
14 into stock in a similar sort of way.

15 THE CHAIRMAN: One might expect a subset of records dealing  
16 with these since they wouldn't be linking through to  
17 production --

18 A. That's right. I think the trace-back would have been  
19 very limited. But we would certainly have used that  
20 conventional stock keeping product distribution system  
21 which was in place for PFC products, if only to ensure  
22 that we had effective means of recalling the product if  
23 there was a defect or an adverse event reported with it.

24 MR DI ROLLO: [\[DHF0030478\]](#) was drawn to your attention this  
25 morning. I wonder if we could just have a look at that.

1           There is a question I want to ask you.

2           The letter was sent to all haemophilia directors in  
3           England and Wales dated July 1985.  Scotland was  
4           excluded but Northern Ireland was included and the  
5           chairman drew this to your attention this morning.  What  
6           I wanted to ask you was whether you knew or could give  
7           us an indication as to why Scotland would have been  
8           excluded?

9    A.  I think Scotland was excluded because it wasn't seen by  
10       BPL to be a constituency for which it was responsible  
11       for supply of product.

12   Q.  What about Northern Ireland?

13   A.  I think Northern Ireland -- we were certainly supplying  
14       Northern Ireland but Northern Ireland did not supply  
15       enough plasma to meet all their needs for Factor VIII,  
16       so the supply of Factor VIII from SNBTS was in  
17       proportion to the amount of plasma that they sent, and  
18       they supplemented that by purchasing or obtaining  
19       supplies of product from elsewhere.

20   Q.  If Scotland had wanted to get involved at this stage,  
21       would there have been anything to stop it?  If it had  
22       said, "We were quite interested in this," would that  
23       have been possible?

24   A.  In the clinical trial?

25   Q.  Yes.



1 A. I think yes, that could have been done because the  
2 clinical trial and the arrangements for the clinical  
3 trial were discussed primarily with the UK  
4 haemophilia centre directors and Scottish  
5 haemophilia centre directors -- it was a UK committee.  
6 So there was certainly opportunity for those sort of  
7 discussions to take place.

8 Q. Right.

9 THE CHAIRMAN: We will leave aside clinical trial and think  
10 of issue for routine clinical use. What would the  
11 position have been?

12 A. Oh, I think that would have been for routine use.  
13 I think the arrangements were reasonably well segregated  
14 in terms of administrative arrangements. The position,  
15 I think, at that time in England and Wales was that  
16 product was supplied back to the regions, the regional  
17 health authorities, in proportion to the amount of  
18 plasma that they sent.

19 So there were very good, if you like, financial and  
20 self-sufficiency reasons why it would have been not  
21 considered appropriate for England simply to respond  
22 positively to a request from Scotland, for the reasons  
23 that I have described. Scotland was perceived and  
24 believed to be in a much better state of affairs in  
25 terms of HIV safety and access to NHS products from

1 voluntary donors and so on, and for every vial of  
2 product which came from England to Scotland, that  
3 deprived a patient in England of an NHS product. So  
4 I think that would have been seen as --

5 MR DI ROLLO: Were there ever any discussions of exchanging  
6 products? You know, "We will give you some of ours, if  
7 you give some of yours". Was that ever discussed?

8 A. I don't want to create the impression that there was  
9 a complete, impermeable barrier to mutual assistance  
10 between the two services, and there were red cells and  
11 platelets and so on that were supplied across the border  
12 but it was by exception, certainly not by routine.

13 Q. If a particular need or requirement was identified, as  
14 it was ultimately in May/June/July of 1986, then it does  
15 look as though arrangements could be made. There was  
16 a good relationship between the two bodies?

17 A. Absolutely. There was no statute or directive that  
18 would have prevented that. I agree with you, yes.

19 Q. You mentioned in your evidence the position about  
20 dissemination of information, that it might be possible  
21 to use the 8Y and you have given evidence about your own  
22 position. I think you also mentioned the position as  
23 far as haemophilia directors in Scotland were concerned.  
24 Who would be the best person to ask as to why that  
25 information wasn't further disseminated, if it wasn't,

1 down the chain?

2 A. Well, I think, the best person to ask from -- I have  
3 suggested that there are two routes by which it could  
4 have been disseminated, either via the  
5 haemophilia directors communication system or via the  
6 SNBTS communication system, and you have already asked  
7 the person from the SNBTS who was in the best position  
8 to communicate that, and that's myself. From the  
9 haemophilia centre directors, I think that would be  
10 Professor Ludlam.

11 Q. Right. I said I would come back to this so I really just  
12 want to give you the opportunity to say something about  
13 it if you want to. You said there may be good reason  
14 why manufacturers would not get hold of products from  
15 others, I think you said at the beginning of your  
16 evidence today. Do you remember that passage? Maybe  
17 you have forgotten it by now. It's just if you want to  
18 add something, or do you feel we have discussed it  
19 sufficiently?

20 A. I think this is the position and understanding that was  
21 established between ourselves as the manufacturers,  
22 that's SNBTS, and the users, the prescribing doctors.  
23 And as I say, I think there was a fairly well understood  
24 arrangement in place whereby, if the SNBTS wasn't able  
25 to supply a product from its own portfolio, then the

1 responsibility for seeking an alternative to the product  
2 that wasn't available from SNBTS should be the  
3 responsibility of the haemophilia directors. I don't  
4 think that's a particularly surprising position. If you  
5 regard the SNBTS as a manufacturer and supplier, as  
6 I say, the analogy is you wouldn't expect another  
7 commercial company who weren't making a particular  
8 product to go out and source on your behalf -- that is  
9 a haemophilia director's behalf -- a product from  
10 another commercial supplier.

11 Q. Right.

12 A. And it's simply preserving a distinction between the  
13 manufacturer and his or her responsibility and the  
14 prescribing doctor, and I think those boundaries are  
15 very well established and certainly increasingly  
16 reinforced by the regulators. But even at that stage it  
17 would have been -- I think without very substantial  
18 discussion and agreement and boundaries established --  
19 for the SNBTS to act as the supplier of all products for  
20 Scotland, and that was debate and that was discussed and  
21 it was agreed that SNBTS was responsible for its own  
22 products but not other people's products.

23 Q. Right.

24 A. So the notion, for instance, of a haemophilia director  
25 or any other doctor wanting a product that we didn't

1 have, that would have been the responsibility of the  
2 haemophilia centre director to source that product, and  
3 there is an argument, I'm suggesting, that that is the  
4 case with the supply of 8Y from England.

5 Q. Would you just give me a moment?

6 THE CHAIRMAN: I can see that in a situation in which SNBTS  
7 is in competition supplying two products of the same  
8 class, but something like FEIBA may raise a different  
9 issue, since SNBTS were never in a position to produce  
10 that class of product.

