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Wednesday, 13 June 2012

(10.00 am)

THE CHAIRMAN: Good morning.

MS ANYADIKE-DANES: Good morning, Mr Chairman.

THE CHAIRMAN: Straight into Dr Armour?

MS ANYADIKE-DANES: Yes.

THE CHAIRMAN: Dr Armour, please.

DR ALISON ARMOUR (called)

Questions from MS ANYADIKE-DANES

MS ANYADIKE-DANES: Good morning, Dr Armour. You have made,

I think, three statements for us. Well, one which

incorporated an earlier one, I think --

A. Yes.

Q. -- and the most recent of which we had yesterday.

Do you adopt those statements, subject to anything you

may want to say in this oral hearing, as your evidence?

A. Yes, I do. And I would like to say I have been provided

with the evidence of the surgeon, Mr McCallion. I did

sit here in court yesterday and I would like to say,

regarding the suture, it was my firm opinion 17 years

ago that what I saw at autopsy was indeed a suture.

However, considering the evidence of Mr McCallion and

sitting here yesterday, I am prepared to accept that

this may well have been a piece of fibrous tissue that

resembled a suture.

1 Q. I understand. Thank you very much for that. That
2 clarifies things. We'll go back to it for the
3 significance of that being your view at the time later
4 on, but thank you very much for that. That clarifies
5 things and stops me having to go to quite a bit of other
6 evidence I might have had to.

7 I wonder if we may start in this way, and that's to
8 get clear, firstly, where all this happens --

9 A. Yes.

10 Q. -- on the site. And Dr Mirakhur was trying to help
11 yesterday by reference to a plan. Given that you were
12 operating in the State Pathology Department, it might be
13 that you can assist us better with the layout of things,
14 and I think it's 300-003-003. Maybe if we can pull that
15 up. There we are.

16 If you take a little bit of time to orientate
17 yourself. The Children's Hospital, as was, is what's
18 marked out in red.

19 A. Yes.

20 Q. If you work your way towards the bottom right-hand side,
21 you'll see a laboratory, a building that's labelled
22 "laboratories".

23 A. Yes.

24 Q. "Services", "medical records", and to the right, you'll
25 see "mortuary and state mortuary", and then if you go up

1 north a bit, past through the "School of Dentistry",
2 over the road, by the car park, there's another little
3 building called "mortuary", which I must say I hadn't
4 noticed yesterday, and then there's the haematology
5 labs.

6 A. Yes.

7 Q. So bearing in mind that sort of orientation, can you
8 help us with where you were based and where the mortuary
9 was that you used for Adam?

10 A. Yes, I can. It's the "mortuary and state mortuary".
11 That was the State Pathologist's Department.

12 Q. Actually on that site?

13 A. On that site.

14 Q. And does that mean your offices were adjacent to or next
15 to the mortuary itself?

16 A. The mortuary's actually physically in the same building.
17 We were upstairs, the mortuary is downstairs.

18 Q. Thank you very much. I think it's the Regional
19 Neurological Centre or the Neurological Department;
20 where was that?

21 A. This is where I think is map is inaccurate because where
22 it says "car park" --

23 Q. Hang on, which one?

24 A. Okay. You leave the State Pathology Department and walk
25 north past the School of Dentistry, you cross that main

1 road, you walked up a few steps and there was the
2 building with lecture theatres and all of the
3 histopathology and neuropathology department.

4 Q. Just close to where the haematology labs are?

5 A. A bit further down because the mortuary that's put in
6 there that you have highlighted, the old mortuary, was
7 just a bit behind us and to the right. So that first
8 car park adjacent to the road, that's where
9 histopathology and neuropathology was.

10 Q. Okay.

11 THE CHAIRMAN: Is that collectively known as the Institute
12 of Pathology?

13 A. It is indeed, yes.

14 MS ANYADIKE-DANES: So if you had wanted to go and meet
15 Dr Mirakhur or Dr O'Hara, is that where you're going?

16 A. Absolutely, yes. They are all there.

17 Q. And if they're carrying out their own hospital
18 post-mortems, are they carrying them out, effectively,
19 in your building, in that mortuary?

20 A. They are indeed, yes.

21 Q. Thank you very much.

22 A. I can't remember when the old mortuary was defunct, but
23 we did use it in my earlier time there. I can't
24 remember the exact date, but in 1995 there were no
25 post-mortems performed in the old mortuary; they were

1 all on our site.

2 Q. Thank you. Thank you very much. Now that you have
3 introduced when you came and how long you might have
4 been there, let's go to your resume. That is reference
5 306-071-001.

6 You started off in Belfast and then went to Leeds.

7 A. That's correct.

8 Q. Was that for greater specialisation?

9 A. It was and it was for career progression.

10 Q. You were there, therefore, for about three years?

11 A. That's correct: just a little short of three years.

12 Q. And apart from conducting or carrying out research, did
13 you actually act as a pathologist?

14 A. Oh, I did. I did one year of research whilst I was
15 there into -- it was lymphoreticular pathology, which is
16 my sub-specialty in my NHS job, but I was on the
17 Yorkshire Regional Training Scheme for the rest of the
18 time where I was a trainee pathologist in Bradford,
19 St. James's Hospital, Leeds General Infirmary and
20 Huddersfield, where I was a trainee histopathologist.
21 So I did post-mortems and diagnostic work down the
22 microscope.

23 Q. And just for a point of comparison, you'd have been
24 doing those right up to the early part of 1993, when you
25 came over to Belfast; is that right?

1 A. That's correct.

2 Q. And when you were doing those, would you produce your
3 own reports I take it?

4 A. That's correct.

5 Q. You heard Dr Squier say that in her unit -- and she's
6 always been at the John Radcliffe, really -- they would
7 not allow anybody who wasn't a consultant to have their
8 name solely on a report; they would seem to give them
9 the cover of a consultant's signature, if I can put it
10 that way.

11 A. Yes.

12 Q. Can you help us with whether that worked at other places
13 where you have carried out autopsies?

14 A. This is where I do find it difficult to remember because
15 it is so far back. I cannot recollect a consultant
16 countersigning my report as a trainee. You did
17 post-mortems and you were asked to present your findings
18 to a consultant afterwards. They would assess whether
19 they thought you were competent or you had got the
20 findings and, if they were happy with you, you would
21 progress and do autopsies. I cannot recall a consultant
22 ever countersigning --

23 Q. But there would be that exchange with a consultant in
24 any event?

25 A. Yes, there would be. Yes.

1 Q. I understand that.

2 A. Particularly prior to the membership. I didn't have the
3 membership --

4 Q. No, I understand that also. In fact, you gained your
5 membership in 1992.

6 A. I did, yes.

7 Q. So that would be the, just the year before you came to
8 Belfast. So you'd have done some of those autopsies as
9 a member?

10 A. Yes, that's correct.

11 Q. Okay. Then let's come to when you come to Belfast. You
12 come in 1993. It may be that you can help us here with
13 how things worked, how they were set up, if I can put it
14 that way. You came straight to the State Pathologist's
15 Department.

16 A. Yes.

17 Q. There may have been changes -- and do tell us if there
18 were -- between 1993 and 1995, but what I'm trying to
19 get you to explain is what the structure was. Can you
20 help us with that?

21 A. Yes. In 1993, we were actually on the old site.
22 We were with the histopathology colleagues in the
23 Institute of Pathology, we hadn't moved to the new
24 building. There were three consultant members of staff,
25 there was the head of department, who was not quite

1 professor yet, Dr Jack Crane in 1993. There was
2 Dr Derek Carson and Dr John Press. There was also
3 another trainee, who had more years of experience than
4 me, but who had not passed the membership, that was
5 Dr Alan Cromie, and he was a trainee forensic
6 pathologist.

7 Q. Pause there so we get the terminology right. Up until
8 you actually achieve your consultancy, are you strictly
9 a trainee?

10 A. If you have the membership, it is recognised that you
11 could well perform the functions of a consultant in that
12 area. So that area would be routine coronial autopsies.
13 However, I would need more training as a forensic
14 pathologist to be able to carry out autopsies on
15 homicidal deaths. That's where the extra training is
16 for homicide.

17 Q. Is that what you were staying on in Belfast to achieve
18 that?

19 A. That's correct. I wanted to become a forensic
20 pathologist and I needed training in homicides and
21 that's why I was there.

22 Q. Thank you very much. I interrupted you. You were then
23 saying who the pathologists were and what was the
24 structure.

25 A. That was the structure.

1 Q. Okay. I will come back to other parts of the structure,
2 but if we then see how it works in terms of the
3 different types of autopsies. You will have read
4 Professor Lucas' report, you heard the evidence -- some
5 part of Dr Mirakhur's and certainly Dr Squier's.

6 A. Yes.

7 Q. And they were essentially referring to three types of
8 autopsies, I think. A hospital one, where you're
9 actually trying to learn something, and the clinicians
10 become very much involved in that because that's part of
11 what they want to do.

12 A. Yes.

13 Q. A coronial one.

14 A. Yes.

15 Q. And a Home Office one, if you like?

16 A. Yes.

17 Q. I wonder if we can call this up and see if this helps
18 for how things happened in Northern Ireland. It is the
19 report on the State Pathologist's Department, the
20 consultation document for January 2003, but it has
21 a sort of retrospective bit. 306-074-007. If you look
22 at that third paragraph under section 2.3, which starts:

23 "Unlike the situation in England and Wales ..."

24 Can we see whether, so far as you're concerned --
25 that is certainly dealing with how things were in

1 2003 -- whether that represents what was happening in
2 1995 when you were there because they make a distinction
3 between what the State Pathology Department pathologists
4 do in Northern Ireland and what they do in England and
5 Wales. Do you see what I mean?

6 A. Yes, that's accurate.

7 Q. So in Northern Ireland, you wouldn't have the hospital
8 pathologists -- say for example, Dr O'Hara or Dr Herron,
9 maybe -- carry out coroners' post-mortem, you would
10 bring in somebody from the State Pathology Department?

11 A. Actually, they could because they were on the Royal site
12 or the City site. Anywhere else in Northern Ireland --
13 Craigavon, Altnagelvin, Omagh -- no hospital pathologist
14 would carry out a coronial autopsy; the State
15 Pathologist's Department carried those out. However,
16 in the Royal, and the City, there was some discretion.
17 Where the line was, I can't really remember, but if
18 there was going to be an issue of independence --
19 particularly if it's a perioperative death -- they would
20 refer the case to the State Pathologist's Department.

21 Q. I'm just looking at that final rather last two
22 sentences:

23 "Pathologists within these hospitals [that's the
24 Royal Victoria Hospital and Belfast City Hospital] are
25 cited on the approved coroner's list and will therefore

1 undertake routine coroner's cases that occur in these
2 hospitals unless the death has occurred in Accident &
3 Emergency or is in some way suspicious or [and this
4 I think is what you're talking about] where an
5 allegation of medical negligence is made. In such
6 circumstances, the neutrality of the State Pathologist's
7 Department is required."

8 A. That's correct.

9 Q. Even though the allegation of medical negligence hasn't
10 yet been made -- maybe you don't have the information to
11 be able to reach such a conclusion -- but there is
12 a concern about the involvement of a clinician or
13 a number of clinicians. Could it also be in those
14 circumstances that the hospital would itself say, "Look,
15 let's just bring in somebody from the State
16 Pathologist's Department. They're independent and they
17 can carry out the autopsy"?

18 A. Yes, or sometimes the coroner, Mr Leckey, would insist
19 on it.

20 Q. I suppose if it's a coroner's inquest, it would be more
21 likely to be him that would be doing that?

22 A. Yes.

23 Q. Okay. That's helpful. I wonder if, while we're on that
24 document, if we could go through a few more parts of it
25 to see whether this has gone past what the practice was

1 in 1995 or represents it. If perhaps we were to go to
2 306-074-012. That's a section called "3.4, paediatric
3 and high risk cases".

4 A. Yes.

5 Q. And it says:

6 "Since late 2001, all paediatric cases are conducted
7 jointly between a pathologist from the SPD [that's the
8 State Pathologist's Department] and a paediatric
9 pathologist from the Royal Victoria Hospital. All
10 paediatric cases are dealt with at the Royal Victoria
11 Hospital."

12 And then it goes on to talk about things that don't
13 really concern us. It describes that as being the
14 practice since 2001, but did it not sometimes occur even
15 before that that you would have the involvement of
16 a paediatric pathologist?

17 A. I can only answer for the time that I was in the
18 department, so that is up to 31 December 1996. Any
19 paediatric case which involved the sudden unexpected
20 death of a child at home -- not in the hospital
21 environment -- it was done solely by us, the State
22 Pathologist's Department and I cannot say when joint
23 autopsies came into being because I left the department
24 in 1996.

25 Q. If you had an unexpected paediatric death in hospital,

1 did you not sometimes involve a paediatric pathologist?

2 A. No, not in my time in the department, no.

3 Q. Well, might the coroner ask for it? Because

4 Professor Berry was a paediatric pathologist and he

5 became involved in Adam's autopsy.

6 A. Yes.

7 Q. So might it happen like that?

8 A. I think, just referring to Adam's case, I think the main

9 thing was independence, the independence of opinion. So

10 as far as I can remember, back in 1995, there was only

11 one paediatric pathologist in the department, which was

12 Dr O'Hara. So they were employed by the same trust, and

13 that would be within Northern Ireland. There is no

14 other paediatric pathologist.

15 Q. So if you wanted some paediatric expertise and you

16 were -- "concerned" may be a little bit strong -- but

17 you knew that clinicians had been involved in the death

18 in some shape or form, so you wanted to bring some

19 objectivity and independence to it, that might be

20 a circumstance where the coroner would seek somebody

21 from outside the region?

22 A. Yes.

23 Q. As he did with Professor Berry?

24 A. Yes, but whether he would actually -- this is back

25 in that time.

1 Q. I understand.

2 A. -- call a paediatric pathologist from the mainland to
3 come over to do the autopsy, I don't know if he would do
4 that.

5 Q. So what he might do is simply have the involvement for
6 certain discrete areas of it to provide an opinion on
7 this or to view the slides on that?

8 A. That's correct.

9 Q. Which is actually what Professor Berry was asked to do.
10 He was asked to look at slides.

11 A. Indeed.

12 Q. Yes. Then I wonder if we can look at 306-074-011. This
13 lists out the mortuaries where all this was taking
14 place. Unfortunately, this only really deals with 1996
15 to 2001. But if you work your way down on the
16 right-hand side, which literally has the locations of
17 the mortuaries, you'll see "Royal Victoria Hospital",
18 you'll see "Forster Green". In 1996, so I don't know
19 whether this takes in some part of 1995, but in any
20 event, there were 55 done at the Royal Victoria Hospital
21 and there were 686 done in Foster Green. In fact, if
22 you look all along, Forster Green does seem to be the
23 main mortuary; is that correct?

24 A. That's correct. Forster Green is known as the public
25 mortuary, so as you can appreciate, most of our deaths

1 are sudden and unexpected. In other words, somebody who
2 collapses and dies in the street. If it's in the
3 jurisdiction of Belfast, the body would have been taken
4 to Forster Green, not to a hospital.

5 Q. I understand. So the fact that so many autopsies took
6 place in Forster Green doesn't have any bearing on this
7 particular one happening in the hospital because Adam
8 died in the hospital and it would be more usual for his
9 autopsy to take place in the hospital?

10 A. Absolutely.

11 Q. Would there be any circumstances in which --

12 THE CHAIRMAN: Sorry. Just be careful about the language.
13 When you said it'd be more usual for Adam's autopsy to
14 take place in the hospital, it's not quite in the
15 hospital, it's on the general site of the Royal
16 hospital, but that includes an area which is the State
17 Pathologist's Department.

18 A. But the mortuary of the Royal Victoria Hospital is
19 housed in that building, yes.

20 THE CHAIRMAN: Okay.

21 MS ANYADIKE-DANES: So that's a shared mortuary? It's not
22 a mortuary that is the State Pathologist's Department's
23 mortuary?

24 A. It is not. Their mortuary is at Forster Green.

25 Q. Thank you. Would there be any circumstances in which

1 you would seek to have the autopsy of somebody who had
2 died at a hospital carried out not at the mortuary on
3 the Royal Victoria site, but at Forster Green?

4 A. Only if the facilities were inadequate.

5 Q. So there would be no reason for -- none of your
6 independence points that you put that would take you to
7 Forster Green?