11 A. Yes, yes, I agree that distinction but there is also  
12 another argument, which makes this distinction slightly  
13 more blurred, that both BPL and SNBTS were part of the  
14 UK National Health Service. So we were naturally  
15 collaborating organisations that weren't acting in  
16 competition. So I agree that distinction.

17 MR DI ROLLO: You were collaborating and cooperating and you  
18 yourself had a very good relationship, you had  
19 connections there.

20 A. Yes.

21 Q. And you got on well with the people there and if you  
22 spoke to them on the phone or corresponded with them,  
23 you would get a good hearing, obviously, from any  
24 requests that were made; and as we saw in relation to  
25 this, when a request was made, it was complied with?

1 A. Yes, we certainly had a good relationship and I think  
2 the evidence here is that we responded very quickly to  
3 the request from Professor Ludlam and we had a very  
4 successful outcome, so that would not have been  
5 untypical.

6 Q. It was obviously somebody must have thought that a good  
7 way of getting this material was to go through you  
8 because you would have your connections and knowledge  
9 and --

10 A. Yes, I think -- I'm not sure how valid that is and I did  
11 read those kind words by Professor Ludlam and I'm not  
12 sure whether it's completely true. I think in some  
13 situations, a senior and well respected haemophilia  
14 director would in some situations have much more clout  
15 and much more influence than a manufacturer of the  
16 product.

17 Q. Thank you, Dr Perry.

18 THE CHAIRMAN: Mr Anderson?

19 Questions by MR ANDERSON

20 MR ANDERSON: I'm obliged. Dr Perry, could we look  
21 together, please, at the letter of 10 July 1986. That's  
22 [\[SNB0060336\]](#). This was your letter that you wrote to  
23 Mr Pettet --

24 A. That's right.

25 Q. -- following upon your telephone conversation with

1 Dr Boulton. Is that correct?

2 A. Yes.

3 Q. And that arose as a result of then Dr Ludlam's request  
4 for, I think, 100,000 units. Is that correct?

5 A. Yes.

6 Q. But we see that what is asked for there is 50 vials,  
7 which represents 10,000 unit?

8 A. That's correct.

9 Q. In other words, one tenth of Dr Ludlam's original  
10 request?

11 A. Yes.

12 Q. Am I right in thinking that -- how can I put this? --  
13 this letter is a carefully worded one?

14 A. I think it was carefully worded and probably following  
15 a discussion with Mr Pettet as well.

16 Q. Did you discuss with Dr Boulton how likely it was that  
17 if a request for 100,000 units had been made, it would  
18 be likely to be accepted?

19 A. The honest answer is I can't remember, but I think it  
20 almost certainly would have been part of the  
21 conversation given the size of a request for 500 vials,  
22 half a batch and so on. I think also Dr Boulton -- and  
23 I think in his letter -- suggested that that would be  
24 almost the maximum amount that you might need for  
25 a piece of surgery in one such patient, and he thought

1           that was excessive because you could start with the  
2           smaller quantity of product and if there was  
3           a requirement to follow that up, we could go back to BPL  
4           and seek additional supplies.

5   Q.   Would I be right in thinking that this letter was  
6           pitched at a level that you thought was likely to  
7           succeed?

8   A.   Yes.

9   Q.   You talk there, I think in the letter, of a very modest  
10          quantity. Do we see that?

11   A.   Yes.

12   Q.   And also I think it starts off by saying:

13                 "Very occasionally, a haemophiliac without previous  
14                 exposure presents in Scotland for treatment."

15   A.   Yes.

16   Q.   With that in mind, can we turn to this question of the  
17          possible dissemination of information that a supply of  
18          8Y had arrived in Scotland, and you remember that that  
19          was discussed with you in some detail just before lunch?

20   A.   Yes.

21   Q.   I think you accepted that with the benefit of hindsight,  
22          you could perhaps have disseminated that information to  
23          the various haemophilia directors. Is that right?

24   A.   Yes, I think so, yes, I think that's correct.

25   Q.   I just wonder about that. Given the very modest



1 quantity that had been received, what do you think the  
2 benefit would be in telling all the  
3 haemophilia directors that such a very modest quantity  
4 had arrived?

5 A. I think the benefit would have been that we could have  
6 demonstrated to all haemophilia treaters in Scotland  
7 that for the particular scenario described by Dr Ludlam,  
8 we had responded by obtaining a small stock of product  
9 and this could be made available to any treating doctor  
10 in Scotland. So I think it just simply broadens the  
11 constituency that could have benefited.

12 I don't think we would ever have been inundated but  
13 had we come back with very substantial requests from  
14 individual directors, particularly in Glasgow and so on,  
15 whether BPL would have been able to increase the supply  
16 significantly beyond the 50 vials or 100 vials and so  
17 on, I really don't know.

18 Q. I mean, clearly, from what you have said previously, it  
19 wouldn't be normal practice of SNBTS to advertise the  
20 fact that they had a product that was not an SNBTS  
21 product?

22 A. No, it wouldn't have been, no.

23 Q. But again, I think this whole process was something of  
24 a one-off, was it not?

25 A. It was a one-off in response to a specific request from

1 a colleague.

2 Q. I just wonder -- again, you accept this is with the  
3 benefit of hindsight -- that if such information had  
4 been disseminated, that it might not have perhaps have  
5 created an expectation that might not have been capable  
6 of being achieved or met?

7 A. It depends on the size of the demand against it but  
8 I think, again with hindsight, I think we found that the  
9 product that was supplied for this particular use was  
10 never actually used in Edinburgh. A very significant  
11 proportion of patients, haemophilia patients in  
12 Scotland, were in Edinburgh.

13 So I think it's possible. But had this been for  
14 a Scotland-wide use, then I think we would have had to  
15 have been alerted to the possibility that we would have  
16 had to have increased that particular demand, but again  
17 I think in all honesty, what was in my mind was that we  
18 were responding to a specific request from a specific  
19 doctor and if other doctors in Scotland wished to access  
20 these products, then they were certainly free to do so,  
21 either between ourselves, via Dr Ludlam or directly with  
22 BPL.

23 Q. I was coming to that. You said, I think, previously,  
24 that the haemophilia directors were at least as well  
25 informed as you were in relation to developments and so

1 on. Is that not correct?

2 A. I think it's certainly fair to say that

3 haemophilia directors were fully aware of the existence

4 of 8Y. They were fully aware of its emerging track

5 record in terms of safety and indeed, they would have

6 participated in the discussions of haemophilia centre

7 directors, where the BPL developments would have been

8 shared with the whole of the UK haemophilia centre

9 directors at their regular meetings. So, yes, they were

10 at least as well informed as us.

11 Q. In relation to the question of dissemination of

12 information, presumably, would I be right in thinking

13 that if Dr Ludlam knew about the arrival of this stock

14 then it would be likely that other haemophilia directors

15 would be aware of it as well?

16 A. I can only speculate and I can conjecture but I would

17 have thought that if Dr Ludlam had gained access to

18 a supply of 8Y, then one way or another other

19 haemophilia doctors in Scotland would have had that

20 knowledge, but I have no evidence to back that up.

21 Q. All right.

22 THE CHAIRMAN: It's not the sort of information that

23 transmits by osmosis or some other way.

24 A. No, indeed.

25 THE CHAIRMAN: It has to be communicated.

1 A. It has to be communicated.

2 THE CHAIRMAN: Do you really have any knowledge of that?

3 A. I don't have any knowledge that that took place. I know  
4 that the haemophilia directors of Scotland met fairly  
5 regularly. We were a very -- I was going to say close  
6 knit but that's wrong. But they were a very close  
7 organisation, a small group of doctors, and maybe  
8 I misinterpreted the extent to which they did work  
9 closely together on these types of issues. I think  
10 where they did collaborate closely was on policy and so  
11 on, but it could well be that their particular practices  
12 in different parts of Scotland were quite different and  
13 their supply arrangements were quite different.

14 THE CHAIRMAN: This was the reason why I referred to the  
15 meetings of the haemophilia directors and it might be  
16 worth our while just having a look at such minutes as  
17 might exist around the time to see what happened in  
18 fact, Dr Perry.

19 A. Yes.

20 MR ANDERSON: Just to put this in context, you say in your  
21 main statement, [\[PEN0171244\]](#):  
22 "Although we now know that 8Y was a hepatitis-safe  
23 product, its initial introduction in England and Wales  
24 was not accompanied by an expectation that the product  
25 would necessarily be hepatitis-safe."

1           Would I be right in thinking that in the period we  
2           are talking about, July 1986, that was still the  
3           perceived wisdom, as it were? There was a hope that it  
4           may provide a non-infective product but no evidence that  
5           that was necessarily the case?

6    A. Well, there was some evidence. I don't think it's true  
7           to say that there was no evidence that 8Y was safer than  
8           previous generations of the product. I think as  
9           evidenced by various comments that I made in the March  
10          meeting and so on, I think there was a belief that it  
11          had an enhanced, an increased margin of safety over --  
12          but it was certainly not at the stage where you could  
13          necessarily assume that this was a hepatitis-safe  
14          product.

15                I think, had one put forward that proposition in any  
16                formal public way, then you would have been very  
17                severely criticised for this. It didn't meet any of the  
18                prevailing standards for demonstrating product safety at  
19                that point in time.

20                I think that position moved on quite quickly from  
21                there, once you had more time points and more patients  
22                and more batch exposures and so on, but I think at this  
23                time there was not a general acceptance that 8Y was  
24                a hepatitis-safe product. Intuitively it was reasonable  
25                to assume that 80 degrees for three days was likely to

1 give you a higher level of virus kill than 68 degrees  
2 for 24 hours, but intuition has often got us into  
3 trouble in the past.

4 Q. All right. Finally on the question of the possible  
5 dissemination of this information, I think we heard  
6 earlier that in July it was thought that the Scottish  
7 product, 8Y, might be available in September. Do you  
8 remember that?

9 A. That's right.

10 Q. I think we have seen that the 50 vials of 8Y arrived in  
11 Scotland on about 5 August. Do you remember that?

12 A. Yes.

13 Q. Can you remember -- I appreciate this may be  
14 difficult -- as at about 5 August, when was it thought  
15 that the Scottish product might be introduced?

16 A. I think we were still expecting it to be available for  
17 clinical evaluation in September/October time. I don't  
18 think at that stage we had reached the point where we  
19 had discovered what I think have been described as 11th  
20 hour problems with freeze-drying and so on. So I think  
21 this slightly pre-dated it.

22 I think at that point we were attempting to cover  
23 a very small window before Z8 came on stream and would  
24 be able to support the same group of patients.

25 Q. So if after 5 August you had written to the

1 haemophilia directors advising them of the arrival of  
2 the English 8Y, you would be looking at a period of,  
3 what, something like a month or something? Is that  
4 right?

5 A. A month or two, yes.

6 Q. Finally, Dr Perry, can we turn to another matter? You  
7 may recall that my learned friend Mr Di Rollo put to you  
8 that if Dr Ludlam had used the 8Y that had been received  
9 from England on a previously untreated patient, it  
10 couldn't be said to be misusing it, and you agreed with  
11 that proposition. Do you remember that?

12 A. That I would agree that it wouldn't be misuse?

13 Q. Yes.

14 A. Yes, I agree, I don't think it would be misuse.

15 Q. I think there may be some misunderstanding perhaps on my  
16 learned friend's part, because we know that in fact it  
17 was not used on a previously untreated patient?

18 A. That's my understanding, yes.

19 Q. And this is Day 54, page 127. Professor Ludlam gave  
20 evidence that in fact the 8Y was not used on  
21 a previously untreated patient but rather on a patient  
22 who had an allergic reaction to a Scottish product.

23 A. Yes.

24 Q. Is that your understanding?

25 A. That's my understanding, yes.

1 Q. Can I just ask you two things in relation to that? If  
2 the 8Y had been used on such a patient, presumably there  
3 would be no benefit in carrying out samples and carrying  
4 out the clinical trials. Is that right?

5 A. Correct. Yes, if it was a patient that had substantial  
6 previous treatment with coagulation factors, which by  
7 definition this patient had, then there would have been  
8 no attempt to enter that patient -- that patient simply  
9 wouldn't have met the criteria for the trial so wouldn't  
10 have been entered.

11 Q. I appreciate, Dr Perry, this is really a clinical matter  
12 but if a decision had been taken, as it was, to use this  
13 on a patient who had allergic reactions to the Scottish  
14 product, I take it that could hardly be described as  
15 a misuse of the product?

16 A. Absolutely not. I don't think it was a misuse. I think  
17 in the day-to-day business of seeing patients, which  
18 I have never done in my life, being a supplier of  
19 products, I think if a patient presents with  
20 a particular set of conditions or a particular profile,  
21 then you have the ability to treat that patient  
22 effectively, then I think that's quite appropriate.

23 It was certainly not part of the understanding that  
24 we had with our colleagues in England and Wales, that we  
25 would vigorously audit the use of the product once



1           supplied. And I think to be fair, if BPL had discovered  
2           that this product had not been used to treat a --  
3           I don't think they would have reacted particularly badly  
4           either. I think it would have led them to have some  
5           concern about future issue of product, if it was simply  
6           going to be used for other indications, but in this  
7           particular circumstance, I wouldn't regard it as  
8           a misuse. But if one was seeking to get wider and  
9           further supplies for a bigger community of previously  
10          untreated patients, it might have created difficulties,  
11          but that circumstance never arose.