8 A. No, none.

9 Q. Thank you. I wonder if we can turn also to the
10 guidance. Yesterday, you would have heard when I was
11 taking Dr Squier through her evidence, that there was
12 1993 guidance --

13 A. Yes.

14 Q. -- for pathologists, and then she also attached to her
15 second report 2002 guidance, which took over the 1993.
16 It's that guidance I would like to take you to because
17 it's more full.

18 A. Yes.

19 Q. And it sort of takes up the position from 1993. If you
20 can help us with how much of that was likely to have
21 been applicable or you believe was applicable in 1995.
22 I mean in practice, obviously, not the guideline, it
23 didn't exist yet. So where to go is 206-004-070.

24 Just so that you orientate yourself, that is what
25 I'm talking about. Are you familiar with that?

1 A. I am indeed, yes.

2 Q. Thank you. There are just a few sections I would like
3 to take you to.

4 If we go to paragraph 4.4.2, which is to be found at
5 206-004-079. This is a part of one of the sections that
6 we pulled up yesterday:

7 "Where it's thought desirable the pathologist
8 performing the autopsy should not be a trust colleague
9 of the clinicians involved, there may be a conflict of
10 interest ... a choice is to be made ... an outside
11 independent pathologist possessing appropriate skills
12 may come to the hospital."

13 And so forth. Am I right in understanding that that
14 issue had been resolved in Northern Ireland by the fact
15 that it's pathologists from the State Pathology
16 Department who carry that out?

17 A. Absolutely because on the mainland, it is a doctor from
18 another trust who travels to the mortuary. But in
19 Northern Ireland it would be the State Pathologist's
20 Department for the independent view.

21 Q. Therefore, the only independence point would be -- well,
22 maybe you can help us. Does the independence point then
23 turn into maintaining your independence in your
24 discussions with the clinicians?

25 A. Sorry? Could you ask me that again?

1 Q. This issue is all talking about independence and making
2 sure there's no conflict of interest. Then, for you,
3 that turns into making sure that you have an appropriate
4 distance and independence of thought from the
5 information you're getting from the clinicians.

6 A. Yes. I have independence of thought in any event, but
7 it is how it is seen. I'm employed by the State
8 Pathologist's Department; I am not employed by the Royal
9 Victoria Hospital trust. So if anybody was to
10 say: you have been pressurised to say X,Y, Z because
11 you are employed by the same trust as this doctor, it is
12 to be seen that I'm employed by somebody else and that
13 pressure could never be brought to bear. Not that
14 it would in any event.

15 Q. I understand that. But do you still not have to be
16 careful about your interactions with them?

17 A. Oh absolutely, but to carry out an autopsy, particularly
18 on a perioperative death, it is imperative that you talk
19 to the clinicians. You can't do it, really, without
20 them. The only times I haven't talked to the clinicians
21 are from the outset and these are cases on the mainland
22 where the police are investigating for medical
23 negligence and gross medical negligence and manslaughter
24 and I'm told I cannot speak to them, but this is what
25 they have said and they have it in writing for me, but

1 I can't speak to them.

2 Q. Thank you. That's very helpful. Now that you mention
3 it in that way, there's something I would like to take
4 you to so that we clear up how it arises. There is
5 a memo that I think you will have seen from the coroner.
6 Let me give you the reference. It's 011-025-125. We'll
7 probably come to this in a little while about other
8 things, but just on that point that you raise, to
9 orientate you, this is a memo that the coroner has made
10 on that date and it actually covers a number of dates.
11 Probably as early as 28 November. Certainly the 29th
12 and the 1st, and, of course, the 8th itself.

13 A. Yes.

14 Q. Why I ask you this is, if you go to the bottom
15 paragraph, almost halfway down it says -- and I think
16 this is a discussion with you.

17 A. Yes.

18 Q. "She said that if one excludes the problem with the
19 anaesthesia [which is obviously something you're looking
20 into] and if one excludes a problem with the anaesthetic
21 equipment [which is another thing that people are
22 looking into], then that leaves the 'Beverley Allitt'
23 scenario."

24 A. Yes.

25 Q. The Beverley Allitt scenario is an intentional causing

1 of death.

2 A. Absolutely.

3 Q. Who raised that as a possibility?

4 A. I cannot recall, but I do remember discussing this
5 case -- it would have been the next day because
6 I carried the autopsy out in the afternoon. So I would
7 have discussed the case the next day with my colleagues
8 in the department. I do know for a fact I discussed it
9 with Dr Derek Carson and Alan Cromie was also there.
10 What I can't quite remember is if John Press was there
11 or not, although I think he was there. The only person
12 who wasn't there was Professor Jack Crane. We had this
13 discussion and they said that I must ensure there's
14 nothing wrong with the anaesthetic equipment. It's not
15 good enough to have it just tested by the, you know, the
16 trust, it has to be done independently. And I can't
17 remember who raised the deliberate malevolent act, but
18 it would have been raised at that point.

19 Not that I thought there was a deliberate malevolent
20 act because if I was, I would have been on the phone to
21 the coroner straightaway. And although I can't really
22 recall, I am pretty sure Derek Carson would have said,
23 "Alison, why don't you go and discuss it with Dennis
24 [Dr Denis O'Hara, he's a paediatric pathologist] and see
25 what he thinks". And I think I would have gone that

1 morning to see Dr O'Hara.

2 I think Dr Bharucha just happened to be in the room.

3 I didn't go to see both of them; I went to see

4 Dr O'Hara. And as far as I can recall -- although

5 I have very little recollection of the event -- they

6 said the same thing: you've got to check the anaesthetic

7 equipment and make sure it's not ischaemia, hypoxia.

8 That's what you have to do.

9 Q. What you have in your mind then is the care with which

10 you have to approach this --

11 A. Absolutely.

12 Q. -- because there could be all sorts of reasons why the

13 brain swelling, if we call it neutrally that, has

14 happened?

15 A. Absolutely, and I was a long way down the line of

16 a trained forensic pathologist at this stage, and we do

17 think differently. And we do think -- I mean, it's

18 a terrible thing, Beverley Allitt was a terrible thing,

19 but we do think in that way.

20 Q. And does that impose a kind of care with how you

21 approach the information that's given to you by the

22 clinicians who are directly involved?

23 A. Absolutely. But for the most part, in my experience,

24 clinicians are honest --

25 Q. Yes.

1 A. -- individuals.

2 Q. Yes, they're not trying to harm their patients.

3 A. No.

4 Q. It's a consideration that you had in your mind?

5 A. Yes, after discussion with my colleagues, yes.

6 Q. Okay. Sorry, just before you raised that, we were at
7 206-004-079. Then I wondered if we could then go to the
8 next page, 080 and, at 4.6.3, it talks about the depth
9 of the analysis, including the use of histology.

10 A. Yes.

11 Q. And in this report, it talks about how that needs to be
12 agreed formally between the coroner and the pathologist.
13 What I'm asking you is, in 1995, to what extent did you
14 have these discussions with the coroner to get a steer
15 as to the scope that he wanted you, if it worked that
16 way, to cover in terms of your autopsy?

17 A. You mean regarding how much histology should be taken?

18 Q. Yes.

19 A. None. It was very different in 1995. I appreciate that
20 Bristol and Alder Hey had a massive impact on how
21 pathologists worked and you cannot take -- my hospital
22 colleagues cannot take histology from a coronial autopsy
23 any more unless they have the agreement of the coroner.
24 Back then, no such agreement was required. We would
25 just take the histology that we thought was relevant and

1 needed. We didn't seek anybody's permission.

2 Q. Did you have any sort of discussion with the coroner as
3 to -- maybe I phrased it badly when I said "the scope of
4 it" -- exactly what he wanted you to look at and in what
5 depth he wanted you to look at anything? Did you have
6 any sort of preliminary discussion with the coroner of
7 that nature?

8 A. I do recall discussing the case with Mr Leckey, but
9 I cannot recall the subject matter of the conversation
10 other than what you have highlighted to me because
11 I must have said something like that. I cannot recall
12 any such conversation regarding the depth or the scope
13 with the coroner. I cannot recall.

14 THE CHAIRMAN: In other words, then, this paragraph comes
15 about because of Bristol and Alder Hey?

16 A. That's my view, Mr Chairman, yes.

17 MS ANYADIKE-DANES: Well, on that point, if we go back to
18 Mr Leckey's note of 011-025-125 -- because this may help
19 actually in how the thing came about. There we are. If
20 we're in that first paragraph, this is now Mr Leckey
21 recalling his conversation --

22 A. Yes.

23 Q. -- if I can put it that way.

24 A. Yes.

25 Q. He's saying that Dr Maurice Savage reports the death to

1 him and the death was totally unexpected.

2 A. Yes.

3 Q. And he recites the problem. This is Mr Leckey's own
4 record of it, so I'm not saying this is verbatim:

5 "In the course of the operation, nothing appeared on
6 the anaesthetic monitor to indicate anything was wrong
7 ... surgery completed ... unfortunately that's when they
8 realised there was a problem."

9 Then Mr Leckey says:

10 "I said there would have to be a post-mortem
11 examination."

12 And then there's a little issue as to whether Adam's
13 organs can be used and released for transplant purposes.

14 Then the way it comes in is that Mr Leckey then says
15 that he speaks to Professor Crane --

16 A. Yes.

17 Q. -- to see whether that will present an impediment to the
18 autopsy that's going to be carried out, I presume. And
19 Professor Crane takes a view that actually he feels that
20 all the organs ought to be retained, which is pretty
21 much along the lines of the point that Professor Lucas
22 was saying in his report, that in their unit they would
23 have retained the heart, for example. But anyway,
24 that's what Professor Crane's initial view is and they
25 subsequently think it can be released for the heart

1 valves and that's discussed with Professor Crane. Then
2 immediately after that, it says:
3 "The post-mortem was carried out the following day
4 by Alison Armour."
5 A. Yes.
6 Q. One way of reading that is that the communication about
7 the post-mortem is all with Professor Crane --
8 A. Yes.
9 Q. -- and Professor Crane is then going to allocate someone
10 in his team to do it.
11 A. That is correct.
12 Q. Is that what happened?
13 A. Yes. Can I comment on the organs for transplantation?
14 Q. Yes. Of course.
15 A. To transplant organs that are required for the living,
16 the person still needs to be on the ventilator.
17 Q. I understand that.
18 A. I think the ventilator was turned off. In other words
19 the only chance that anything from Adam Strain could be
20 harvested in this case was the heart valves. You
21 couldn't have taken the lungs, the liver, the kidneys,
22 because the child was dead.
23 Q. So --
24 A. So the only possible organ for transplantation was the
25 heart and it was the heart valves. And back in 1995,

1 the entire heart was taken. I know the practice has
2 changed since -- you can just take the heart valves
3 now -- but in 1995 the whole heart was taken.

4 Q. If you're going to do that, do you have any chance as
5 a pathologist to examine that heart?

6 A. Absolutely.

7 Q. So it can be done?

8 A. Yes, and it looked normal. Adam Strain's heart looked
9 normal, yes.

10 Q. Okay. Although it seemed to be slightly heavy or large?

11 A. I disagree. For the height and the weight of the child,
12 I thought that was normal.

13 Q. I understand. Had you not thought that, would you have
14 recorded that?

15 A. I would have, absolutely, yes.

16 Q. Thank you very much. So in any event, the way you were
17 brought into this, if I can put it that way, is that the
18 initial communication is with Professor Crane?

19 A. Yes.

20 Q. And Professor Crane then allocates amongst his
21 pathologists; is that right?

22 A. Yes. I can tell you the workings of the department.

23 Q. Yes, please.

24 A. The cases would come in all day, the secretaries will
25 take down the details of the case, and it's usually

1 a police officer or it might be a coroner's officer
2 phoning in, but usually a police officer. They give the
3 name of the deceased, they give the date of birth of the
4 deceased, they give the date of the death and they give
5 a very brief summary, like "history of ischaemic heart
6 disease, found dead, collapsed in street". So there's
7 a very brief history. The cases are then allocated at
8 10 am. We would all have coffee in the tea room and it
9 was usual that Professor Crane would allocate the cases.
10 If he was not there, Dr Derek Carson would allocate them
11 and if he was not there, Dr John Press would allocate
12 them.

13 Q. Do you know on that occasion whether Professor Crane was
14 a person who allocated them?

15 A. I knew you were going to ask me that. I cannot
16 recollect, but I think it was Professor Crane.

17 THE CHAIRMAN: Is that because he was normally there to do
18 it?

19 A. Because he was normally there to do it, yes.

20 THE CHAIRMAN: So the probabilities are that he was there,
21 but you can't specifically remember?

22 A. Yes, the probability was that it was Professor Crane.

23 MS ANYADIKE-DANES: And when they're being allocated, on
24 what basis are they allocated?

25 A. I don't really know. Maybe Professor Crane could answer

1 it. I don't know. He would look at the cases and he
2 would say, "Here's one for you, Alison, this is
3 a suitable one for you", and then he would say, "Derek,
4 there's this one up in Altnagelvin, would you mind doing
5 Altnagelvin?" I don't know, he would just allocate
6 them.

7 Q. This is a question for him, but in case you know the
8 answer, since he's selecting the pathologists to do it,
9 if at that stage he feels that that pathologist may need
10 some assistance because you had referred to there being
11 a trainee there, that's the time to be able to make that
12 arrangement, I presume?

13 A. Yes, and to be honest, the perioperative deaths,
14 although if you want to call them ... The hospital
15 coroners tended to be done by myself and Dr Cromie. We
16 tended --

17 Q. And, sorry?

18 A. And Dr Cromie, Alan Cromie. Myself and Alan tended to
19 do the perioperative coronial deaths that occurred in
20 hospital.

21 Q. So given that that's what this was, it was pretty
22 standard that you would get it unless you were otherwise
23 involved in something?

24 A. There was nothing unusual.

25 Q. When they are allocated, you have also made reference to

1 some discussions that you had with your colleagues. How
2 much discussion typically is there between you all about
3 the cases that you are engaged in?

4 A. At the time that they are allocated?

5 Q. No, no, when you're doing them or in the midst of doing
6 them, if I can put it that way.

7 A. I would regularly discuss my cases with my senior
8 colleagues and with Alan. He had a wealth of medical
9 knowledge. And I would regularly discuss them, but
10 it would be on an informal basis. I would just go to
11 Derek and say, "Can I discuss this case with you? What
12 do you think of this?", and the same with John Press and
13 the same with Alan.

14 Q. Thank you. But that kind of discussion, just so that
15 we're clear on it, is a different thing from deciding,
16 "Maybe I'll just go and speak to Dr Mirakhur about
17 something or show her some slides".

18 A. I don't want to say it happened daily, but it's part of
19 my professional life, yes.

20 Q. Now that you mention the report that comes in and maybe
21 is the basis upon which the allocation is made, if
22 I pull this up and tell me if this is the sort of
23 thing: 011-022-122. This is the report of, I think it's
24 Constable Tester, actually, to the coroner, but I'm
25 looking at the medical history. Do you see that

1 description of the history and the circumstances?

2 A. "Has had a kidney complaint since birth and has
3 undergone urological surgeries. Was ..."

4 I can't read the next word.

5 THE CHAIRMAN: "Nourished"?

6 A. Yes.

7 MS ANYADIKE-DANES: "Was nourished by means of a gastrostomy
8 tube. No solid food. Had had a kidney transplant on
9 the 27th. Failed to breathe for himself after surgery.
10 Suspected that his brain had swollen, acute cerebral
11 edema."

12 Maybe not the "acute cerebral edema", but is that
13 the sort of information that you would get?

14 A. Absolutely. That looks like the piece of paper that the
15 secretaries would take the information down on, yes.

16 Q. Would you have something like acute cerebral oedema,
17 even at that stage?

18 A. This is very good. Some of the histories we got were so
19 short, it was unbelievable, and for such a complicated
20 medical case, even though it's a very short synopsis,
21 it is very good and the "acute cerebral edema", it does
22 look like it's written by somebody who's not medically
23 qualified as it is E-D-E-M-A. Yes, it was there right
24 at the start.

25 Q. Thank you very much. Then just because I'm trying to

1 find out what's guiding you at this time, if we go to --
2 we were at 080. If we can go on to 083. This is
3 a section that starts with "audit".

4 A. Yes.

5 Q. And the whole of section 5 is actually dealing with
6 audit, but if we go to 083, these are a series of
7 recommendations in relation to the audit of autopsy and
8 clinical practice.