12   Q. Thank you very much, Dr Perry.

13   THE CHAIRMAN: Do you know that Professor Ludlam scrounged  
14          some from Newcastle?

15   A. I don't think I knew at the time and I guess that  
16          illustrates one of the --

17   THE CHAIRMAN: It might do.

18                   Mr Johnston?

19   MR JOHNSTON: I have no questions, thank you.

20   THE CHAIRMAN: Ms Dunlop?

21                                   Questions by MS DUNLOP

22   MS DUNLOP: There are a couple of points, sir, which I think  
23          I might be able to contribute. The first is just that  
24          reference Mr Anderson made. I think it was to Day 54  
25          That is 13 October.

1           Maybe we will get the transcript up. I'm actually  
2           currently looking at page 142. I don't know if we could  
3           get that on the screen? This is simply to clarify what  
4           happened to the 50 vials.

5   THE CHAIRMAN: If you can.

6   MS DUNLOP: Not completely.

7   THE CHAIRMAN: Not completely, yes.

8   MS DUNLOP: I think we are looking at 142. Well,  
9           Mr Anderson referred to 127. I think maybe if we look  
10          at 127 first, just to see that.

11          I'm not sure if it's 127. If we go to 142, please.  
12          I think that may be the reference.

13   THE CHAIRMAN: I think the story must begin a little bit  
14          earlier than that.

15   MS DUNLOP: Yes, I think just at the bottom of the previous  
16          page. I think this is the reference. Then if we go on  
17          to 142:

18          "When the initial stock was used up, a further  
19          supply was obtained from Newcastle. So obviously you  
20          did use those 20 vials?

21          "Answer: We used them, not in a previously  
22          untransfused patient but I think in another patient who  
23          had allergic reactions to the Scottish product.

24          "Question: Right. What happened to the other 30,  
25          do you know? Did you get them in due course?

1           "Answer: I suspect we used those and when those  
2           were used up -- I'm sorry, I don't know, you would need  
3           to ask blood transfusion issue departments."

4   THE CHAIRMAN: That's the high point.

5   MS DUNLOP: That's the reference but the other reference  
6           I want to make, because I think it contributes to what  
7           Mr Di Rollo was trying to elucidate, is to Day 55.  
8           That's 14 October. So the following day. Page 63 of  
9           that, if we could, please. Slightly further down:

10           "Just one last matter, professor. When this supply  
11           of 8Y was obtained in the summer of 1986, was it for  
12           Edinburgh patients or was it for everybody in Scotland?

13           "Answer: Well, as I think is clear, I requested it  
14           and it was held primarily at the protein fractionation  
15           centre and therefore it was available for anyone who  
16           wished to apply to use it.

17           "Question: Yes. And Dr Perry didn't sent you all  
18           50 vials?

19           "Answer: He sent me 20, I think.

20           "Question: But as matters turned out, I think you  
21           used the whole 50 vials. Did you ever mention to any of  
22           your colleagues in Scotland that that stock existed?

23           "Answer: I assume that would be a responsibility  
24           for Dr Perry. He had a new product available for  
25           patients.

1           "Question: Right. Is that a "no". Do you have any  
2           memory of ever saying in a conversation, "Oh, there is  
3           a stock of 8Y at PFC?"

4           "Answer: I'm sorry, I can't remember.

5           So that was canvassed with Dr Ludlam. I just wanted  
6           to draw that to your attention, sir.

7   THE CHAIRMAN: Thank you.

8           Dr Perry, thank you very much.

9   A. Thank you.

10                   PROFESSOR BRIAN COLVIN (continued)

11   THE CHAIRMAN: Professor, welcome back.

12           Ms Dunlop?

13   MS DUNLOP: Yes, sir, I would really propose the same  
14           arrangement. Albeit at rather a lick, I did proceed  
15           through Professor Colvin's evidence the last time he was  
16           here and it's really the turn of my colleagues to pose  
17           questions to him.

18                   Questions by MR DI ROLLO

19   MR DI ROLLO: Professor Colvin, I would like to thank you  
20           for coming back. You seem to get the Friday night at  
21           the Glasgow Empire slot in this Inquiry, I am afraid.

22           I think the last time you were asked questions by my  
23           learned friend, as she indicated, she went through some  
24           material with you and perhaps I should recap where we  
25           are with you.

1           You provided a report, which is [\[PEN0171674\]](#), which  
2           is your report, and she took you through that report in  
3           a bit of detail. I'll just remind everyone what matters  
4           were canvassed with you.

5           I think she put to you the UKHCDO haemophilia  
6           working party report for 1986 to 1987, providing  
7           a snapshot of the position in September 1987. She went  
8           to the preliminary study, which was published in 1986,  
9           which was heat-treated Factor VIII concentrate in the  
10          United Kingdom. She mentioned the cryoprecipitate study  
11          and there was then a discussion about infectivity in the  
12          donor pool.

13          And then reference was made to your work, the effect  
14          of dry heating of coagulation factor concentrates at  
15          80 degrees centigrade for 72 hours on transmission of  
16          non-A non-B Hepatitis, and reference was made to your  
17          report and your assertion that it would have been unwise  
18          to have made claims for a product where there was still  
19          a level of uncertainty, and clearly it might be even  
20          more than unwise, it would be not the right thing to do  
21          at all.

22          There was then reference to Professor Mannucci's  
23          paper, which is a document at [\[LIT0010456\]](#). Then there  
24          was detailed reference to the questions in your report,  
25          and you were basically asked two questions by the

1 Inquiry and you have answered those to some extent in  
2 your report, and you have given other evidence about it.

3 So it's really to that that I want to turn. What  
4 you said in your report at page 5 of [\[PEN0171674\]](#). The  
5 first question:

6 "Had you been treating patients in Scotland in this  
7 period, what would you have done?"

8 And the period that we are interested in is the  
9 period of the C3A topic, which is essentially the period  
10 during which in Scotland there was a heat-treated  
11 product but which was not thought to provide safety from  
12 non-A non-B Hepatitis, whereas in England  
13 from July 1985, there was available to  
14 haemophilia directors a product which the signs  
15 increasingly became clear that there was at least hope  
16 and a good feeling that the product may well provide  
17 a margin of safety. So it's in that context that these  
18 questions are being asked.

19 What you say there is you would have used DDAVP  
20 where this was appropriate for mild Haemophilia A and  
21 von Willebrand disease patients. You then go on to say:

22 "Where necessary, I would have used the concentrate  
23 that I believed on the evidence available to me was  
24 least likely to transmit non-A non-B Hepatitis (or  
25 HIV)."

1           The position, I think, in England -- I don't think  
2 my learned friend actually put this document to you but  
3 it's [\[DHF0030476\]](#). I think reference was made to it or  
4 has been made to it and obviously you are familiar with  
5 it. This is a letter which was sent to  
6 haemophilia directors in England and Wales. I imagine  
7 that would include yourself at that time. Is that  
8 right?

9 A. Yes.

10 Q. And it is referring to a new Factor VIII concentrate,  
11 type 8Y, and going down the letter, it says in the fifth  
12 paragraph:

13           "Clinical trials at six haemophilia centres are in  
14 progress to gain evidence of reduction or elimination of  
15 viral transmission and several patients have safely  
16 passed the point at which first evidence of NANB virus  
17 transmission would normally occur with unheated  
18 Factor VIII.

19           "In accordance with regulatory requirements, the  
20 product should be issued by clinicians on  
21 a named-patient basis until a product licence has been  
22 granted. A product licence application will be lodged  
23 with the medicines division in the autumn.

24           "Factor 8Y will be issued through regional blood  
25 transfusion centres unless special provisions exist by

1 agreement for product to be sent direct to the  
2 haemophilia centre. Allocations to the BTS will provide  
3 the pro rata requirements for distribution agreed  
4 between BPL and BTS, except for 8Y required to fulfil  
5 the special needs of clinical trials to provide  
6 information for product licence application.

7 "It is recognised that, until the new production  
8 unit at Elstree is completed, output of 8Y will meet  
9 about one third of current demand for concentrate and  
10 for this reason attempts have been made to define those  
11 patients most likely to benefit from the security  
12 inherent in 8Y. Therefore, haemophilia centre directors  
13 are being asked to compile lists of their patients  
14 considered at risk and most centres have complied. It  
15 is the considered view at BPL that where possible  
16 liaison between the haemophilia services and the BTS  
17 should aim at directing Factor 8Y to these patients  
18 using the existing framework of distribution and  
19 supply."

20 First of all, you did receive this letter? I think  
21 you have told me that.

22 A. I would imagine so. I don't recall specifically having  
23 received it but I don't doubt that I received it.

24 Q. Do you remember compiling lists of patients most at  
25 risk?



1 A. No, I don't.

2 Q. Are you able to help us with who they would be?

3 A. Yes, I think if you look at my report, you can see that  
4 I have suggested that I would have used heat-treated  
5 commercial Factor VIII concentrate where essential,  
6 especially for more significant bleeding episodes or  
7 major surgery, where the use of substantial quantities  
8 of concentrate was anticipated.

9       So what we had really was a policy of trying to look  
10 after those who had been least treated and trying to  
11 look after, really, children. So until the  
12 spring/summer of 1985, I was still trying to use  
13 cryoprecipitate for the children but I then changed over  
14 to 8Y really as soon as it became available, and I think  
15 probably around the time of this letter.

16       As far as adults were concerned, particularly, I am  
17 afraid, people who had been given a lot of treatment in  
18 the past, or who were due to have major surgery which  
19 would require a lot of concentrate to be given, then it  
20 was very often the case that we had to consider using  
21 commercial heat-treated concentrate because, as I think  
22 was made clear around that time, the provision of 8Y was  
23 only sufficient for a proportion of the patients under  
24 our care.

25 Q. Would that proportion of patients then include the adult

1 patient who had never previously received Factor VIII in  
2 the past?

3 A. Yes, I would certainly try to do that, assuming that the  
4 patient wasn't suitable for DDAVP, and it would also  
5 depend a little bit about what was going to happen to  
6 that patient. So if you were going to take a tooth out,  
7 then you might be confident that there would be enough  
8 8Y available to allocate what you had for that patient.  
9 If on the other hand, maybe there was going to be major  
10 abdominal surgery or neurosurgery, then you might take  
11 the view that there was a danger of using up more than  
12 was appropriate of the supply available to you of 8Y  
13 because it would take 8Y away from other patients.

14 Q. Right. So if you knew that you were only going to have  
15 to use a small amount, then it would be essentially  
16 a no-brainer. You would use the 8Y rather than other  
17 types of Factor VIII concentrates?

18 A. Yes, indeed, that was what was available to us and we  
19 thought that was the best concentrate to use at the  
20 time.

21 Q. Yes. Can I ask you this: when would it be suitable or  
22 appropriate to use fresh-frozen plasma? Would you ever  
23 use that?

24 A. I think never.

25 Q. Right. Never ever?

1 A. If you had a patient who had an inhibitor to Factor VIII  
2 and you were performing plasma exchange, which is a very  
3 rare procedure and in very unusual circumstances, you  
4 might include fresh-frozen plasma in that equation.  
5 Maybe if you were dealing with a patient who was  
6 requiring a very large volume of blood transfusion after  
7 perhaps major heart surgery, then it's possible that  
8 fresh-frozen plasma would be part of the group of blood  
9 products that you would use whether the patient had  
10 haemophilia or not. But I don't think that by the time  
11 that cryoprecipitate was described in 1965, you would  
12 ever, after 1965, have used fresh-frozen plasma alone to  
13 treat Haemophilia A.

14 Q. I'm not asking about treating necessarily Haemophilia A.  
15 Supposing you had somebody who was mild or not even  
16 mild --

17 A. If you were dealing with mildness in Haemophilia A, you  
18 would use DDAVP, if you could. If you were treating  
19 patients with Haemophilia A who weren't suitable for  
20 DDAVP, then you would probably use cryoprecipitate.  
21 What we were, of course, doing was -- in the early days  
22 of my career, we were using fresh-frozen plasma to treat  
23 Haemophilia B, but shortly after I qualified, Factor IX  
24 concentrates became available and in those circumstances  
25 really fresh-frozen plasma also became redundant for the

1 management of Haemophilia B. So that I can't  
2 immediately think of any circumstances in which I would  
3 use fresh-frozen plasma to treat haemophilia in  
4 1986/1987.

5 Q. All right. We have seen a phrase "category 1 patients".  
6 Is that familiar to you?

7 A. Not at all, no.

8 Q. Right. It has been used by, I think, Jim Smith at one  
9 stage.

10 A. Okay.

11 Q. But that doesn't ring any bells --

12 A. The concept of a category 1 patient rings no bells with  
13 me.

14 Q. Right. But you would, for the reasons I think you have  
15 explained, put a previously untreated patient, whether  
16 an adult or a child, in a particular category with  
17 a view to --

18 A. At that time I would have tried to put them into  
19 a clinical trial because such patients were, and indeed  
20 are -- I don't mean to be unsympathetic at a personal  
21 level but they are a valuable resource. Where you have  
22 a patient who is untreated, then if you want to try to  
23 find out more about how best to manage haemophilia, then  
24 with appropriate patient or parental consent, a  
25 previously untreated patient is of clinical and

1 scientific research value. So one would be reluctant to  
2 miss the opportunity to obtain valid consent to take  
3 part in a clinical trial.

4 Q. I can understand that but of course, looking at it from  
5 the patient's point of view and the protection of that  
6 individual patient as opposed to patients generally --

7 A. I think one would be looking at that. I think the point  
8 of clinical trials is that you know that there is no  
9 best treatment for a patient. If you know what the best  
10 treatment for a patient is, then they don't go into  
11 a clinical trial. You can't justify entering a patient  
12 into a clinical trial if you know what the right  
13 treatment is.