9 A. Yes.

10 Q. Again, if you can help us with which, if any, of these
11 represented practice in 1995.

12 A. Yes.

13 Q. If for example we look at 5.5.6, discussions with
14 the coroner on the issues of clinical governance are
15 required. I think that's the point you were making.

16 A. Yes.

17 Q. "Current advice to coroners, legislation and case law
18 favour advanced disclosure of autopsy findings to
19 interested parties and coroners should be encouraged to
20 agree to the use of their autopsy reports in clinical
21 audits."

22 The use of those in clinical audits, albeit that
23 clinical audits may in themselves be at a rather early
24 stage in 1995, but that kind of sharing of information,
25 if I can put it that way, did that happen in 1995?

1 A. That's what I'm really not sure about because I do know
2 many of the clinicians did want to know why a person
3 died. But they were not allowed access to the autopsy
4 report. And I'm speak generally. I'm not speaking
5 about Northern Ireland in particular and I do know it
6 was in existence on the mainland and some coroners are
7 very strict and they do not release the autopsy report
8 until the inquest. Clinicians find this very difficult
9 because they do want to know why the person has died for
10 training, learning, and they find it very difficult.
11 I just can't remember how it was in Northern Ireland in
12 1995.

13 Q. Okay. Then if we go to 5.5.7, this is:

14 "All autopsies should be performed by consultants or
15 trainees under consultant supervision. Trainees with
16 insufficient autopsy experience must not be left
17 unsupported to perform difficult cases."

18 It's difficult to disagree with the second sentence,
19 but in terms of the first sentence, I think you were
20 describing a slightly different scenario --

21 A. I am.

22 Q. -- whereby you could be treated as a consultant --

23 A. Absolutely.

24 Q. -- if you were qualified to be one?

25 A. Yes.

1 Q. If I can put it that way.

2 A. Yes.

3 Q. And if one were to augment that paragraph with that bit,
4 does that paragraph represent what was happening in
5 Northern Ireland in 1995?

6 A. It was both myself and Alan Cromie who carried out
7 autopsies with no supervision.

8 Q. But because you were at that level?

9 A. Absolutely.

10 Q. If you hadn't been at that level, would you have
11 required some sort of supervision from your line manager
12 or a more senior colleague?

13 A. Are you talking about if I was in the forensic pathology
14 department?

15 Q. Yes.

16 A. To be honest, I don't think I would have applied for
17 a job at such a junior level to go into the State
18 Pathologist's Department where I'm looking for specific
19 training on homicide. I would have gone and got my
20 training elsewhere.

21 Q. I understand. So in other words, that actually didn't
22 really apply --

23 A. No.

24 Q. -- to the pathology department at that stage because
25 everybody in it had that level of expertise?

1 A. That's correct.

2 Q. Thank you. Then if we look at 5.5.9, which is one that
3 I think your counsel pulled up yesterday:

4 "If the case involves a perioperative or
5 peri-intervention death, it is often advantageous to
6 have the operator/surgeon/whomsoever assist in the
7 autopsy dissection. Clarification and documentation of
8 the often complex procedures and morbid anatomical
9 results is more important than any potential conflict of
10 interest if an adverse clinical event is thereby
11 recognised."

12 In other words, if they can help you recognise
13 something you might not already see. Does that
14 represent what would have happened in Northern Ireland
15 at 1995?

16 A. To have a surgeon come down to the mortuary and assist
17 in dissection?

18 Q. Or have the clinician in some way involved?

19 A. For the clinician to come down? Yes, clinicians did
20 come down -- I know they did -- and relay information to
21 me.

22 Q. Literally as you were performing your autopsy, discuss
23 what you were seeing or looking at?

24 A. That was a bit difficult for some of them because they
25 had cared for the patient in life and some of them found

1 it incredibly difficult. They would come down and say,
2 "Alison, there's this, this, and this, I cared for this
3 man during life and I can't bear to watch it, so I'm
4 going". That was with most really. Any clinician was
5 welcome to stay and watch the entire autopsy. It's not
6 a problem. But most chose not to.

7 Q. Apart from their own learning, to learn better what had
8 happened, if they stayed, were they able to help you?

9 A. This is where I'm trying to remember people staying.
10 That's very difficult, trying to remember people
11 staying.

12 Q. No, no, if you can't, that's fine. It's a long time ago
13 and an awful lot of autopsies have passed, I'm sure.

14 THE CHAIRMAN: I presume it also varied from case to case
15 and doctor to doctor.

16 A. It definitely did, Mr Chairman, yes.

17 MS ANYADIKE-DANES: If we just look then at the one
18 immediately below that, 5.5.10:

19 "If evidence of an adverse clinical event is
20 identified during the autopsy involving intravenous
21 lines misplaced or something of that sort and it is
22 considered to be a significant factor in a death, the
23 relevant clinician should be invited to come."

24 As it happened, Dr Savage was there, we understand.
25 I think he was Professor Savage then. Can you recall if

1 Dr Taylor was there or you simply had discussions with
2 him?

3 A. Firstly, I cannot recall Professor Savage being there,
4 but evidently he was.

5 Q. Okay.

6 A. I cannot recall Dr Taylor being there, but I do recall
7 some sort of discussion. I can't remember if it was
8 before I started the autopsy, after the autopsy, either
9 that day or the following day, but I know I discussed
10 the case with Dr Taylor very early on. But I can't
11 remember the exact time, I'm sorry.

12 Q. No, no, that's all right. Under this audit part,
13 there's one final bit to draw your attention to and see
14 if you can help us with this. Over the page at 084,
15 this is 5.5.16. It talks about regular mortality
16 meetings with clinical directorates that include the
17 active participation of pathologists where autopsies
18 have been performed."

19 Leaving aside these recommendations, which have been
20 minuted and so forth, it says:

21 "The medical directors of hospitals should encourage
22 mortality meetings through clinical governance and
23 discrepancies between clinical and autopsy diagnoses
24 should be discussed openly at such meetings."

25 Presumably for furthering learning: "We thought

1 that, but this is what we found".

2 A. Yes.

3 Q. Did that happen in 1995?

4 A. Not to my recollection.

5 Q. Did anybody ever discuss the possibility that it might

6 happen?

7 A. I can't recall.

8 Q. Does it happen now where you are?

9 A. I'm a Home Office pathologist on the mainland and I only

10 do suspicious and homicidal deaths; I do not do routine

11 coronial autopsies, but I am aware there are mortality

12 and morbidity meetings within my trust.

13 THE CHAIRMAN: Let's just pause one moment. I just want to

14 clear up one ambiguity. This refers to "mortality

15 meetings, including the active participation of

16 pathologists".

17 A. Yes.

18 THE CHAIRMAN: You say that wasn't happening in 1995 in

19 Belfast.

20 A. I was never at a mortality meeting in Belfast.

21 THE CHAIRMAN: So if there were mortality meetings going on

22 in Belfast, it wasn't with the active input and presence

23 of pathologists?

24 A. From the State Pathologist's Department.

25 MS ANYADIKE-DANES: Exactly. I was just going to ask you

1 that. Could it be that they might have been doing that
2 but they involved their own pathologists who had been
3 conducting the -- actually no, they didn't conduct
4 hospital ones.

5 THE CHAIRMAN: It's a different autopsy.

6 MS ANYADIKE-DANES: Exactly.

7 A. Hospital pathologists in the Royal and the City did
8 carry out some coronial autopsies, they did. You saw
9 them, A&E, non-suspicious, non-litigious, they did. So
10 they may have, but I never attended a mortality or
11 morbidity meeting.

12 Q. But the State Pathologist's Department would be involved
13 in those where there was some suspicion or some
14 consideration that there was negligence involved?

15 A. Absolutely, yes.

16 Q. So they might have had meetings, but you weren't
17 involved in them, so if they were having meetings that
18 circled around the issue of medical negligence, so far
19 as you were concerned, you weren't aware that they had
20 those kind of meetings because you weren't invited to
21 involve yourself in them?

22 A. That's correct, yes.

23 Q. Okay. Can I put it to you this in way: given what
24 you were doing in Northern Ireland and what you were
25 seeing and learning from it, do you think even in 1995

1 that would have been a helpful development?

2 A. Absolutely.

3 Q. There's just a few more of these sections. I'm sorry to
4 take you through it in such detail, but it's very
5 helpful for us to see what the scene might have been in
6 1995.

7 A. Yes.

8 Q. If I can take you to 088, this section 7, which is
9 I think the last section I want to take you to. This is
10 really dealing with the autopsy examination.

11 A. Yes.

12 Q. If you can help us with that. The first thing that
13 I would like you to help us with is 7.4, which deals
14 intravenous IV lines and devices. It says:

15 "If the patient has died with tubes, IV lines,
16 cannulae, et cetera, inserted, the cadaver should come
17 to the mortuary for autopsy with all these medical
18 devices in situ."

19 Then it says:

20 "Nurses may wish to remove them [I presume for the
21 family's sake], but hospital clinical governance
22 guidelines must make clear those circumstances where
23 such medical devices must not be removed and specify
24 permissible means of facilitating viewing and preventing
25 dislodgement or leakage to minimise risks to health and

1 safety."

2 Cast yourself back to 1995: did the bodies come to

3 you with their lines in situ?

4 A. Yes, they did.

5 Q. Did Adam have his lines in situ?

6 A. I'm pretty sure he did, yes.

7 Q. The central venous line?

8 A. I can't remember if the central venous line was in situ

9 still. Um --

10 Q. We have a photograph of him, which you have probably

11 seen, which doesn't appear to disclose a line, but it

12 may be that I'm not good at spotting these things.

13 We'll pull it up in a minute. If it wasn't there, would

14 it have been helpful to you if it was there?

15 A. Yes. We would have said, at that time, "Please can you

16 leave the lines in?" But it didn't happen in every

17 case. I know it didn't.

18 THE CHAIRMAN: Can you think of a particular reason why this

19 line would not have stayed in place?

20 A. I can't, no.

21 MS ANYADIKE-DANES: Let's pull up 300-080-155. If he had

22 a line in, would you be able to see it?

23 A. On that photograph?

24 Q. Yes.

25 A. No.

1 Q. I'm sorry, it may be distressing, but if we go back
2 a photograph. Are you able to see a line?

3 A. No.

4 Q. From these photographs, you can't tell whether he did or
5 didn't?

6 A. No, I can't tell.

7 Q. If he did have it in, is it something that you would
8 record in your report?

9 A. Yes.

10 Q. I'm not sure that I recall seeing it in your report.

11 A. Neither do I, so it tends to suggest it was not there.

12 Q. Did I understand you to say that it would be useful if
13 it was in so that you could see exactly where it was and
14 what surrounded it, if I can put it that way?

15 A. Yes, and my recollection of the time, if anyone died
16 a perioperative death, we did say, the State
17 Pathologist's Department, did say, "Please can you leave
18 the lines in?", but that didn't always happen --

19 Q. No, I understand that --

20 A. -- in 1995.

21 Q. When you say that, "the State Pathologist's Department
22 says that", does that mean there are communications
23 between the State Pathologist's Department and the
24 hospital as to how they would like these things managed?

25 A. Yes. Yes, there was.

1 Q. Would that be as formal as a memo of some sort or did
2 you have meetings where that would be discussed?

3 A. I don't recall a memo and I don't recall meetings. It
4 probably would have been a verbal communication.

5 THE CHAIRMAN: From who to who? Dr Crane?

6 A. Professor Crane probably, yes, and maybe
7 George Murnaghan. Maybe that would be the line of
8 communication. It would have been to a senior
9 clinician, yes.

10 MS ANYADIKE-DANES: We'll just go quickly to your report on
11 autopsy. You have, I think, sought to identify what you
12 can still see.

13 A. Yes.

14 Q. If we go to 012/2, page 36. If you look just under
15 "abdomen", it says:

16 "A bladder catheter protruded from the lower end of
17 the left side of the abdomen and there was a further
18 drain in situ just at the level of pubic bone,
19 corresponding to the donor ureteric catheter."

20 So that looks as if you are recording what is still
21 there from these devices?

22 A. Yes, and further up on the chest, I have said there
23 were:

24 "... a number of bruised needle-puncture marks on
25 the right side corresponding to a subclavian line."

1 Q. Exactly.

2 A. So it seems to imply the subclavian line was not there.

3 Q. Yes, because if it had been there, that's exactly where
4 you would have put it.

5 A. I would have said, yes.

6 Q. I understand, thank you. Then there's -- if we go over
7 the page to 89 on "dissection", leaving aside 7.5.2,
8 which talks -- the final sentence -- about "best
9 examined with the appropriate clinician". Maybe not
10 leaving that aside. What does that mean when it says:
11 "The sites of complex recent surgery are best
12 examined with the appropriate clinician present."
13 Who do you understand in those circumstances to be
14 the appropriate clinician?

15 A. The person that put the lines in or the drains in --

16 Q. Surgeon?

17 A. -- or the surgeon. So an anaesthetist puts the
18 subclavian line in, the surgeon's going to be putting
19 the abdominal drains in. I presume the surgeon would be
20 putting a suprapubic catheter in, yes.

21 Q. Did you have any communication with Mr Keane?

22 A. I have no recollection of communicating with Mr Keane,
23 no.

24 Q. Did you have any discussions with Professor Savage?

25 A. I have no recollection.

1 Q. That's fine.

2 A. But I may have; I can't recollect.

3 Q. I understand. Then the paragraph immediately after that
4 talks about how all the major organs should be dissected
5 and so forth.

6 A. Yes.

7 Q. Then if one works down to the final sentence in that
8 paragraph, which is 7.5.3, it says:

9 "These organs should be separated and weighed. If
10 permitted and clinically relevant, fixation of the
11 intact brain followed by a detailed examination by
12 a neuropathologist produces a higher detection rate of
13 abnormalities."

14 Firstly, would you accept that?

15 A. Absolutely, yes.

16 Q. And in 1995, though, did the State Pathologist's
17 Department involve neuropathologists in the way that's
18 being described there?

19 A. No. In 1995 the forensic pathologists did their own
20 neuropathology.

21 Q. Is there a reason for that?

22 A. Because back then -- and it does sound a bit like
23 Lancelot Spratt -- forensic pathologists did receive
24 very good training for neuropathology. It was part of
25 our training process. And I don't want to say they

1 thought that they could do the job very well, but
2 that --

3 Q. But they did?

4 THE CHAIRMAN: But they did?

5 A. But they did, and it was only later, as some sort of
6 serious cases came along, where it was realised actually
7 you might need a neuropathologist, that the practice
8 changed. But in 1995, in the State Pathologist's
9 Department and on the mainland, forensic pathologists
10 did their own neuropathology. I think they only would
11 have ever sought advice from a neuropathologist for
12 something like dementia or a mitochondrial
13 abnormality -- something very, very rare -- but they
14 would not have asked for a neuropathologist in 1995 and
15 that was on the mainland as well. I think the practice
16 started to change maybe 1998, 1999, 2000. It was
17 starting to change then and it has very definitely
18 changed now.

19 Q. Because it becomes a point of learning?

20 A. Absolutely.

21 Q. What you produce actually is the starting point of the
22 lessons learned?

23 A. It is, and it's also the development of pathology.
24 Pathologists are now becoming more and more
25 sub-specialised. When I started -- just in my NHS job

1 for instance -- there wasn't really much
2 sub-specialisation. But now I specialise in
3 lymphoreticular pathology and I do very little of other
4 types of pathology and that's the way our sub-specialty
5 has progressed and it's also progressing in forensic
6 pathology. We would ask the opinion of a paediatric
7 pathologist.

8 Back in 1995, there were no joint autopsies with
9 paediatric pathologists and forensic pathologists, none.
10 So it is a progression and I think it is good, it's
11 a good practice.

12 Q. Just while you say that, actually you did go and seek
13 the opinion of Dr Mirakhur.

14 A. I did.

15 Q. Which may have put you slightly ahead of your time in
16 doing that. You did do that?

17 A. I did.

18 Q. You also recorded her name in the same way as you
19 recorded Professor Berry's name. You recorded her name
20 in your autopsy report.

21 A. Yes, I did.

22 Q. Can I ask why you did that?

23 A. Although, again, I cannot recollect the actual sequence
24 of events, I know I gave the slides of the brain and the
25 spinal cord to Dr Mirakhur. I didn't ask for a formal

1 opinion but I said, "I wonder if you would mind
2 [although I can't recall this, this is how I'm sure I'd
3 be] looking at these slides". I would tell her about
4 the case and I would say, "All I found was cerebral
5 oedema. I cannot see any ischaemic hypoxic change, but
6 this is quite a crucial part of the case and I wonder if
7 you would kindly look at the slides". And she agreed
8 to.