14 Q. What I'm trying to get at then is you think that the  
15 best course of action for that patient, from the  
16 practicality of it, is to receive the 8Y at this time  
17 if --

18 A. I can only go back to what I said before: there was an  
19 air of uncertainty, that the 8Y study that we actually  
20 were undertaking, which was published in 1988, didn't  
21 fulfil the criteria of ISTH, the International Society  
22 on Thrombosis and Haemostasis. The numbers involved  
23 were not sufficient and a better study, I think,  
24 eventually reported in 1993. So I think one has to  
25 say -- and I repeat it -- that if you know what the

1 right treatment is, then you cannot justify a clinical  
2 trial.

3 Q. Sometimes you do not know necessarily what the right  
4 treatment is but you have an option to take and it's  
5 a question of what the safer option is, is what I'm  
6 asking about?

7 A. It's the perceived safer option. So I think there was  
8 a growing perception that 8Y was a reliable product.  
9 That's a fair statement. But had we known that 8Y was  
10 completely safe, then we would, I think, have been  
11 unable to enter patients so easily into a clinical  
12 trial. Although, of course, even these days, we  
13 couldn't compare one product with another because we  
14 knew that wasn't an ethically acceptable thing to do.  
15 And we have to accept that we didn't have enough product  
16 to treat all the patients either in England or in the  
17 United Kingdom as a whole with a particular product.

18 Q. But what we see here is that haemophilia directors being  
19 asked to compile lists of their patients considered at  
20 risk and that would include, as I understand it, the  
21 previously untreated patients?

22 A. Yes, it certainly would.

23 Q. All right. Did you ever in your experience hear of  
24 a situation in England where a previously untreated  
25 patient was given Factor VIII product inappropriately?

1 Did that ever happen?

2 A. That's a very big question because it would mean that  
3 I would have to know what "inappropriate" meant in the  
4 circumstances. I think that it would have been  
5 inappropriate to treat a patient in 1986/1987 with an  
6 unheated Factor VIII concentrate, for instance. But  
7 I know of no such instance. I don't think that it would  
8 have been inappropriate to treat a previously untreated  
9 patient with a licensed product that had been properly  
10 prepared, and so I know of no personal incident where  
11 a previously untreated patient was treated in a way that  
12 I would have regarded as being inappropriate. But, of  
13 course, I wouldn't actually know what my colleagues  
14 elsewhere were doing in individual cases.

15 Q. No.

16 A. I hope I knew what I was doing but I don't think that an  
17 inappropriate action would have come to my attention.

18 Q. All right.

19 If in the spring or summer of 1986 you had a choice  
20 of the 8Y on the one hand and the then available  
21 Scottish product -- which was the protocol was not the  
22 same and was known or at least suspected as not being  
23 protective in relation to non-A non-B Hepatitis, which  
24 product would you have used, given that stark choice?

25 A. Well, I think it is a somewhat artificial choice, as you

1 will appreciate.

2 Q. I do. It is hypothetical.

3 A. I think that by the time we had got to that position,  
4 there was a hope that the 80°C/72-hour product was going  
5 to have a good record. So if you had given me a bottle  
6 of each concentrate and said, "Which one are you going  
7 to give this particular patient?" I would probably have  
8 used the 8Y.

9 Q. Right.

10 Thank you, I have no further questions.

11 THE CHAIRMAN: I would just like to be clear that you are  
12 being treated quite fairly there. If both products were  
13 freely available and sufficient, one can see one  
14 situation, but would that necessarily be the case?

15 A. Perhaps you could repeat that question, Lord Penrose.

16 THE CHAIRMAN: Yes. I think you have made the point earlier  
17 that if one had to confront the situation of a patient  
18 needing major surgery, the volume of the material  
19 required and the volume of material available would come  
20 into it.

21 A. Yes.

22 THE CHAIRMAN: I just don't want you to be put in a position  
23 of answering an apparently simple question without  
24 having the opportunity to qualify it, if you think  
25 qualification is appropriate.



1 A. I think the point that I was making, and I think the  
2 question that I understood was that here we have  
3 a previously untreated patient, who is having a single  
4 experience of Factor VIII, and I'm bringing in one  
5 bottle of 8Y and one bottle of something else to be  
6 given on one occasion or not more than two occasions,  
7 what would I choose, there I think that I would have  
8 chosen the 8Y for that particular occasion had there  
9 been an unlimited supply and I was actually going to be  
10 only doing a very small procedure. I'm very conscious  
11 of the fact that in the UK at the time there was not  
12 enough 8Y to go round, and that that was particularly  
13 the case in England.

14 THE CHAIRMAN: Mr Di Rollo, I think that I was trying to  
15 avoid what you had earlier, I think, described as  
16 a "no-brainer", which on the one for one I would  
17 certainly think it is. I think you might want to  
18 perhaps explore it a little more fully.

19 MR DI ROLLO: There is obviously an artificiality about this  
20 because Professor Colvin never had this situation and  
21 was never likely to have this situation in front of him.

22 What I'm simply suggesting, in the assessment of the  
23 relative merits of the product -- and obviously there  
24 are qualifications because the hypothesis that I'm  
25 putting to you assumes you have got one bottle of each

1 and I'm asking to you choose which one you would use,  
2 and it is very simple from that point of view. I'm not  
3 asking to you consider the potential qualifications that  
4 might arise or difficulties that might arise in relation  
5 to supply --

6 A. I think that --

7 Q. -- but a straight choice between the two. I think you  
8 have made it clear what your answer would be.

9 A. As Lord Penrose implies, simplicity is sometimes  
10 a facade but let me put you to you another position  
11 which is slightly different but not very different.

12 A year or two earlier I had had a young woman who  
13 was pregnant, who, during her pregnancy, had a cerebral  
14 haemorrhage and it was found that she had a very large  
15 arterio-venous malformation within her brain, and it was  
16 quite clear that we needed to give her immediate or  
17 fairly immediate factor concentrate, and what  
18 I instructed my registrar to do, and indeed was part of  
19 myself, was to contact Oxford to find out whether they  
20 had any material which they thought, at any level, was  
21 less likely to cause hepatitis. And they provided  
22 a very small amount of material for me, which I think  
23 effectively -- because it was quite early on; it was  
24 probably 84, I think -- may have saved this patient's  
25 life. So it is true that when one was in this very

1           difficult position, dealing with individual patients,  
2           then you had to think very carefully and very quickly  
3           about what was the best concentrate for this patient.