9 Q. Can we pause there a minute? What made you go to her?

10 A. I wanted a neuropathology opinion. I usually would have
11 gone to Professor Allen, so maybe Professor Allen wasn't
12 there that day and I went to Dr Mirakhur.

13 Q. And what did you expect that she would do?

14 A. I expected that she would look at the slides and that
15 she would tell me her view. What I can't quite recall
16 is if she looked at the photographs of the brain and
17 spinal cord as well. But I would have made her aware
18 that if she wanted to see photographs of the brain,
19 they're readily available. I would have made her aware
20 of whatever she needed to come to her opinion.

21 Q. There is a difference in the way that you solicited her
22 assistance --

23 A. That's correct.

24 Q. -- and the way that you solicited that of
25 Professor Berry. Because Professor Berry received a --

1 well, effectively a brief. He received a letter with
2 the medical notes and records. He recites at the
3 beginning of his report what he received -- sorry, just
4 so that we're clear. 011-029-151. This is your letter
5 to Professor Berry.

6 A. Yes.

7 Q. There in those five points, it's what you're providing
8 him with. So he has the medical notes and records.
9 Sorry, is that what that means?

10 "Copies of notes in this case."

11 Does it mean Adam's medical notes and records?

12 A. Yes.

13 Q. And then obviously when it says "the consultant
14 anaesthetist's report", what does that mean?

15 A. Yes. Um ... I don't know if that would have been
16 a report by Dr Taylor. I don't know if it would be
17 a report -- what date is it, 22nd? That's very early
18 on. Yes, a report by Dr Taylor. I don't know.

19 "Consultant paediatric nephrologist's report."

20 Q. You obviously had whatever it is, you have it.

21 A. Yes.

22 Q. So let me show you some documents that we have that were
23 forming the basis of the depositions to the coroner to
24 see if you can help with what you were sending him.
25 Let's, for example, pull up 011-001-001 because you also

1 say you sent a consultant paediatric nephrologist's
2 report. Here we are. This is a statement of
3 Maurice Savage.

4 A. Yes.

5 Q. If you go over the page to 002, there, you'll see it's
6 dated "28 November".

7 A. Yes.

8 Q. So, so long as that came into your hands at that time or
9 any time before 22 December, that would be available.

10 A. Yes.

11 Q. Is that what you're talking about?

12 A. It is. I'm pretty sure it is, yes.

13 Q. There is one, an equivalent of that for Dr Taylor, which
14 is 011-002-003, except it's a bit lengthier. If we go
15 to the next page, 004, you'll see he signs it.

16 A. Yes.

17 Q. And then there's a bit that gets added on, and I wonder
18 if you can help with whether you got all of this at any
19 point. If we go over the page to 005, it starts with
20 something slightly different where he has it all
21 categorised. You have "polyuric renal failure",
22 "difficult IV access". Over the page again, you see
23 "haemodynamic considerations". Over the page again,
24 you have "intraoperative fluids" --

25 A. Yes.

1 Q. -- dealing with glucose, which is something that you
2 mention.

3 THE CHAIRMAN: Does this ring a bell?

4 A. It does look familiar, yes, it does.

5 MS ANYADIKE-DANES: The sort of things I think you said you
6 were thinking about, if we go over the page to 008, you
7 see things he's discounting -- which is a checklist that
8 somebody was describing they had in their head, not
9 literally this one -- "cardiac arrest", "equipment",
10 "fluids". Over the page, 009, "brain insult".

11 A. Yes.

12 Q. And then he ends up with the conclusion because he's
13 eliminated all of those things:

14 "I can only assume that something occurred during
15 this case which defies physiological explanation."

16 Anyway, leaving that comment aside, are these the
17 documents that you'd have had and would have been part
18 of what you were sending to Professor Berry?

19 A. Yes. Some of this document does look familiar, but not
20 all of it.

21 MR FORTUNE: Sir, could we find out from Dr Armour whether
22 in fact Dr Armour asked for any reports or was merely
23 sent the reports, and if so, by whom? Probably
24 Dr Murnaghan. I'm just wondering whether there was any
25 exchange of either conversation between Dr Armour and

1 Professor Savage or correspondence to elicit the
2 reports.

3 MS ANYADIKE-DANES: Do you know how you got them?

4 A. I'm really sorry, I cannot recall how I got them.

5 Q. How would you --

6 MR BOYLE: I may be able to assist on this point, perhaps.

7 If one brings up 059-052-107, there's a memorandum from
8 Dr Murnaghan to Dr Armour. I appreciate it's dated
9 7 February of 1996. But it appears to be a memorandum
10 enclosing the letter that Dr Taylor or the report that
11 Dr Taylor wrote to Dr Murnaghan dated 30 November.

12 THE CHAIRMAN: That's fine, but she would have to have
13 obtained it earlier to have written to Professor Berry
14 in the way in which she did, wouldn't she?

15 MS ANYADIKE-DANES: Yes, and there are some communications
16 from -- I was going to come to those actually --
17 Dr Murnaghan --

18 A. Yes.

19 Q. -- to you --

20 A. Yes.

21 Q. -- behind those communications you can see because
22 we have it on the coroner's file, the communication from
23 Dr Taylor to Dr Murnaghan --

24 A. Yes.

25 Q. -- that led to that. I was going to come to that.

1 A. Yes.

2 Q. Because I don't think they entirely replicate all these
3 documents we're talking about here. If you can bear
4 with me and we'll just talk about these things that are
5 being sent off to Professor Berry. So what I have shown
6 you, you're not sure when you obtained all of that?

7 A. I am not, no, or how I got it, to answer the question.

8 Q. But some part of it you had in order to furnish it to
9 Professor Berry?

10 A. Yes.

11 MR UBEROI: Sir, can I just ask for the witness to clarify
12 whether she, in fact, remembers having those documents
13 or whether she's doing her best to assist the inquiry by
14 looking at the dates and saying, "Perhaps those are the
15 documents that I sent [OVERSPEAKING]".

16 THE CHAIRMAN: I will clarify it, Mr Uberoi. Mr Uberoi
17 represents Dr Taylor. You have just been taken through
18 an early statement that Dr Taylor prepared, which looked
19 familiar to you.

20 A. Parts of it did, Mr Chairman, but other parts did not.

21 THE CHAIRMAN: In the sense that they're familiar to you,
22 is that because you have read them for the purposes of
23 the inquiry or do you have a vague memory that you might
24 have seen them at some point in 1995/1996?

25 A. I can't recall. All I can say is that they are familiar

1 or some parts of them are familiar.

2 THE CHAIRMAN: If you were sending statements by various
3 people off to Professor Berry, then we assume that you
4 yourself will have read those statements at that time --

5 A. I would have read them.

6 THE CHAIRMAN: -- because you have to check what you're
7 sending to the professor.

8 A. Absolutely, I would have read them. I wouldn't have
9 sent them without reading them.

10 THE CHAIRMAN: So perhaps inevitably, the open question is
11 how exactly you came to ask for them and receive them.

12 A. I cannot recall.

13 THE CHAIRMAN: Okay.

14 MS ANYADIKE-DANES: I'm looking at the time. Given the
15 point that has just arisen, I think I know where some of
16 that can be found to assist. Perhaps if we may have
17 a break now, if it's convenient?

18 THE CHAIRMAN: Absolutely. We'll break for about
19 15 minutes.

20 (11.15 am)

21 (A short break)

22 (11.46 am)

23 MS ANYADIKE-DANES: Mr Chairman, there were a couple of
24 queries really, just before we broke. The first query
25 related to whether the documents that I had put to

1 Dr Armour were the same documents that are referred to
2 in her cover letter to Professor Berry. The short
3 answer is that we don't know.

4 THE CHAIRMAN: Okay.

5 MS ANYADIKE-DANES: All we know is that she clearly had
6 something because she was providing it to Dr Berry, but
7 we don't know whether she had what I put to her.

8 THE CHAIRMAN: Yes.

9 MS ANYADIKE-DANES: But we know one document, which is not
10 one of those, and I'll come to that in a minute.

11 The other query that we had was Dr Armour, I think,
12 had concluded that there couldn't have been the lines
13 there, certainly not the CVP line, because she's dealt
14 with the chest area and she hasn't referred to it. And
15 just to be complete about that, if one looks in the
16 nursing care plan, I think we can look at 058-038-150.

17 It happens in two places, actually, for good
18 measure. This is the nursing care plan, this is signed
19 off and dated the 27th. But under the 28th, at 8 am it
20 says:

21 "Fluids discontinued and all lines removed as per
22 Dr Savage."

23 And it's recorded in another place also, 058 --

24 THE CHAIRMAN: That's okay. That confirms that this is the
25 morning after the operation and while Adam's in

1 intensive care.

2 MS ANYADIKE-DANES: That's correct. So they discontinue his
3 fluids and remove all his lines, apparently as per
4 Dr Savage, and there looks to be a time there: 1 pm.

5 MR FORTUNE: You will recall, sir, that Professor Savage was
6 present at that time when the decision was made and then
7 Adam was handed over to his mother.

8 THE CHAIRMAN: Yes, thank you.

9 MS ANYADIKE-DANES: Yes. Then there was just one issue,
10 which I was asked to clarify. That relates to who's
11 actually there during the autopsy. Dr Armour has said,
12 quite frankly, that she can't actually recall that.

13 A. I can't.

14 Q. Dr Savage wrote to Adam's GP on 4 December. It's
15 document 016-004-014. He refers over the page at 015
16 to:

17 "I have since attended a forensic post-mortem when
18 no new information was obtained that would explain the
19 events during his surgery, but confirmed the presence of
20 gross cerebral oedema."

21 So it sounds like Dr Savage -- although in fairness
22 to him, he said he couldn't actually remember it -- but
23 he seems to have written that on 4 December to the GP.
24 And one of the things I was asked to clarify with you
25 is that although I didn't take you through it at all

1 really when I referred to it, which is the 1993
2 guidelines for post-mortem reports, if we were just to
3 pull up 306-072-003. This is indicating really what
4 should be in a post-mortem report. It covers all
5 things --

6 A. Yes.

7 Q. -- so it's a guidance as well.

8 A. Yes.

9 Q. And if one looks down under the demographic details, one
10 sees under "optional":

11 "Persons present at post-mortem, as appropriate."

12 One of them is ... Sorry, I beg your pardon. Go up
13 above that, normally, there's a range of people, but the
14 third person in that list of "normally" is the hospital
15 consultant.

16 A. Yes.

17 Q. Professor Savage was Adam's hospital consultant.

18 A. Yes.

19 Q. Then there's an "optional" range, which it would look as
20 if Dr Taylor --

21 THE CHAIRMAN: Sorry, be careful. The line above "normally"
22 is:

23 "Details of the individuals to whom the report
24 should be sent."

25 These aren't the people who are present, these are

1 people who should receive the report.

2 MS ANYADIKE-DANES: Sorry, that's correct. I misunderstood
3 something that my learned junior was telling me.
4 I didn't catch him correctly.

5 THE CHAIRMAN: That doesn't apply in a coronial autopsy for
6 the reason that you gave earlier. That's a decision for
7 the coroner about who the report will be released to
8 before inquest.

9 A. Absolutely.

10 THE CHAIRMAN: And after inquest, it's a public document, so
11 it can be released.

12 A. Yes, we just send a report to the coroner. That's the
13 end of the matter for us.

14 THE CHAIRMAN: So this must presumably be a reference to
15 a non-coronial autopsy?

16 A. Yes, because we would not send a report to a general
17 practitioner or to a hospital consultant. We would not
18 do that.

19 MS ANYADIKE-DANES: Sorry, Mr Chairman. These guidances are
20 to cover all autopsies, whether coronial or not, and
21 that is seen at 306-072-002:
22 "It's envisaged that these guidelines should serve
23 for all hospital coroners and fiscal post-mortems other
24 than Home Office cases."
25 So that's the scope of this guidance.

1 THE CHAIRMAN: Go back then to page 3. Thank you. The

2 words in italics and brackets under "normally":

3 "In coroners' cases, it's highly desirable the
4 report should be sent to the GP and consultant. The
5 decision on issue and timing depends on the coroner's
6 policy."

7 A. Yes.

8 MS ANYADIKE-DANES: What I thought we were looking at is an
9 indication of who should be referred to as listed as
10 whether they were actually in attendance or not.

11 A. Yes.

12 Q. What I've actually done is taken you to a section that
13 deals with those who you should and those who you may
14 send the report to, which is not the right section.
15 I apologise for that.

16 Can I ask you this though: what was your usual
17 practice in 1995, because it may be completely different
18 now, as to if at all and, if you do, how you record who
19 was actually there?

20 MR BOYLE: Can I interrupt very briefly? On that same
21 document we're looking at under the heading "optional",
22 it does have "persons present at post-mortem as
23 appropriate". So it appears to have been an optional
24 element to include those who were present at post-mortem
25 in this guidance.

1 MS ANYADIKE-DANES: Yes, but I think this all relates to
2 details of those individuals to whom the report should
3 be sent. One of those is "normally" and the other is
4 the "optional" ones. I think that's what the chairman
5 was assisting us with.

6 THE CHAIRMAN: It's not very clear, Mr Boyle, but this lower
7 half of the left column below, "details of those
8 individuals", does appear to be who receives a copy of
9 the autopsy.

10 MR FORTUNE: If you look at that, that cannot be right
11 because amongst the optionals would be "post-mortem
12 attendants and medical staff", which is a very general
13 term. It should surely be interpreted as people who
14 might be present as opposed to whom reports should be
15 sent.

16 THE CHAIRMAN: Well...

17 MR FORTUNE: It's unhelpful.

18 THE CHAIRMAN: I don't think the report's going to turn on
19 it, Mr Fortune.

20 MS ANYADIKE-DANES: What was your practice?

21 A. In 1995?

22 Q. Yes.

23 A. I would normally record who was present. I wouldn't
24 record the name of the mortuary technician. I would not
25 do that because the mortuary technician's there.

1 However, sometimes it can be difficult to say who's at
2 the autopsy because you could start the autopsy and
3 a clinician comes down in the middle of the autopsy,
4 you're gloved up, you're doing the autopsy and yes, he
5 or she's been down and the name's not on the report. So
6 that could happen, but normally I would say who was at
7 the autopsy, but they'd have to be there at the time
8 I start. I do have it frequently in the job I do now
9 that someone arrives in the middle and leaves before the
10 end and the name's not there.

11 Q. If somebody were attending the autopsy, is there a sort
12 of viewing gallery or are they literally in the room
13 where you're carrying out the autopsy?

14 A. In 1995, in the Royal, they would have been in the room,
15 so they would have to get gowned up, have a gown on,
16 overshoes. They would be in the mortuary.

17 Q. So if Professor Savage is attending the post-mortem,
18 he's attending it gowned up and in the room?

19 A. In the room, yes.

20 Q. If that were the case, your usual practice, although you
21 said there may be many reasons why you didn't follow it,
22 but your usual practice would be to record that fact?

23 A. Yes. If he was there right at the start, yes, I would
24 have, yes.

25 Q. Thank you. So what you were helping us with is what you

1 had provided to Professor Berry.

2 A. Yes.

3 Q. That was being looked at by way of comparison to what
4 may have been provided to Dr Mirakhur.

5 A. Yes.

6 Q. So if we go back to what we were looking at,
7 011-029-151. Those are the reports the clinicians. We
8 have got as far as that. Then the copy of the equipment
9 report.

10 A. Yes.

11 Q. I presume, if you're providing these things, it means
12 that you actually have them?

13 A. Yes.

14 Q. And you did say that the equipment and its possible role
15 was something that was highlighted to you as something
16 that may be important.

17 A. Yes.

18 Q. And in fact, the equipment report is to be found at
19 011-004-012. We can see the second paragraph, the
20 inspection or the investigation that led to the report,
21 it's not dated, but the investigation is dated as
22 2 December 1995 --

23 A. Yes.

24 Q. -- even though the report isn't. And if one goes to the
25 fourth paragraph, one sees the Siemens monitor, and they

1 give its model number:

2 "This monitor is currently out for repair. A new
3 display screen is being fitted and a loan monitor is in
4 use."

5 The immediately under that, it says:

6 "The Siemens monitor measures vital signs including
7 ECG, blood pressure, temperature, heart rate and
8 respiration."