4           Equally, I'm sorry to say, we had patients about the  
5           same time who had been treated a lot in the past and  
6           needed an operation, perhaps an elbow replacement, and  
7           I had to say to them, "Look, you need an elbow  
8           replacement. We have previously only given you NHS  
9           material. There is this thing called AIDS around, which  
10          is worrying us very much. We don't know what it is due  
11          to -- this is 83/84 -- and either we don't do this  
12          operation or we use commercial concentrate which  
13          conceivably could cause a problem." And after  
14          discussion with the patient -- I can remember very  
15          clearly sitting with the patient, and I know the exact  
16          date on which this particular patient received a bottle  
17          of commercial concentrate -- this was before heat  
18          treatment -- which resulted in HIV infection.

19          So every day almost in this period, individual  
20          physicians had to make individual choices about what  
21          they perceived to be the best treatment for a particular  
22          patient.

23          So in a way, your question is not inappropriate, if  
24          I may say so, because I understand exactly what we had  
25          to do but the choices that we made were not made with

1 full information. So we had to make our best judgment.  
2 I am afraid it was a little bit like -- not that I go to  
3 the horse races, you understand -- but it was a little  
4 bit like going to the horse races and looking at the  
5 field and saying, "Which of these horses am I going to  
6 back?"

7 Sometimes you will see, looking at previous form,  
8 that a particular horse is worth backing, and maybe it  
9 will romp home but there is a real risk that it won't.  
10 If of course you know which horse is going to win, then  
11 it's pretty easy to decide what to put your money on.  
12 And I think what you are asking me to do in a way is to  
13 go to the haemophilia races -- I don't mean to be  
14 trivial about this, this is quite a serious point -- and  
15 decide which horse we are going to back, and we don't  
16 know which one is going to come home first.

17 MR DI ROLLO: I appreciate you are making a serious point  
18 and I think I have your answer in terms of the question  
19 that I did ask. I think you are telling us -- and have  
20 told us -- that you would probably go with the 8Y in  
21 that situation.

22 I appreciate that obviously your answer is qualified  
23 by a number of factors but it really boils down to this,  
24 Professor Colvin, doesn't it, that if there is one  
25 product which has a known risk of transmitting non-A

1 non-B Hepatitis and another product which has a hope  
2 that it won't do that, although one cannot be sure about  
3 it, one would tend, one would have thought, to go with  
4 the latter rather than the former?

5 A. Assuming that you feel confident. That is the correct  
6 answer, and I think that throughout this discussion --  
7 and indeed when the question was first put to me for my  
8 written opinion, there is in my mind an assumption of  
9 retrospectoscopic knowledge.

10 Q. Again, that's what the state of knowledge is in terms of  
11 what information was available, as I appreciate is  
12 important to bear that in mind. And what you have told  
13 us, I think, is that there were occasions where stark  
14 choices of that kind in fact did have to be made?

15 A. Absolutely.

16 Q. I'm not actually suggesting to you that there was such  
17 a stark choice here in Scotland at that particular time.  
18 But I wanted really to ask your view as a haemophilia  
19 doctor as to giving us some kind of insight into the  
20 relative merits clinically of the two products at the  
21 time.

22 A. I think the other thing to say is that we did have  
23 opinions which of course weren't always based on  
24 science. So when I started to work in haemophilia care  
25 in 1970, I, like many of my colleagues, was very

1 strongly attached to the concept of the  
2 National Health Service, and the concept that we could  
3 deliver healthcare for people with haemophilia within  
4 the National Health Service, and the advent of  
5 commercial concentrates, I think, was both a surprise  
6 and a challenge to us, and some of my colleagues took  
7 the view that the commercial concentrates were much  
8 better prepared than the National Health Service  
9 concentrates, and I think, because of my enthusiasm for  
10 the National Health Service, I probably went on using  
11 National Health Service products in a way which differed  
12 sometimes from the way my colleagues saw the value of  
13 the commercial products.

14 I'm not saying which of those was the correct answer  
15 but I think what I am saying is that it is perfectly  
16 appropriate and understandable for physicians to use  
17 what you might call their common sense or their opinion  
18 or even their intuition to deliver the service in a way  
19 which is both acceptable and different from somebody  
20 else's way. Certainly it was my experience through the  
21 whole of this period that whilst UKHCDO gave valuable  
22 guidance and I'm grateful to my colleagues like  
23 Professor Arthur Bloom and Dr Rizza for the leadership  
24 that they showed, there is no doubt that individual  
25 physicians thought very deeply about what they should do

1 and didn't always come to the same conclusion.

2 So I would repeat that it wasn't easy to know what  
3 the right answer was, and the responsible physicians  
4 acting within the spectrum of appropriateness sometimes  
5 came to different conclusions.

6 Q. I think we understand that, Professor Colvin. Thank  
7 you.

8 I have no further questions.

9 THE CHAIRMAN: It's ten past three. I think that the  
10 stenographer must have a break, if the questioning is  
11 going to go on. I think probably you want to have  
12 a break anyway. Is that possible or does it cause you  
13 significant inconvenience?

14 A. Me, Lord Penrose?

15 THE CHAIRMAN: Yes.

16 A. I'm free until the flight leaves at 6 o'clock this  
17 evening.

18 THE CHAIRMAN: I doubt if we can entertain you quite that  
19 long.

20 (3.15 pm)

21 (Short break)

22 (3.34 pm)

23 THE CHAIRMAN: Have you completed --

24 MR DI ROLLO: Yes, thank you, sir I have.

25 THE CHAIRMAN: Dr Colvin, Professor James asked me to ask

1           you a question. The context is an answer you gave on  
2           page 92, where you said that in the period that we are  
3           dealing with, in the early part of 1986, you said that  
4           if you were dealing with mild Haemophilia A, and you  
5           would consider DDAVP if it was suitable and if that  
6           weren't suitable, then you would probably use  
7           cryoprecipitate. It's in relation to the wider use of  
8           cryoprecipitate that he wants me to ask a question. And  
9           it's this: if you were in the hypothetical situation,  
10          let's say in the early summer of 1986, of anticipating,  
11          as was the case in Scotland, that by the late  
12          summer/early autumn there would be a Factor VIII product  
13          that had effectively been inactivated, but a case arose  
14          for treatment, would you have considered using  
15          cryoprecipitate as a stop gap treatment rather than  
16          using Factor VIII that had come to be suspicious?

17                 I hope I have made it sufficiently specific.

18    A. Yes, I think one of the great difficulties in answering  
19          such a question is trying to put oneself exactly into  
20          1986. If we are in 1984, then I think it's a little bit  
21          easier to say yes, but if we are in 1986, we are almost  
22          at the point where we have stopped using  
23          cryoprecipitate.

24                 Of course, the trouble is that, of course, my study  
25          of cryoprecipitate was published in 1987. If one looks



1 at the letter from the haemophilia centre directors'  
2 organisation, which was published in the British Medical  
3 Journal in June 1985, which I think is in the papers,  
4 [\[LIT0010333\]](#), this is a letter called "HTLV-III,  
5 haemophilia and blood transfusion", sent by  
6 Arthur Bloom, Charles Forbes and Charles Rizza, they  
7 point out the dangers of using cryoprecipitate, and the  
8 last sentence of their statement -- this is the middle  
9 of 1985 -- says:

10 "When testing ..."