9 So those vital signs are part of you being able,
10 I presume, to detect what was going on --

11 A. Yes.

12 Q. -- during the course of the surgery?

13 A. Yes.

14 Q. So that would be an important thing to know?

15 A. Absolutely.

16 Q. And what you're being told, or what anybody who's
17 reading this is being told, is actually they have not
18 looked at the monitor which would be displaying that?

19 A. Yes.

20 Q. Did you understand that at the time? Did anybody draw
21 that to your attention at the time?

22 A. No, they didn't, no. Again, parts of this are familiar.
23 Yes, they are. But no, nobody drew that to my attention
24 at the time.

25 Q. Anyway, you had it?

1 A. Yes, I did.

2 Q. And it is part of what you provided to Professor Berry?

3 A. Yes.

4 Q. So that all goes with this formal letter and you give
5 him a little summary.

6 A. Yes.

7 Q. You say you gave a little summary to Dr Mirakhur --

8 A. Yes.

9 Q. -- is there any reason why you wouldn't have set it all
10 out formally like that to get her second opinion?

11 A. Yes, because Professor Berry was formally instructed by
12 Mr Leckey. John Leckey wanted a paediatric pathology
13 opinion and, as far as I can recall, I think it was
14 Dr O'Hara who recommended Professor Berry because he
15 would have been, in 1995, the most eminent paediatric
16 pathologist on the mainland at the time.

17 Q. You're absolutely right and one can see that at
18 011-025-126. What precedes that is a discussion between
19 Doctors Leckey, Murnaghan, O'Hara and Bharucha, and then
20 he comes on to this:

21 "Dr Murnaghan phoned me back from O'Hara's office.
22 I spoke to Dr O'Hara. It was agreed that the equipment
23 should be independently examined. I agreed with
24 the suggestion from Dr O'Hara that an eminent paediatric
25 pathologist, Professor Berry of Bristol, be brought in

1 to give an expert opinion."

2 A. Yes.

3 Q. And you were told that was going to happen?

4 A. Yes.

5 Q. Had you wanted to bring in Dr Mirakhur as somebody to do
6 a formal second opinion -- let's say you'd formed that
7 view -- how do you actually go about doing that?

8 A. I would have said to Mr Leckey, "I think this needs
9 a formal neuropathological opinion".

10 Q. And is he likely to have acceded to you?

11 A. Absolutely. He's a very reasonable man, Mr Leckey.

12 Q. But you did want her view, Dr Mirakhur's view?

13 A. Yes, but not a formal view. My opinion was, after
14 looking at the slides and all my knowledge of the case,
15 that this was massive cerebral oedema. I couldn't see
16 any ischaemic hypoxic change, but this is really quite
17 a crucial part of my report to be able to say
18 categorically that there is no ischaemic hypoxic change.
19 I can't identify ischaemic hypoxic change but it was to
20 be absolutely sure. And I didn't -- I was not of the
21 opinion it required a formal neuropathological opinion
22 because, in my view, this is not a case for
23 a neuropathologist. This is dilutional hyponatraemia,
24 this is a child dying under general anaesthesia from
25 a complication of fluid management and it has produced

1 cerebral oedema of which it was obvious and it was
2 obvious histologically.

3 Q. But why bother to include Dr Mirakhur's name at all in
4 your report?

5 A. Because she saw the slides, she looked at the slides and
6 she gave me her opinion.

7 Q. I don't know whether you came into the chamber in
8 sufficient time to hear her evidence about that, but her
9 view was if her name was going to be included in
10 a report, then she would want to (a) know it and she
11 would want to be able to have an opportunity to see
12 whether she wanted anything further done to allow her
13 name to remain there, if I can put it that way.

14 A. Yes. I was a trainee back in 1995. Not that I can
15 recall this, but I cannot comprehend me going to
16 a consultant and saying, "Please could you look at this,
17 please could I have your opinion", and then to put her
18 name on the report behind her back without making her
19 aware I was going to do this. I would not behave in
20 this manner to a professional colleague.

21 Q. So your view is that you did tell her you were going to
22 cite her in the report?

23 A. Yes, I would say something, "Can I use your name in the
24 report?", or, "Can I put your name in the report?".

25 Trainees come to me now and they'll say, "Can I have your

1 advice on this, this, this?", and I'll say, "Yes, you
2 can put my name in the report if you like", and they'll
3 say, " No, I'm all right". But it is discussed whether
4 the name goes in the report.

5 Q. Did you show her the report?

6 A. No, I wouldn't have shown her the report, no.

7 Q. Because if one looks at that part of the report very
8 quickly, it's a very brief part of the report, but if
9 one looks at it, one sees ...

10 THE CHAIRMAN: Page 39.

11 MS ANYADIKE-DANES: Yes.

12 THE CHAIRMAN: Witness statement 012/2, page 39.

13 MS ANYADIKE-DANES: Actually, I think it's 040. The
14 description of the brain.

15 "There was massive cerebral oedema of the cortex and
16 white matter. No evidence of terminal hypoxia. No
17 evidence of myelinolysis."

18 And then you refer to the spinal cord:

19 "No specific pathological features were noted."

20 And then in brackets you give your reference to the
21 slides being seen to Dr Mirakhur. When you were asked
22 by the inquiry about that, you said that what you had
23 included in your report accorded with what Dr Mirakhur
24 had told you.

25 A. Yes. She said -- and again, I can't recall, I can't

1 recall, but she would have said, "Yes, Alison, I agree
2 with you: there's only cerebral oedema, there is no
3 ischaemic hypoxic change".

4 Q. And the only point that I'm getting at is, if you had
5 agreed with her that you might cite her name, if you
6 like, as recording somebody who's seen the slides, then
7 did you not think you might send her the report or at
8 least seek permission to send her the report so that she
9 could satisfy herself that what you have recorded there
10 actually accords with what she thought was the case?

11 A. Well, yes, that is a good point, but it would have been
12 for -- I did not do that and it would have been for
13 Mr Leckey to send Dr Mirakhur a copy of the report, but
14 I did not do that.

15 Q. In retrospect, do you think you might or at least have
16 sought the permission to do it?

17 A. I'm going to be very careful in the future, yes.

18 Q. Okay. Can I ask you something just to tie up about
19 others mentioned. You have kindly produced another
20 witness statement for us --

21 A. Yes.

22 Q. -- which refers to the people that you had indicated who
23 were your colleagues --

24 A. Yes.

25 Q. -- that had seen it. Then you go on to say in this

1 third witness statement or to confirm it --

2 A. Yes.

3 Q. -- if I can take you to -- well, I don't need to
4 formally take you to it. It's 012/3 at page 6. You say
5 that:

6 "[You] discussed it informally with Dr Derek Carson,
7 with Dr Alan Cromie. Dr John Press may also have been
8 present."

9 A. Yes.

10 Q. Then you say that at that time -- and it is not entirely
11 clear what that time was -- that you recollect that:

12 "... Dr Carson and Dr Cromie considered the
13 potential cause of death might be hypoxia/anoxia."

14 A. Yes.

15 Q. If one looks at this note of the coroner, it says there
16 at 011-025-125 that, "Today [which would be 8 December]
17 --

18 A. Yes.

19 Q. -- I had a series of calls and today Dr Armour showed
20 slides [et cetera] to Dr O'Hara and Dr Bharucha. Both
21 stated there was clear evidence of hypoxia, anoxia [and
22 so forth]."

23 I think you said you don't actually recall sending
24 them the slides or showing them the slides.

25 A. I don't recall, no.

1 Q. But if we look at the notes that you made while you were
2 carrying out the autopsy -- just give me one moment.
3 It's 012/2 at page 19. There we are. It's a bit
4 difficult to work out. I couldn't actually see it
5 myself easily. There's a line that goes immediately
6 down the centre of the page -- it's easier blown up --
7 just between "cerebral oedema" and "address", you can
8 see some initials, "HB" --

9 A. That's Dr Bharucha.

10 Q. I took the other one to be "O'Hara".

11 A. That's "DOH", Des O'Hara, yes.

12 Q. And the other one to be "Berry"?

13 A. That's right, Professor John Berry.

14 Q. So you seem to have noted their names. What does that
15 mean, that notation?

16 A. I can't recall if it's that I'm going to see them, I've
17 seen them or I'm going to get their advice or I have
18 actually done it. But yes, I'm going to speak to these
19 individuals.

20 Q. That seems to be rather consistent with the coroner's
21 note.

22 A. Yes.

23 Q. If, as he records, you told him that you did show
24 slides, and their indication was that there was clear
25 evidence of hypoxia, when it comes to your report on

1 autopsy, you don't actually find any hypoxia?

2 A. Absolutely, and there is no evidence whatsoever of
3 anaphylaxis.

4 Q. I understand that. That wasn't quite the point I was
5 going to ask you. Given that you've shown something to
6 somebody and they've said that there is clear evidence
7 of something, you have formed a different view. Would
8 you, in 1995, have recorded that?

9 A. I know it says the slides were seen by -- yes, but it
10 could not have been the slides of the brain.

11 THE CHAIRMAN: Because --

12 A. They weren't fixed.

13 MS ANYADIKE-DANES: So what were they seeing slides of?

14 A. They would have seen slides of the lung, the kidney, the
15 liver.

16 Q. I'm not sure it says you showed them slides of the
17 brain. The coroner's note simply says that you showed
18 slides, et cetera.

19 A. Yes.

20 Q. I don't think he has said that you claimed to have shown
21 them slides of the brain. As the chairman points out,
22 you couldn't have at that stage, as it wasn't fixed.

23 A. I could not. I could not.

24 Q. But you showed them slides of something.

25 A. I did, yes.

1 Q. And whatever you showed them, they've believed that that
2 was disclosing clear evidence -- not even "I wonder if"
3 or "you might like to think about" --

4 A. Yes.

5 Q. -- clear evidence of hypoxia.

6 A. Yes.

7 Q. These are both consultants?

8 A. They are.

9 Q. Dr O'Hara is a senior consultant --

10 A. Yes.

11 Q. -- at the time and, in fact, the only paediatric
12 pathologist that you have mentioned. So he has that
13 clear view?

14 A. Yes.

15 Q. And you have a different view and you're entitled to,
16 you're the pathologist.

17 A. Yes.

18 Q. But would you not have thought that you had identified
19 that he had that view, but you have a different view?

20 A. I think this can be explained by -- I have shown them
21 the histological slides of these other organs, these
22 other organs. The histological slides show no
23 significant pathology in them. There's a bit of
24 congestion in the lungs, the kidney's infarcted, there
25 is a bit of clear cell change in the liver, so there's

1 nothing within the other organs to account for this
2 child's death, which leaves what everyone had been
3 telling me at the time: hypoxia, anoxia.

4 Q. Okay. With hindsight and maybe as things have
5 developed, would you have included the explanation
6 you've given, lest anybody asked that, but there were
7 others who had a different view? You have recorded
8 somebody had a different view and you have your
9 explanation for why you have your view?

10 A. In 1995, in a routine coronial autopsy, probably not.
11 If this was a criminal case, definitely. But not in
12 a routine coronial autopsy.

13 Q. I understand. That's all the information that you give
14 to Professor Berry and you've explained why you did
15 things slightly differently with Dr Mirakhur. Can we go
16 to what information you actually had for carrying out
17 your task? Maybe I can help you with some of it and if
18 you can help us with the rest of it. If we go to 012/2
19 at page 26, that's the autopsy request form.

20 A. Yes.

21 Q. It identifies the consultant, Professor Savage.

22 A. Yes.

23 Q. And if we go over the page, which I think is still part
24 of it --

25 A. Yes, that's correct.

1 Q. -- 27. There we are. That has been identified as
2 Dr Taylor's signature.

3 A. Yes.

4 Q. So this information of the description of the case is
5 coming from Dr Taylor.

6 A. That's correct.

7 Q. Apart from the allocation, where Professor Crane says,
8 "Dr Armour, this is one for you", if you like, what
9 do you start off with as the information that you have?

10 A. Yes. I would have had this, a clinical summary by the
11 main treating clinician involved in the care of the
12 patient. I would also have been provided with -- and it
13 sounds like a full copy of the medical notes in this
14 case because I think I've referred to something like
15 there were ten copies of notes. So I would have had
16 them all and it would have been a massive pile of
17 medical notes.

18 Q. It sounds like it. If we just pause there, what would
19 you have done with those medical notes, having described
20 it as a massive pile?

21 A. From reading this -- and I would have been reading the
22 operative note in the main because it's obvious that
23 something has gone wrong during this child's operation.
24 And I would be concentrating my reading of the notes to
25 what happened just before anaesthesia was induced and

1 what happened during the operation and what happened
2 afterwards. That's what I would be concentrating my
3 reading on. I did hear Dr Squier yesterday say for
4 someone to try to read all the notes at the time prior
5 to the commencement of the autopsy wouldn't be a good
6 use of the time. It would have been taken me a long,
7 long time to read all the notes. He had a multiplicity
8 of operations.

9 Q. I suppose you might have gone back into the other notes
10 if something drove you to it?

11 A. Absolutely, yes.

12 Q. So if I'm getting you right, you'd be really looking at
13 his notes of admission on the 26th, the anaesthetic
14 record?

15 A. Yes.

16 Q. And then I think the notes also in paediatric intensive
17 care?

18 A. Yes.

19 Q. So that whole period of about two or three days, you'd
20 be looking at that?

21 A. Yes, and it was very obvious from my initial reading of
22 these notes that this was a complicated case. This
23 wasn't straightforward, it was complicated. Complicated
24 in that the child had a complex fluid management to
25 start off with, before he even -- anaesthesia was even

1 induced and that he died unexpectedly and really quite
2 rapidly.

3 Q. Did it, at some stage, become clear to you that there
4 was an issue about the appropriateness -- let's put it
5 that way -- of his fluid management?

6 A. I can't remember when that became an issue, but it did
7 come after I had excluded ischaemia, hypoxia and the
8 anaesthetic equipment because then I started to think
9 what else could it be. And I wondered about a metabolic
10 cause, I wondered -- I did wonder about fluids. I think
11 I have written in my contemporaneous notes, "query IV
12 fluids". I have put, "query glucose". And there was
13 a couple of other things I've got in the contemporaneous
14 notes.

15 Q. In order to help you, let's go to that, actually.
16 I don't think they're in appropriate order --

17 A. They absolutely are not.

18 THE CHAIRMAN: Let's just be careful about how much of the
19 detail we need to go into on this, okay? I don't think
20 we need to go through all the detail of it because
21 I think the witness is making it clear at what point the
22 appropriateness of fluid management became an issue for
23 her.

24 MS ANYADIKE-DANES: Yes, that's what I'm hoping to help by
25 taking her to her notes so she can help identify at what

1 point that was.

2 THE CHAIRMAN: She said when it was.

3 MS ANYADIKE-DANES: Sorry? I misunderstood you then.

4 I thought you said you weren't sure when that happened.

5 A. But I am -- that's absolutely right, but it came after
6 the ischaemia, hypoxia, anaesthetic equipment had been
7 checked, after that. I'd been reassured that there's
8 nothing wrong the anaesthetic equipment, it's not
9 ischaemia hypoxia, and then I started to think there's
10 something else, and that's when I start: is it
11 metabolic, is it the IV fluids, is it glucose? And
12 I can't remember the other couple of things on the
13 contemporaneous note.

14 Q. That's why I wanted to take you to that, but the
15 investigation of the equipment is 2 December, so
16 if we go to your notes, which start at 012/2, page 19.
17 Those, I think, are the start of your notes.

18 A. That's correct. So that is written ...

19 Q. When would you be writing this?

20 A. Where it says the history, and all above the history, so
21 the demographic details and the few lines of the history
22 that you have there, the first paragraph, that is
23 written when I go into the mortuary. I get the
24 demographic details from the notes and I'm starting --
25 you can see I'm starting to read the clinical

1 information and then I realise this is a complex case
2 and I am not going to be able to put an accurate written
3 note here at the time. I'm going to wait until
4 I formulate my report finally, until I get this
5 information accurate.

6 Q. I understand. It sort of stops midline with "on"?

7 A. It absolutely does because I realise this is
8 a complicated case and I cannot write the history
9 properly in the mortuary prior to the commencement of
10 the autopsy. I can't do it.

11 Q. I understand that. Can you help us with this, though,
12 because on the right-hand side there's a sort of "cause
13 of death" and there's an "anatomical summary". Does
14 that mean you wrote those afterwards?

15 A. Absolutely because I didn't come to dilutional
16 hyponatraemia and impaired cerebral perfusion at the
17 time of the autopsy. I did not. So that's later.
18 Cerebral oedema would have been put on after the autopsy
19 had been completed. That's when that was --

20 Q. So if we go on, this might be part of a more
21 contemporaneous element of your note, if I can put it
22 that way, to --

23 A. Yes.

24 Q. -- the next page. Is this you trying with a checklist
25 to try and work out the things you might be looking at?

1 A. This is, yes, this is "blocks of brain" because I know
2 the pathology is in the brain, it's cerebral oedema.
3 And these are the blocks of the brain that I should be
4 taking and it's got the blocks of the brain and what --
5 to show congestion. "Right frontal white matter", to
6 show congestion. "Left cingulate gyrus question mark
7 necrosis", that means is there some degeneration around
8 the left cingulate gyrus. "Left basal ganglia STB",
9 that is a special stain I would have asked for the lab
10 to produce and congestion.

11 "Right and left hippocampus" and, again, was there
12 a bit of necrosis of the left hippocampus. "Left
13 occipital", that's the lobe right at the back of the
14 brain and that's looking for posterior cerebral artery
15 infarction, and that's because the brain had swollen so
16 much. Sometimes you can get the artery compressed and
17 it blocks the blood supply off to the brain and you can
18 get an area of infarction. And then 8, "cerebellum",
19 and then the last one on the bottom, it says "pons".
20 "LFB", again that's a special stain I would have asked
21 the lab to do and that's looking for demyelination of
22 the pons, central pontine myelinolysis.

23 Q. So this is your working through, but if we go to the bit
24 where you were starting to exclude possibilities, if I
25 can put it that way, if we go on to 012/2, page 22 --

1 MR BOYLE: Just before we do that, can we clarify? There's
2 the word "Greenfield". Can we clarify with Dr Armour
3 what Greenfield is there?

4 A. Greenfield, at the time, it would have been the, shall
5 I say, the best neuropathology textbook available. It's
6 a textbook.

7 MS ANYADIKE-DANES: Does that mean you're going to have
8 a look at that and check through some things?

9 A. Yes.

10 Q. Thank you. So then if we go to page 22, and right down
11 to the bottom -- incidentally, are these notes meant to
12 be necessarily referring to the typed things on the
13 left-hand side or just your running notes, that happens
14 to be the paper --

15 A. Exactly, it's just running notes.

16 Q. That's fine. If you go right down to the bottom towards
17 the left, you have "fluids, glucose, metabolic". Is
18 that you with your checklist trying to identify what
19 this might be?

20 A. Yes, I think that's question mark -- and I know my
21 writing's appalling. I think it's "question mark IV
22 fluids". I know it's all in a bit of a mess. "Question
23 mark glucose" and "question mark metabolic".

24 Then over on the right side, that looks like
25 "question mark extunated post", and I don't know what

1 I'm referring to there, but it's about the extubation of
2 Adam Strain, and "question mark bleeding". And that's
3 what I'm thinking about. Above it is:

4 "Jugular ligation does not increase intracerebral
5 pressure, but does increase cerebral blood flow and
6 metabolism."

7 And that's a journal, The Journal of Critical Care,
8 where there was an article regarding jugular ligation
9 and cerebral blood flow and pressure.

10 Q. So at this stage, when you're starting to do your
11 examination and trying to identify what is the cause, we
12 know ultimately --

13 A. Yes.

14 Q. Are you having any exchanges with the clinicians at all?

15 A. Yes, I am. And I know I talked to Dr Bob Taylor on more
16 than one occasion. I cannot recall the subject of the
17 conversation, whether it was on the phone or whether
18 I saw him, but I did speak to Dr Bob Taylor. I am
19 pretty sure -- although I cannot be absolutely sure --
20 that I talked to Dr John Alexander because I have his
21 actual home phone number down there. I know I talked to
22 him at some time and I can't remember if it was
23 face-to-face or on the phone.

24 Q. If I may help you with this. What I'm trying to ask you
25 is: when you were speaking to -- well, Dr Alexander

1 wouldn't have been the clinician. When you were
2 speaking to the clinicians and I think the only actual
3 clinician you remember speaking to is Dr Taylor, to be
4 fair --

5 A. I do. That's correct.

6 Q. -- were you agreeing with each other in relation to the
7 fluids or can you not recall?

8 A. This is again -- I cannot remember when. It was
9 obvious -- at some stage, I'm going more and more to the
10 fluids, to the intravenous fluids and the fluid
11 management of Adam Strain. And it becomes obvious that
12 Dr Taylor does not agree with me. I can't remember when
13 and -- well, then we'll just agree to differ. But yes,
14 I do remember that, but I can't remember when it was.

15 Q. Did he ever produce in writing to you a sort of reasoned
16 argument for his position?

17 A. All I can remember is the inquest really, but you're
18 asking me prior to the inquest and, no, I cannot recall
19 receiving anything in writing from Bob Taylor to me,
20 personally or directly. I may have received -- I know
21 Dr Murnaghan did send me --

22 Q. That's what I was getting at.

23 A. Dr Murnaghan did send me that, but it didn't come
24 personally from Dr Taylor; George Murnaghan sent it to
25 me.

1 Q. Can I pull this up. 059 --

2 MR FORTUNE: Sir, while that's happening -- forgive me in
3 case I've missed something. Looking at the pages that
4 are 3 and 4 at the top of each, which are our
5 pages 012/2 and page 21 and page 22, are these notes
6 written at the time that the post-mortem has been
7 completed? Because what's not clear to me, sir, is
8 whether Dr Armour is talking to Professor Savage about
9 what she's doing during the post-mortem or whether she
10 is instancing conversations with clinicians like
11 Dr Taylor after the event. Perhaps Dr Armour can assist
12 us. It may not matter, but I just want to be clear.

13 A. I cannot recall speaking to Professor Savage. I cannot
14 recall. That's the first point. I can't recall him
15 at the autopsy, but I accept he was there and I can't
16 recall.

17 MS ANYADIKE-DANES: Are these notes complete?

18 A. No, my contemporaneous notes are not complete.

19 Q. Are you able to identify what's not there?

20 A. Yes, I can. If you look at my final written report,
21 when you have the history, all that is included in my
22 contemporaneous notes, which have been provided to the
23 inquiry, is that very first paragraph, which is very
24 brief, which is really just giving demographic details
25 about Adam, who he lives with and a very brief past

1 medical history. If you look at the rest of the history
2 it is very detailed. Well, I know how I worked back
3 then and it is how I work now. When I have detailed
4 information, I can't complete the report until
5 everything's inside my head and then I write it.
6 I write it on a piece of paper because it's the way
7 I work. And then I will dictate it for the secretary
8 because my handwriting is appalling and I don't really
9 think secretaries should have to struggle as much as
10 they do. So that would have been written on a piece of
11 paper. The commentary would also have been written on
12 a piece of paper and dictated.

13 Q. You mean what appears at 011-010-040? From there on --

14 A. Commentary --

15 Q. -- until the next page?

16 A. Absolutely.

17 Q. So all that issue dealing with the suture and its
18 effects and cerebral perfusion, all of that would have
19 been the subject of notes somewhere?

20 A. Yes. And then me dictating it, yes.

21 Q. And those notes are what you say you don't see in these
22 few pages that have been provided as your notes from the
23 State Pathologist's Department?

24 A. Yes. They would have been loose sheets of paper,
25 whereas the rest of the contemporaneous notes -- it's an

1 actual booklet, if you see what I mean. The front page,
2 which is page 1, page 2, page 3, page 4. That's
3 an actual booklet. Well, it's not a booklet -- there's
4 only four pages in it, if you see what I mean. It's
5 joined together even though it appears separately here.
6 But that's joined together. So it'd be pretty hard for
7 that to sort of --

8 Q. When we had asked you to provide a statement for the
9 inquiry and you had said that you would really need your
10 notes to assist you in this, perhaps some of the more
11 technical issues to do with the cerebral perfusion, for
12 example, that have become of so much interest --

13 A. Yes.

14 Q. -- are those some of the notes that are missing and that
15 you have difficulty in recollecting what happened?

16 A. All I think that is missing is the history bit, the
17 commentary, which is, as you will see it, and I don't
18 know, maybe some organ weights. I don't know.

19 Q. Okay.

20 THE CHAIRMAN: After you dictate them, these are the notes
21 from which you dictate, which leads to the typed report?

22 A. That's correct.

23 THE CHAIRMAN: After you dictate them, do you necessarily
24 retain them?

25 A. After I --

1 THE CHAIRMAN: After you dictate the notes, do you
2 necessarily retain the handwritten ones?

3 A. Absolutely. It would have been inside this -- I don't
4 want to call it a booklet because it's only four pages,
5 but it would have been inside this, yes.

6 THE CHAIRMAN: Are they likely to be, if not identical,
7 very, very close to the typed format?

8 A. Absolutely.

9 THE CHAIRMAN: So although we don't have them exactly,
10 we have something very, very close to them in the typed
11 format?

12 A. Yes, you do, Mr Chairman. Yes.

13 MS ANYADIKE-DANES: If that's the case, it probably doesn't
14 need to trouble us.

15 In terms of what you did receive from the clinician,
16 059-052-107. That's a memo from Dr Murnaghan dated
17 7 February 1996 to you.

18 A. That's correct.

19 Q. "Telephoned Dr Taylor, provides permission to share the
20 attached with you ... your personal information,
21 conclusions in this difficult matter."

22 If one goes over the page to 059-053-108. Let's try
23 that one. There we are.

24 A. Yes.

25 Q. Do you recall receiving that? That's dated

1 2 February 1996 to Mr Murnaghan?

2 A. This looks familiar, yes.

3 Q. So in there he's received Dr Sumner's report.

4 A. Yes.

5 Q. And he deals with his issues in relation to that --

6 A. Yes.

7 Q. -- in those paragraphs. And then he concludes dealing

8 with what appears to be the whole discussion coming down

9 to the fluids --

10 A. Yes.

11 Q. -- and so forth.

12 A. Yes.

13 Q. Did you provide any information to Dr Sumner?

14 A. Yes, I did.

15 Q. What did you provide to Dr Sumner?

16 A. I think there's a letter, isn't there, from me to

17 Dr Sumner?

18 Q. We'll check if there is. At the time Dr Sumner produced

19 his report, had you produced your report at that stage?

20 A. Absolutely not. No, no, no. He's an expert paediatric

21 anaesthetist. No.

22 MR BOYLE: The reference to the letter is 094-108-312.

23 MS ANYADIKE-DANES: I beg your pardon, this is also

24 a briefing letter that you sent him: original hospital

25 notes, two reports from the consultant -- the same thing

1 essentially -- and the equipment check report --

2 A. Yes.

3 Q. -- and then a similar summary?

4 A. Yes.

5 Q. In Dr Sumner's report, does he not take a view in terms

6 of the ligature?

7 A. I think he does, doesn't he?

8 Q. How does he know about that if you haven't produced your

9 report?

10 A. I don't know. Maybe he had been provided it by someone

11 else. I don't know. But I had not produced my report

12 at this stage.

13 Q. Did you discuss it with him, your views, before you

14 actually produced your report?

15 A. That's a good question. But I have no recollection,

16 again, of speaking to Dr Sumner --

17 THE CHAIRMAN: Well, you did speak to him --

18 A. "Following our recent telephone conversation." There

19 you go. And I have no recollection.

20 THE CHAIRMAN: You inevitably therefore will not recall the

21 content of the telephone conversation, but it's clear

22 that you did have some conversation.

23 That might have just been to ask him if he would do

24 the report or he might have said, "You will tell me more

25 about it"?

1 A. And I would do. I would do. So it may have been at
2 this time.

3 Q. So that's how he might have learnt about it?

4 A. Indeed, yes.

5 Q. Because he would have no other way of knowing about
6 anything.

7 A. He wouldn't, you're quite right.

8 Q. So I think what you were saying was that there came
9 a point where you were reaching a pretty firm view that
10 dilutional hyponatraemia was the issue.

11 A. Yes.

12 Q. But Dr Taylor didn't have that view?

13 A. Yes.

14 Q. And you received this document via Dr Murnaghan from
15 him?

16 A. Yes.

17 Q. And what did you do with that information that he had
18 provided to you?

19 A. I would have read it and I would have put it in the file
20 with all the other information on this case.

21 Q. Did you discuss it with Dr Taylor?

22 A. That's a good question. Um ... I cannot recall.
23 I just can't recall.

24 Q. You didn't agree with him?

25 A. I did not agree with him and he knew I did not agree

1 with him.

2 Q. Did you respond to Dr Murnaghan, "Thank you very much
3 for that, but I don't agree with it"?

4 A. I don't know. I think by that stage they knew I didn't
5 agree with it, but there is no formal written record of
6 that.

7 Q. You write a letter to Professor Crane. It's dated
8 8 December.

9 A. Yes.

10 Q. It's 011-023-123. A very short letter:

11 "I have been dealing with the case of Adam Strain.
12 I am willing to attend any meeting about this case,
13 including a meeting with clinicians, administrative
14 staff, the coroner and whoever else wants to attend. As
15 I was the pathologist who carried out the autopsy,
16 I feel my opinion on the case is relevant to such
17 a meeting and, as such, the case could be discussed in
18 full."

19 Why did you send that letter?

20 A. I cannot recall why I sent the letter.

21 Q. Well, what sort of thing would have prompted it?

22 A. I would have been feeling professionally undermined by
23 Professor Crane.

24 Q. By Professor Crane?

25 A. Yes.

1 Q. And what would that mean?

2 THE CHAIRMAN: What do you mean by "professionally
3 undermined"?

4 A. I cannot recall this letter at all, but if you would
5 like some background ...

6 MS ANYADIKE-DANES: Yes.

7 A. There were personal issues between myself and
8 Professor Crane. The training within the department, in
9 my view, was insufficient. In fact, there was none.
10 I had come from a pathology department in Leeds where
11 there was a proper training programme. When I came to
12 the State Pathologist's Department in Belfast, it was
13 just work. There was no proper training. I had come to
14 receive training so I could carry out homicide autopsies
15 and become a forensic pathologist. I did ask if I could
16 do a homicide autopsy under supervision. When he said
17 no, I said, "Why not?" He said, "It's the policy of
18 this department that no trainee carries out a homicidal
19 autopsy". I said, "Please can you provide me with that
20 policy document?". To which it got -- it just got a bit
21 bad, really.

22 So I then contacted the BMA and I also formally
23 contacted the Royal College of Pathologists, and as
24 a result of what I said, the Royal College of
25 Pathologists visited the department prior to Adam Strain

1 and made recommendations as to what was to be put in
2 place.

3 Q. Sorry, prior to Adam Strain?

4 A. Yes.

5 Q. So you'd already had an issue --

6 A. Yes.

7 Q. -- which you had taken up in that way?

8 A. Yes.

9 Q. And what were those recommendations?

10 A. I really can't recall. I wasn't privy to them, but they
11 were to be put in place. There would be a proper
12 training programme for trainees in the Belfast
13 department.

14 Q. Well, between whenever they came and when you left, did
15 that happen?

16 A. Yes.

17 Q. A training programme was put in place?

18 A. Yes, and trainees are properly trained.

19 Q. Sorry, was that happening before you left?

20 A. No, it did not.

21 Q. Sorry, I framed myself badly. I meant between whenever
22 the Royal College of Pathologists came to do their
23 inspection or their review and you left Belfast to start
24 your new post, had any of those recommendations been put
25 into place?

1 A. No. They came after I left.

2 THE CHAIRMAN: Okay. That's the background.

3 A. Yes.

4 THE CHAIRMAN: Specifically in relation to Adam Strain: in
5 Adam's case, did you feel professionally undermined in
6 some way by Jack Crane?

7 A. Yes.

8 THE CHAIRMAN: In what way did you feel you were undermined?

9 A. I find it difficult because I just can't recall what
10 happened, but obviously something was happening without
11 my knowledge. Again, I am inferring just from the
12 content of my letter that perhaps Professor Crane was
13 trying to arrange a meeting with clinicians or other
14 people involved regarding the death of Adam Strain and
15 I was not going to be there.

16 MS ANYADIKE-DANES: Do you know why that would be happening?

17 A. No, I don't.

18 THE CHAIRMAN: This is potentially significant or perhaps
19 not significant, but when you say that you felt he was
20 trying to arrange a meeting about Adam without you being
21 there, that would, on the face of it, be unacceptable
22 because you were the person who had done the autopsy
23 report.

24 A. That's correct.

25 THE CHAIRMAN: Which is why, if there was to be a meeting,

1 you should be there.