11 That's testing for anti-HIV or, as it was then,  
12 HTLV-III:

13 "When testing is fully implemented, the role of  
14 single donor cryoprecipitate in the management of  
15 haemophilia can then be reassessed."

16 I guess by sort of 1985/86, we would really reach  
17 the point where perhaps that was the case, that the  
18 donations by 86 would have been tested. The donations  
19 would have been tested for anti-HIV and therefore if it  
20 really wasn't possible to use DDAVP and if you really  
21 thought that you were very worried about an existing  
22 heat-treated concentrate, then I think by that period of  
23 1986, maybe there was a brief window when  
24 cryoprecipitate was a possible treatment.

25 What would I have done? I think it's really rather

1           difficult to answer that question from the distance of  
2           25 years. What I can say is that I was fairly keen on  
3           cryoprecipitate until sort of 1984/85, when HTLV-III  
4           became a reality and when heat treatment also became  
5           a reality.

6           I suspect that by 1986, despite my publication in  
7           1987, I would have thought twice about using  
8           cryoprecipitate. But I think it would not have been an  
9           unreasonable point to have made, and the fact that  
10          I allowed my paper to be published in 1987 implies that  
11          I thought even at that time it was a reasonable approach  
12          to the problem. But you would have to take every case  
13          on its merits. As I implied in my previous answer, one  
14          had to factor such a lot of different issues into the  
15          equation before you made a decision, and the decision  
16          you made wasn't necessarily the right decision and it  
17          was perfectly possible for another physician to make  
18          a reasonable different decision.

19        THE CHAIRMAN: I think that in the preliminary report at  
20          paragraph 8.156, the letter that you refer to and  
21          a reply by Dr Mitchell and others making the point that  
22          perhaps one has to be a bit more discriminating, that  
23          point has already been made, but thank you for  
24          developing the point.

25          Mr Di Rollo, do you see any need to follow up on

1           that?

2   MR DI ROLLO:  No, thank you, sir.

3   THE CHAIRMAN:  Is that a sufficient answer?

4   MR DI ROLLO:  Yes.

5   THE CHAIRMAN:  Mr Anderson?

6                               Questions by MR ANDERSON

7   MR ANDERSON:  I am obliged, sir.

8                               Professor Colvin, good afternoon.

9   A.  Good afternoon.

10  Q.  Just one or two brief questions if I may.  You recall  
11       that when you were last here on your fleeting visit on  
12       14 October, counsel to the Inquiry, Ms Dunlop, put your  
13       report to you and the two questions that contained.  
14       I wonder if, just for convenience, we can have that put  
15       up in front of us.  It's page 5 of [\[PEN0171674\]](#).  We can  
16       remind ourselves that the second question there was:

17                               "Would you have been concerned that there appeared  
18       to be a hepatitis-safe product available in another part  
19       of the UK that was not available for your patients?"

20                               You say in your report:

21                               "In my view, there was no evidence in the period  
22       1984-1987 that any Factor VIII concentrate was  
23       hepatitis-safe."

24                               If we then go to what you said in evidence; you may  
25       recall that you said:

1            "As you know, question 2 I found rather reminiscent  
2 of the question of: when did you stop beating your wife?  
3 It kind of assumes an answer."

4            And I'm reading here from the transcript on page 156  
5 of Day 55. You said:

6            "So the answer to your question is that we were in  
7 the position where we could only do what seemed a good  
8 idea at the time. This sort of decision-making was  
9 based partly on science and partly on intuition and  
10 I think the answer is that at an objective level you  
11 couldn't say that one product was better than another,  
12 despite this encouraging information. Then I think you  
13 really are down to making your own judgment about what  
14 is most likely to be true."

15           Firstly I take it that that remains your position?

16 A. Yes.

17 Q. Again, this may be obvious but is this simply another  
18 way of saying that in relation to choice of treatment,  
19 it becomes a decision for the treating clinician in each  
20 individual case?

21 A. I'm sure that is the case.

22 Q. There has been evidence taken from various directors of  
23 haemophilia centres in Scotland that in relation to this  
24 period, 1984 to 1987, that we are discussing today,  
25 their choice of blood products, their protocol, was

1 consistent with the general guidance from the UKHCDO.  
2 Are you in a position to say whether you understand that  
3 to be so or not?  
4 A. No, I don't think I am.  
5 Q. Simply because of an unfamiliarity with the position and  
6 so on?  
7 A. Yes.  
8 Q. Right. All right. Thank you very much, Dr Colvin.  
9 THE CHAIRMAN: Mr Johnston?  
10 MR JOHNSTON: I have no questions, thank you.  
11 THE CHAIRMAN: Ms Dunlop?  
12 MS DUNLOP: I have no questions for Professor Colvin, thank  
13 you.  
14 THE CHAIRMAN: Professor Colvin, thank you very much indeed.  
15 A. Thank you, sir.  
16 THE CHAIRMAN: Ms Dunlop?  
17 MS DUNLOP: Sir, I don't have any further witnesses to give  
18 evidence on topic C3A. There are no statements from  
19 witnesses who have not attended, so I have no statements  
20 to which I need to draw your attention. There is,  
21 however, one document which is a comment by  
22 Dr Iain Macdonald, former chief medical officer, on some  
23 evidence given by Professor Ludlam, about the possible  
24 scope for a CMO letter, and that is a matter which was  
25 addressed by a special application lodged by the

1 Scottish Government and which you, sir, have allowed to  
2 be received.

3 I think it's appropriate to mention it at this  
4 juncture because this is the topic to which it relates.  
5 I just need to check with Mr MacFarlane whether it's  
6 best to say that we will insert a court book reference  
7 into the transcript so that people can look at it once  
8 it has been processed and been given a court book  
9 number. I'm being assured that we can do that. So once  
10 we have a court book reference for this document, we  
11 will be able to insert this into the transcript.  
12 Subject to that, I have no further remarks to make in  
13 relation to that topic.

14 THE CHAIRMAN: Right. So is that the end of today's  
15 business?

16 MS DUNLOP: Yes, it is.

17 THE CHAIRMAN: Thank you all very much.

18 (3.44 pm)

19 (The Inquiry adjourned until 9.30 am the following day)

20

21

DR ROBERT PERRY (continued) .....1

22

Questions by MR DI ROLLO .....1

23

Questions by MR ANDERSON .....70

24

Questions by MS DUNLOP .....81

25

PROFESSOR BRIAN COLVIN (continued) .....84

1	
2	Questions by MR DI ROLLO .....84
3	Questions by MR ANDERSON .....107
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	