2 A. That's correct.

3 THE CHAIRMAN: And because, on the face of it,

4 Professor Crane might be there to make some level of

5 contribution, but should not be there to your exclusion.

6 A. That's correct.

7 THE CHAIRMAN: Do you know for sure that he was trying to

8 arrange a meeting?

9 A. You see this, is where I find it so difficult,

10 Mr Chairman. I know the letter is there and in

11 existence and obviously something has happened and

12 I just cannot recall what I'm inferring from the letter.

13 As far as I'm aware, no meeting did take place without

14 me being there. As far as I'm aware and ... Yes, it

15 was a very difficult time.

16 MS ANYADIKE-DANES: Irrespective of a meeting with

17 Professor Crane, involving him or not, were there any

18 issues generated by the fact that you had taken a fairly

19 firm and different view to one of the clinicians in

20 Adam's case?

21 A. Not to my knowledge. Not to my knowledge.

22 MR BOYLE: Sorry, I wanted to raise the time of the

23 chronology. One needs to be clear in relation to this.

24 Because, of course, this letter is dated 8 December,

25 which was only about ten days after Adam had died, and I

1 query whether it was being written at a time within
2 Dr Armour's knowledge as to whether by then she was
3 already in conflict or had a different opinion to
4 someone else.

5 A. Again, I can't remember what opinion I had on
6 8 December, but that is quite early on, really, isn't
7 it?

8 THE CHAIRMAN: Yes.

9 A. And whether I had formed the view that it's definitely
10 the fluids or it's looking like the fluids on
11 8 December. I really don't think I was there on
12 8 December, but I can't be absolutely sure.

13 Disagreement between colleagues is not unusual. It's
14 not --

15 MS ANYADIKE-DANES: It's positively healthy sometimes.

16 A. Absolutely, absolutely. And at no time did I feel --
17 in the whole of the time I spent on the Adam Strain
18 case, at no time did I feel that anybody was
19 pressurising me or trying to have undue influence on my
20 opinion from anywhere. That means the clinicians
21 involved in the case, Dr Taylor himself. Because he
22 knew eventually I disagreed with him and I was going to
23 say "I disagree with you". From any of my colleagues in
24 the department or any of my histopathology colleagues,
25 there was no pressure on me whatsoever in the opinion

1 that I came to. I had complete independence of thought
2 and I was not pressurised in any way.

3 Q. Okay. Over the break -- I remember it now -- somebody
4 asked me to take up a point with you. If we deal with
5 it now so we address it. You had all the medical notes
6 and records --

7 A. I did.

8 Q. The ones that you were focusing on were the ones related
9 to his last admission, if I can put it that way.

10 A. Yes.

11 Q. In those medical notes and records, Dr O'Connor, I think
12 it is, describes Adam's appearance as "puffy".

13 A. Yes.

14 Q. In fact, that's something that Professor Berry picks up
15 in his report. He describes him as "puffy".

16 A. Yes.

17 Q. When you deal with Adam's physical appearance, if I can
18 put it that way, in your report on autopsy, you don't
19 refer to how he looks.

20 A. No.

21 Q. Is there a reason for that?

22 A. I thought he just looked well-nourished. I didn't see
23 any pitting oedema, which is if you press on the skin,
24 the skin remains depressed. I didn't see any, what
25 I would call significant oedema of the tissues, the

1 subcutaneous tissues, I didn't see it. I thought he was
2 well-nourished, that was my view.

3 Q. What did you make of the record in his medical notes and
4 records that described him as "puffy", because puffy is
5 different from being well fed?

6 A. It is. Again, puffy, that's -- it is open to
7 interpretation. Does it mean his little cheeks were
8 puffy? I don't know. Puffy -- yes, I agree, is open to
9 interpretation. But it does not describe someone who
10 I would say is waterlogged or markedly oedematous.

11 Q. If you had been concerned about that, that his physical
12 appearance did betray that level of fluid overload,
13 although you can't remember speaking to Professor
14 Savage, he was there and he was the child's consultant.

15 A. Yes.

16 Q. You could have raised that with him.

17 A. Absolutely. When you start an autopsy it is very
18 obvious if the deceased is waterlogged or has a lot of
19 fluid because the fluid oozes from the subcutaneous fat,
20 and it did not. Otherwise, it would have been
21 mentioned.

22 MR McBRIEN: I don't know whether it would be helpful to
23 have the witness shown the photographs of Adam at this
24 point after the operation, when we believed him to be
25 puffy.

1 THE CHAIRMAN: Didn't we look at some of the photographs?

2 MR McBRIEN: We did indeed, sir. It's just in this

3 particular context. It's a matter for you, sir. I just

4 thought it might be relevant and helpful. The before

5 and after photographs. I believe she looked at the

6 after, maybe not the before.

7 MS ANYADIKE-DANES: I think this witness wouldn't have known

8 the before.

9 THE CHAIRMAN: That's the problem, Mr McBrien, isn't it? By

10 definition, Dr Armour didn't know Adam before. There's

11 really two reasons for not recording that he was

12 medically puffy as opposed to well nourished. One is

13 that he just didn't look like that to you. Secondly, if

14 when he was cut open, if he had been medically puffy,

15 we'd have had the oozing which you described a few

16 moments ago?

17 A. That's correct.

18 THE CHAIRMAN: So there are really two reasons which support

19 each other about why you didn't think he was medically

20 puffy, if I can use that term?

21 A. That's correct.

22 MS ANYADIKE-DANES: If you wanted Dr Armour to see it, it's

23 300-080-155. There.

24 A. Yes.

25 Q. Does that, to you, just look well nourished?

1 A. Yes. I am -- you know -- trying to recall the body of
2 Adam Strain. Yes, I just thought he was well-nourished.

3 THE CHAIRMAN: Thank you.

4 MS ANYADIKE-DANES: Thank you.

5 If we can deal with the issue of the kidney --

6 A. Yes, indeed.

7 Q. -- which is actually what started this. In your report,
8 you say that:

9 "The autopsy revealed changes in the kidney in
10 keeping with chronic renal failure and total infarction
11 of the transplanted kidney."

12 A. Yes.

13 Q. That's 011-010-041. Professor Lucas looks at that part
14 of your report and his comment is to be found at
15 209-001-006. His second criticism is:

16 "The omission of histopathological investigation of
17 why the transplanted kidney had infarcted. Were the
18 renal artery and/or the vein obstructed? This is not
19 an important matter in determining the cause of death,
20 but it is important for the renal transplant programme
21 to know why the transplant procedure itself failed."

22 In those regulations, one of the things you're
23 invited to address is the issue of anastomoses. Is
24 there any reason why you didn't conduct an investigation
25 as to why the transplanted kidney had infarcted?

1 A. First of all, in my report it does clearly state that
2 the vascular attachments were intact. So I had
3 ascertained there was nothing wrong with the surgery.

4 Q. Yes.

5 A. So the vascular attachments are intact. Histologically,
6 the kidney is infarcted. In other words, it is dead.
7 I capital do anything else with the infarcted tissue to
8 try to find out categorically why it is infarcted, but
9 it was my view at the time that Adam Strain was
10 in extremis. You know, the child was developing
11 cerebral oedema, the kidney was transplanted and the
12 kidney "died", in inverted commas, became infarcted
13 because the child was so poorly or sick or in extremis.
14 That was my view.

15 Q. I appreciate that's your view. I'm just exploring with
16 you, largely because Professor Lucas has raised it, the
17 investigation that you carried out. Because when
18 Professor Risdon was giving his evidence, and for that
19 matter Professor Berry also, there was an issue as to
20 when the infarction had happened --

21 A. Yes.

22 Q. -- and what might have led to it.

23 A. Yes.

24 Q. And whether to what extent it was contributed to by some
25 ischaemic damage, which has nothing to do with the

1 actual process of him dying, if you like --

2 A. Yes.

3 Q. -- or it was just a process of him dying and the kidney
4 failed as well. You would have seen from the medical
5 notes and records that it was perfusing less well at the
6 end --

7 A. Yes.

8 Q. -- although there may well be an explanation for that.

9 A. Yes.

10 Q. So those are things that you could have deduced and
11 concluded from his medical notes and records.

12 A. Yes.

13 Q. And I suppose what Professor Lucas is inviting is why
14 didn't you conduct a bit more of an investigation into
15 the kidney.

16 A. There's nothing more I could have done with the kidney.
17 Histologically, it was infarcted. That was it,
18 completely. There was nothing more I can do. It's just
19 a dead kidney. The most important reason for the kidney
20 being infarcted is to make sure the surgical anastomotic
21 site was intact, which it was.

22 Q. Can I put it this way: you had an opportunity to conduct
23 investigations to assist, if you like, the renal
24 transplant programme itself. For example, you would be
25 able to know from his medical notes and records roughly

1 what the ischaemic time was. In other words, when it
2 had been removed from its donor and roughly when it
3 had --

4 A. Yes.

5 Q. -- been transplanted into Adam as the recipient.

6 A. Yes.

7 Q. And you'd have been able to appreciate that length of
8 time. You may not have known the full significance of
9 it, but you might have asked yourself the question of
10 whether it was possible to detect any ischaemic damage
11 that is associated with that as opposed to the fact that
12 Adam has died.

13 A. I couldn't do it because the kidney was completely
14 infarcted. I just had a dead kidney. I could do no
15 more with what I had.

16 Q. Did you think of identifying when that infarction was
17 likely to happen? Because that's another issue that
18 Professor Risdon went into.

19 A. It's not possible. It's not possible to say when that
20 infarction occurred. The infarction -- it was -- the
21 kidney was dead. You cannot age infarction
22 histologically down a microscope when all you have is
23 infarction. It's not possible. I could do no more with
24 what I had.

25 Q. Okay. Well, you've seen Professor Risdon's report?

1 A. Um ...

2 Q. Maybe you haven't.

3 A. I cannot recall.

4 Q. Professor Risdon's report goes on to indicate when he
5 thinks that infarction may have happened. So he has
6 conducted an analysis of the kidney, of the blocks and
7 slides that he had to enable him to form a view of that.

8 A. It's my view it is not possible to age infarction when
9 you have a completely infarcted kidney on histological
10 assessment.

11 THE CHAIRMAN: Sorry, just wait a moment. Remind me,
12 Ms Anyadike-Danes. He gives a range of times, doesn't
13 he?

14 MS ANYADIKE-DANES: He thinks at or about the time of the
15 surgery and then, when he was giving his evidence, he
16 thought it might be just after the surgery.

17 THE CHAIRMAN: The point is he doesn't say it occurred at
18 9.52 am or something like that. He gives a range of
19 a number of hours --

20 A. Yes.

21 THE CHAIRMAN: -- during which it might have occurred.
22 Do you accept that that can be done?

23 A. I can't see how you can do it histologically. You may
24 be able to do it clinically, but histologically I don't
25 know how he can say the infarction in the kidney is

1 between that because I cannot age infarction alone.

2 MS ANYADIKE-DANES: Let's just pull up the report since

3 you're both pathologists. (Pause).

4 THE CHAIRMAN: He says in his evidence it's impossible to

5 time events with precision to within a few hours.

6 A. Yes.

7 MS ANYADIKE-DANES: Yes, he did say that, Mr Chairman, but

8 this witness is saying something slightly different.

9 THE CHAIRMAN: She is.

10 MS ANYADIKE-DANES: And I just would like to have the

11 benefit -- here we are. It's 093-031, I think.

12 THE CHAIRMAN: He also said, Dr Armour, that it takes

13 12 hours for something to be recognised histologically;

14 is that right?

15 A. Well, it depends. If you have -- if the blood supply to

16 an organ, say the kidney, is cut off and completely cut

17 off ...

18 MS ANYADIKE-DANES: Let me help you on this part where I'm

19 taking you to. If you go to the next page, 082. There

20 we are. Right down at the bottom, you see the

21 transplant kidney?

22 A. Yes.

23 Q. "Sections showed complete coagulative necrosis of the

24 graft. Basic renal architecture is recognisable in

25 ghost form. The proximal tubular cells are completely

1 necrotic [which I think agrees with what you're saying]
2 and like nuclei."

3 And then if you look at his comments:

4 "This child survived only 24 hours after the
5 transplant operation. Post-mortem performed the day
6 after death. In my opinion, the changes seen in the
7 transplant kidney are more advanced than would be
8 expected after only 24 hours of non-perfusion. In my
9 opinion, the transplanted kidney must have suffered
10 significant ischaemic damage prior to its insertion for
11 this degree of ischaemic damage to be apparent at
12 post-mortem."

13 And then he says something that isn't quite right
14 because he didn't know the information from the other
15 recipient. So irrespective of whether he can put it
16 down to a particular hour or two or three hours, he has
17 a mechanism by which he can assess the timing when he
18 thinks that's likely to happen and it's down to the
19 advancement in the damage that he sees. So would you
20 accept that?

21 A. To be honest, I don't know how he has come to that view
22 based on the histological changes that have been listed
23 there because I would not come to such a view. I don't
24 know how he can say 24 hours, more than 24 hours.
25 I couldn't say such a thing, so yes, I do disagree with

1 him.

2 Q. Okay. Are you aware of his work?

3 A. Absolutely, yes. He's very eminent, yes, absolutely.

4 Q. I think Professor Berry came to a rather similar view as
5 well; would you accept that?

6 A. Again, I don't know how someone can age or stage
7 infarction to this degree because it's not just as
8 simple as looking at the histological specimen; it's the
9 rate of infarction, it's the reason why the kidney's
10 infarcted. I would not form this view based on the
11 histological changes that have been described there.

12 Q. I understand that. The other criticism that
13 Professor Lucas makes is the fact that he thinks that
14 there is -- I think he describes it in 209-001-006, an
15 abundant non-pathological information provided in the
16 autopsy report. You address too much of your -- how can
17 I say -- the reasoning for how you have got to where
18 you have got to as a cause of death. Would you accept
19 that?

20 A. No. The clinical information that's been provided to me
21 and the history that I provided on my report is how
22 I have come to the conclusion that I have. And if
23 anybody would like to ask me, "On what facts, doctor,
24 have you based your opinion?" they are clearly there in
25 the report. If I'm doing a complicated perioperative

1 death, I will always include a detailed history, which
2 includes non-pathological information.

3 Q. Yes, I accept that. I wonder if you could help us with
4 this bit, though, and this may be where Professor Lucas
5 is training his sights, if I can put it that way. If we
6 go to your report at 011-010-041, probably around that
7 paragraph that starts "generalised cerebral oedema".

8 A. Yes.

9 Q. Which seems to move a little bit apart from just the
10 factual matters in the style that you have had before
11 and becomes a little bit more discursive. This may be
12 what he means. It's also the part that goes into -- and
13 maybe this is it also:

14 "Another factor to be considered is the cerebral
15 perfusion."

16 A. Yes.

17 Q. You have said what you said about the suture.

18 A. Yes.

19 Q. But all of this taken together, if I can put it that
20 way, ends up with a conclusion that, yes, dilutional
21 hyponatraemia caused Adam's cerebral oedema.

22 A. Yes.

23 Q. But there were these other factors?

24 A. Yes.

25 Q. Now, in retrospect, not even in retrospect, actually

1 those other factors became quite important for others
2 who looked at your report and used your report in their
3 views as to what they think happened.

4 A. Yes.

5 Q. And this is the retrospect bit. In retrospect, would
6 you have approached that whole question of how you deal
7 with the other factor to be considered in the cerebral
8 perfusion -- would you have approached that slightly
9 differently now?

10 A. No, I wouldn't. It's my view, and it has always been my
11 view, that Adam Strain died of dilutional hyponatraemia,
12 which caused his massive cerebral oedema. However, from
13 my reading of the literature at the time, there was
14 something else in Adam Strain. From my reading of the
15 literature, I am unaware that a child had a fixed brain
16 weight of 1,680. It was massive. I have never seen
17 anything like it, nor have I seen anything like it since
18 in my career.

19 So it was firmly my view there was some other factor
20 in Adam Strain to cause his brain to be so massively
21 swollen. I did consider lots of other factors and it's
22 my personal opinion, and it still is, that it was the
23 cerebral perfusion -- I know there isn't a suture on the
24 left side, or whatever there was on the left side, and
25 the catheter tip on the right side. This contributed to

1 the cerebral oedema.

2 I heard everything that Dr Squier said yesterday and
3 I do agree with what she said. However, Adam Strain was
4 in extremis, he was dying, and it is in that context
5 that I have the view that I do on cerebral perfusion and
6 the ligature and the catheter.

7 Q. So can I maybe approach it a different way. Even if
8 you're not clear any more as to whether you actually saw
9 a suture --

10 A. Yes.

11 Q. -- your feeling is, one, there was something else going
12 on. Secondly, that other thing going on was something
13 to do with the cerebral perfusion?

14 A. Yes.

15 Q. Can I take you to a part of the deposition of Dr Sumner?
16 As you know, Dr Sumner provided a report for the coroner
17 and then he gave evidence.

18 A. He did, yes.

19 Q. If we go to 011-011-049, this is a typed up version of
20 a manuscript note of his answers.

21 A. Yes.

22 Q. That's the way they do it. They don't record the
23 question and answer, they just record the answer. So if
24 you go down to about three-quarters of the way down, he
25 is saying:

1 "At 123, some oedema of the tissues could be
2 beginning."

3 The 123, as you may recall, is the result they got
4 of the blood gas machine at 9.32?

5 A. Yes.

6 Q. He says:

7 "We would know of the Arieff paper."

8 Which you knew also?

9 A. Yes.

10 Q. "Hyponatraemia is more difficult to diagnose during
11 anaesthesia. It can mask the signs ..."

12 And here is the bit:

13 "I believe that without the venous drainage problem,
14 Adam may have survived, provided the level did not drop
15 below 123."

16 That's the level of his serum sodium. So Dr Sumner
17 is picking up, it would seem, something that you are
18 saying, which is something else is happening?

19 A. That is my firm view, something else happened in
20 Adam Strain, yes.

21 Q. And does that concern that something else was happening
22 account for, contrary to what Professor Lucas would say,
23 the detail of your commentary?

24 A. Absolutely.

25 Q. To try and identify what that might be and how it might

1 have occurred?

2 A. Absolutely.

3 Q. You gave evidence also --

4 A. I did, yes.

5 Q. -- at the inquest. And, after that, you produced

6 a paper?

7 A. I did.

8 Q. Why did you do that?

9 A. I wanted to highlight the case of dilutional

10 hyponatraemia occurring during anaesthesia in -- because

11 dilutional hyponatraemia is well recognised, but all the

12 cases up until then were post-operative, they were not

13 perioperative, a child undergoing an operation. And it

14 was to highlight the case lest it should happen again.

15 However, I do recognise that the journal that it is

16 published in is a pathology journal and it's not going

17 to be read by clinicians like anaesthetists or ... um,

18 clinicians. But that was my main aim for doing it, to

19 highlight this, to draw people's attention to it, lest

20 it should happen again.

21 Q. After you had given your evidence and the inquest

22 evidence had been heard, the coroner gives his verdict.

23 A. He does.

24 Q. And that verdict reproduces quite faithfully almost the

25 conclusions of Dr Sumner.

1 A. Yes.

2 Q. Which refers also to this other element that you're
3 talking about, about the cerebral perfusion and so
4 forth?

5 A. Yes.

6 Q. When that had happened, did anybody ask you whether you
7 wanted to be part of sharing the lessons that had been
8 learned from this case?

9 A. No.

10 Q. Did you think they might?

11 A. Um ... Difficult question. Um ...

12 THE CHAIRMAN: Well, on one view, once you have your autopsy
13 report and once the inquest verdict has come in, the
14 Royal should be able to learn its lessons without
15 bringing you in.

16 A. Yes.

17 THE CHAIRMAN: On another view, you might have something to
18 add to it, but in essence they have your view from the
19 autopsy report and from the inquest.

20 A. Yes, and it was a firm opinion, unshakeable.

21 THE CHAIRMAN: Your opinion had effectively been confirmed
22 by Dr Sumner.

23 A. Yes.

24 THE CHAIRMAN: And had been adopted by the coroner at the
25 inquest.

1 A. Yes.

2 THE CHAIRMAN: So you could be brought in --

3 A. I could, yes.

4 THE CHAIRMAN: Okay.

5 MS ANYADIKE-DANES: Just so that we have it clear, the fact

6 that you published it -- am I right in saying that

7 indicates how important or how significant -- maybe

8 that's a better expression -- you thought it was that

9 Adam had died in this way?

10 A. Yes, I thought it was significant and it was worthy of

11 publication, yes, and people needed to be aware that

12 this could happen during anaesthesia because it hadn't

13 been documented prior to this -- not documented,

14 published. As far as I'm aware, there was no case

15 report published of a child dying of dilutional

16 hyponatraemia under anaesthesia.

17 Q. When you publish it -- and we can see. I just want to

18 take you to this part of the paper, which is 012/1 at

19 page 10.

20 A. Yes.

21 Q. And after you've got your summary, if you look, before

22 the references, it says:

23 "I thank Dr Sumner, consultant paediatric

24 anaesthetist, for his expert opinion and Dr Bob Taylor

25 for his helpful comments."

1 And also you acknowledge the coroner for allowing
2 you to use the case. What are the comments that
3 Dr Taylor provided for you in this article?

4 A. I cannot recall his exact comments. However, even
5 though we disagreed, myself and Dr Taylor disagreed as
6 to dilutional hyponatraemia, he was always very open,
7 he was always highlighting other issues with regard to
8 Adam Strain. I think he referred to the ADH, the
9 antidiuretic hormone, he referred to glucose. He was
10 very helpful to me, but it was obvious that we
11 disagreed, but he never hid the fact that he disagreed
12 and he was helpful to me in writing this paper.

13 Q. Did he agree with the article?

14 A. I never asked him, but I suspect not.

15 THE CHAIRMAN: It's hard to see how he could have.

16 A. But he was very helpful, even though we disagreed.
17 He was very helpful.

18 THE CHAIRMAN: I have to ask you, doctor: did it come across
19 to you that Dr Taylor just genuinely didn't believe that
20 this was dilutional hyponatraemia as opposed to him
21 scouring around desperately to find some explanation
22 which might not reflect on his management of the
23 operation?

24 A. That was my view. He couldn't come to terms with --
25 yes, it was dilutional hyponatraemia, yes. I never got

1 the impression that he was trying to cover anything up,
2 that he was trying to sort of like shake me in my
3 opinion or anything that I said to him. I just thought
4 he just could not believe it, is probably the right
5 word.

6 THE CHAIRMAN: Okay.

7 MS ANYADIKE-DANES: Just one point on that. When you said
8 he just could not believe it, just so we're clear on
9 that basis, do you mean he couldn't believe it from
10 almost a scientific, or medical scientific point of
11 view, think that that was possible, that a child like
12 Adam, who was polyuric, could develop dilutional
13 hyponatraemia?

14 A. Again, I just don't think he could, yes, believe it,
15 come to terms with it, whatever you want to say. Even
16 though I appreciate what you're asking me, the evidence
17 was overwhelming. The evidence was overwhelming, but he
18 still couldn't believe it.

19 Q. I understand.

20 THE CHAIRMAN: The ligature point. You said at the start of
21 your evidence this morning, doctor, that you've now
22 considered your position about that.

23 A. I have, yes.

24 THE CHAIRMAN: One of the criticisms which was made was that
25 if you thought this was a ligature, it would have been

1 preferable if you'd photographed it. You've now
2 accepted this may not have been a ligature, it might
3 have been a piece of fibrous tissue. What do you make
4 of the point that, whatever it was, it would have been
5 preferable if you'd photographed it?

6 A. Well, at the time, Mr Chairman, I thought this was an
7 incidental finding; I did not appreciate the
8 significance of this. What I found at the junction of
9 the left subclavian and left internal jugular answered
10 the question as to why the clinicians could not
11 cannulate those veins at the time of trying to induce
12 anaesthesia. It answered that question. I fully admit
13 I did not appreciate the significance of it at the time.
14 At the time I thought it was an incidental finding.
15 That was it. But of course, as the case moves on and
16 things progress, it wasn't an incidental finding.

17 MS ANYADIKE-DANES: Can I ask you about that? When you're
18 actually exploring it and observing and recording,
19 I think was the expression I used before, when you're
20 doing that phase and you record what you think is
21 a suture and you note it down, when you reach the point
22 when you're actually writing up your report and you're
23 starting to form your conclusions as to what had
24 happened, is it too late at that stage for you to go
25 back and say, "This thing that I now think might

1 actually have been quite significant, let me just have a
2 look at it and see how long it might have been there or
3 what it actually is"? Is it too late to do that?

4 A. Far too late. The body had gone. Far too late.

5 Q. I understand that. So you wouldn't have appreciated
6 that it would have been a very good thing to have taken
7 a photograph of, had a better exploration of, dated it,
8 because by the time that proved to be significant, that
9 evidence was lost to you; is that the effect of it?

10 A. Yes, and it explained the clinician's difficulty in
11 cannulating the vein. That's what I thought it was.
12 There's the explanation. There's the explanation.

13 Q. Although Dr Taylor's explanation for the difficulty was
14 that he was dehydrated --

15 A. Yes.

16 Q. But you had a different view?

17 A. I had a different view, yes.

18 Q. So that wouldn't have explained it for you?

19 A. No.

20 Q. Can I just pull up one point that was mentioned
21 yesterday and you can help us with it. I thought I'd
22 found an explanation for it when you said it in your
23 deposition, but then it's repeated in your PSNI
24 statement. If you give me one second, I'll try and find
25 out where it is. It's Dr Squier's point as to whether

1 it's going --

2 A. To or from the brain?

3 Q. Exactly so. I just can't find your PSNI statement at

4 this moment.

5 MR BOYLE: 093-022-062.

6 MS ANYADIKE-DANES: Thank you very much indeed. I think

7 that's over the page, 063, where that's said. There

8 you are. It's just past halfway down:

9 "The suture impaired the blood flow to the brain."

10 A. Yes.

11 Q. You heard Dr Squier's evidence.

12 A. Yes.

13 Q. Her view was that if it was where you thought it was, or

14 at least where you have recorded it as being, it wasn't

15 going to be impairing flow to the brain. If it was

16 impairing anything, it would be flow from the brain?

17 A. Yes, but that has a knock-on effect; it will impair the

18 blood flow to the brain. So I think it would have been

19 better if I had said the blood flow to and from the

20 brain.

21 MS ANYADIKE-DANES: Mr Chairman, I don't have anything

22 further, but I wonder if I could have two minutes

23 because that might conclude everything.

24 THE CHAIRMAN: We'll break for a few minutes. It rather

25 looks as if, doctor, we'll be finished completely with

1 you in a few moments if you wouldn't mind waiting.

2 Two points. One is if there are any further
3 questions, I'd like them to be sorted out over the next
4 few minutes. Secondly, in light of Dr Squier's evidence
5 yesterday and the start of Dr Armour's evidence this
6 morning, we've been reconsidering whether we need to
7 bring Professor Lucas over tomorrow. It now seems to us
8 to be unnecessary for that to happen. If anybody has
9 any contrary views, would you think about them over the
10 next few minutes and we can make a decision about that?

11 I will sit again at 1.25. Thank you.

12 (1.16 pm)

13 (A short break)

14 (1.35 pm)

15 THE CHAIRMAN: Okay. Where are we?

16 MS ANYADIKE-DANES: Two questions, both, I hope, brief. One
17 is: when you were discussing the significance of what
18 you had found in terms of hyponatraemia happening
19 perioperatively --

20 A. Yes.

21 Q. -- and you said you had written your paper to alert
22 people to the significance and importance of that --

23 A. Yes.

24 Q. -- how well do you think people appreciated in 1995 and
25 even the succeeding years, really, about the possibility

1 of hyponatraemia happening during an operation?

2 A. Since I've written the paper?

3 Q. Yes.

4 A. In Northern Ireland?

5 Q. Yes.

6 A. I've had no contact with Northern Ireland since 1997.

7 THE CHAIRMAN: Outside Northern Ireland, are you aware of it
8 being an issue in Britain?

9 A. I am not, no.

10 MS ANYADIKE-DANES: Before you wrote the paper, do you feel
11 that there was an awareness of the fact that
12 hyponatraemia could happen during the course of an
13 operation?

14 A. Personally, myself, I was only aware of dilutional
15 hyponatraemia occurring in the post-operative
16 environment in women and -- young women and children.
17 That was my knowledge of dilutional hyponatraemia.
18 I was unaware that it had happened during an operation.
19 That's my --

20 Q. I understand. Just to follow on from that, I know
21 I only said two questions.

22 THE CHAIRMAN: Sorry. Were you aware of it from your work
23 as a pathologist or were you aware of it from your
24 medical education?

25 A. Both, Mr Chairman.

1 THE CHAIRMAN: Okay.

2 MS ANYADIKE-DANES: Were you aware of the Arieff paper?

3 A. Prior to carrying out the autopsy?

4 Q. Yes.

5 A. No.

6 Q. But you became aware of it during the course of it?

7 A. I did.

8 Q. What did you think its significance was?

9 A. It's an eminent paper, yes. If you want to call it
10 a landmark paper, it is an eminent paper.

11 Q. You had just described the fact that you weren't aware
12 in particular of dilutional hyponatraemia happening
13 during the course of an operation.

14 A. Yes.

15 Q. When you saw that paper, did you appreciate the wider
16 significance of that paper?

17 A. Yes, I did, but I don't think any of the cases in that
18 paper were dilutional hyponatraemia during an operation.
19 I think they were all post-operative, weren't they?

20 Q. Yes, they were post-operative. I was moving on to that
21 point. You saw it, you hadn't appreciated it before,
22 you saw the paper?

23 A. Yes.

24 Q. Were you able to appreciate its general significance?

25 A. The paper?

1 Q. Yes.

2 A. Absolutely, yes.

3 Q. And that therefore applied to both minor surgery,
4 none -- no surgery at all?

5 A. Yes. I mean, my knowledge of dilutional hyponatraemia
6 prior to Adam Strain was in the association with minor
7 surgery and the post-operative period. That was how
8 I was aware of dilutional hyponatraemia.

9 Q. Thank you. Then could I ask you something else, which
10 is a completely different point. That is to do with the
11 fluid overload and the appearance of the body.

12 A. Yes.

13 Q. You, I think, had said that Adam's body didn't -- well,
14 you weren't able to distinguish the reason for Adam's
15 appearance and you put it down to that he was perhaps
16 just well nourished?

17 A. Yes.

18 Q. And it didn't connote anything significant to you over
19 and above that?

20 A. Yes.

21 Q. And even though there is a reference to "puffy" in his
22 medical notes and records, puffy is a description that's
23 not precise?

24 A. Yes.

25 Q. And it didn't necessarily exclude the fact that he was

1 well nourished, in your view, when you looked at it?

2 A. Yes, in my view.

3 Q. You also said that when you started the autopsy, so you
4 were starting to perform your autopsy on his tissues,
5 you didn't see any leakage of fluid. Is it possible for
6 a body to have taken on fluid and for it not to --
7 clinically possible and for it not to produce fluid in
8 the way that you described?

9 A. Well, maybe a little bit, but not a lot.

10 Q. But it is possible?

11 A. Yes, just a little.

12 MS ANYADIKE-DANES: Thank you.

13 THE CHAIRMAN: Is that everything?

14 MS ANYADIKE-DANES: I think it is.

15 THE CHAIRMAN: No more questions? Mr Boyle, no?

16 MR BOYLE: No.

17 THE CHAIRMAN: Doctor, thank you very much indeed for coming
18 over and giving us your evidence. You're now free to
19 leave.

20 Is there anybody who feels that it is necessary for
21 Professor Lucas to give evidence tomorrow? No? Okay.
22 As with other witnesses who are not being called, that
23 doesn't mean to say the reports are ignored, but in
24 light of the evidence of Dr Squier and Dr Armour, the
25 comparatively mild criticisms that he makes of Dr Armour

1 will be considered but I don't need to hear him repeat
2 them orally or to hear him probed on them.

3 That being the case, we will not now sit tomorrow
4 and we will start on Monday morning at 10 o'clock.

5 A governance opening has been circulated to you.

6 I think it is said to be a draft, but it's only a draft
7 to the extent that there are some more references and
8 annotations to be added to it, not in the sense that
9 it is incomplete in any other way. What we'll do on
10 Monday is -- there may be a short oral opening by
11 Ms Anyadike-Danes, but we will then go straight into the
12 evidence of Dr Gaston, who will be dealt with on Monday.

13 Thank you very much indeed.

14 (1.40 pm)

15 (The hearing adjourned until Monday 18 June at 10.00 am)

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I N D E X

DR ALISON ARMOUR (called)1
 Questions from MS ANYADIKE-DANES1

