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Tuesday, 6 November 2012

(12.00 pm)

DR NEIL STEWART (called)

Questions from MR REID

(The witness appeared by video link)

THE CHAIRMAN: Good morning.

Dr Stewart, can you hear us?

A. Yes, I can indeed.

THE CHAIRMAN: Is "doctor" still the right way to describe you?

A. Yes. That's fine, thank you, yes.

THE CHAIRMAN: Okay. My name is John O'Hara, I'm the chairman of the inquiry, but the questioning is going to come overwhelmingly from Mr David Reid, whose face you'll see appear on the screen, I think, when he's asking you questions. Okay?

A. Thank you very much.

THE CHAIRMAN: Can I ask you one more thing: do I understand that you have a lawyer close by, or has he left?

A. He has just gone to use the restroom.

THE CHAIRMAN: Okay. Maybe what we'll do now is swear you in to give your evidence and, when he comes back, we'll discuss what his role is during the next hearing. Okay?

A. Thank you.

THE CHAIRMAN: Thank you, Dr Stewart. Can I ask you, first

1 of all, what is the name of your attorney?

2 MR JARRETT: Patrick Jarrett.

3 THE CHAIRMAN: Thank you, Mr Jarrett.

4 Mr Jarrett, the way in which this inquiry has been  
5 run is that there are various doctors and others in the  
6 position of Dr Stewart who have had legal representation  
7 from time to time, but the questioning of Dr Stewart  
8 will be done through inquiry counsel. He will raise the  
9 issues with Dr Stewart, with which the inquiry is  
10 concerned. If you have any objection to a question,  
11 then you make that objection to me, but I want you to  
12 understand that Dr Stewart is not to receive any  
13 assistance or any prompting in answering the questions.  
14 Is that understood?

15 MR JARRETT: That's understood.

16 THE CHAIRMAN: Thank you very much. Okay. Mr Reid will now  
17 start to ask questions. Thank you.

18 MR REID: Good morning, Dr Stewart. Thank you for appearing  
19 so early for us this morning. There might be a slight  
20 satellite delay between me asking the questions and you  
21 responding, so if you just wait until I've finished  
22 speaking just to make sure that you hear the full  
23 question.

24 You've made two witness statements to the inquiry to  
25 date, Dr Stewart. Those are WS141/1, which is dated

1 17 February 2012, and WS141/2, which is dated

2 17 June 2012; is that correct?

3 A. That is correct.

4 Q. Would you like to adopt those statements as your  
5 evidence before the inquiry?

6 A. I would, if I could make two additional comments  
7 regarding them.

8 Q. Certainly.

9 A. First of all -- and the pagination may be a little  
10 different. We use letter size here, I believe you use  
11 A4 there. There's a part of my first statement which is  
12 in answer to question 27(g), which I believe is page 15,  
13 in which I note the nursing notes do record a  
14 fluctuating Glasgow Coma Scale, GCS, through the day and  
15 into the evening. I remember Dr Bartholome commenting  
16 that she believed this was as a result of the Hypnovel  
17 infusion.

18 I want to clarify now: I do not recall that  
19 conversation happening at 11.30, whenever the abnormal  
20 serum sodium result returned. It's my recollection that  
21 occurred earlier in the evening and may have indeed come  
22 through Joanne Hughes in her handover to me, shortly  
23 before 10 pm. But I don't recall with certainty.

24 Q. I see. So you're saying --

25 A. And the second thing I would like to say --

1 Q. Just to clarify that first point. You're saying that  
2 your recall of that comment wasn't at 11.30, it was  
3 during an earlier conversation with Dr Bartholome and/or  
4 the handover from Dr Joanne Hughes; is that right?

5 A. Yes. I remember distinctly the comment in connection to  
6 Dr Bartholome. Whether it came from her directly or  
7 through Joanne Hughes at the handover, I can't recall  
8 with precision.

9 The second comment I would like to add is that I do  
10 believe now that I did attempt an examination of Claire  
11 at 11.30 before I called Dr Bartholome.

12 Q. Thank you, doctor. We will get to that in due course.

13 If I can also just refer to a letter which has come  
14 from the Directorate of Legal Services here in  
15 Northern Ireland. That's dated today, 6 November 2012,  
16 and the reference for that is 302-147-001. Some of  
17 these documents will be pulled up on screen, you might  
18 not have the availability of them, but rest assured  
19 I will be explaining what is on the document to you so  
20 you have the full benefit of it. Okay?

21 This letter is in response to an inquiry e-mail,  
22 which asked whether you recalled treating any other  
23 children on Allen Ward on 22 October 1996. It says  
24 that:

25 "[You instruct] that this was your first paediatric

1 attachment at the Children's Hospital and so, naturally,  
2 you do recall some details from that time. You recall  
3 you had some involvement on Dr Sands' ward round and  
4 [you] certainly saw a number of children during the  
5 course of that particular morning and afternoon.  
6 However, without the benefit of handwritten notes,  
7 [you're] not presently able to recall these patients  
8 with precision."

9 Can I assume that that is your evidence on that  
10 point; would that be correct?

11 A. That came from me, yes, sir.

12 Q. Thank you. Just going back then, you'd been a junior  
13 house officer in the Ulster Hospital in Dundonald and  
14 then you started as a senior house officer in the  
15 Royal Group of Hospitals in August 1996. This was your  
16 first posting, as you said there in the letter, in  
17 paediatrics at that point. So you'd been a senior house  
18 officer for three months by October 1996; is that right?

19 A. That's correct.

20 Q. You left medicine in 1999 to become a Presbyterian  
21 minister and you are now a senior pastor at the Kirk of  
22 the Isles Church in Savannah, Georgia; is that right?

23 A. That's also correct, yes.

24 Q. When did you leave Northern Ireland, Dr Stewart?

25 A. I left Northern Ireland in the June of 1999.

1 Q. And you went to the States at that point?

2 A. Yes. I went to study at a reformed theological seminary  
3 in Jackson, Mississippi for three years.

4 Q. So you have now been out of medicine for 12 years;  
5 is that right?

6 A. Yes, sir.

7 Q. Coming up on maybe 13 years.

8 A. Yes.

9 Q. Can I ask you: in October 1996 were you aware of the  
10 Adam Strain case or inquest in any way?

11 A. At that time, I was not.

12 Q. Can I assume from your answer that you're now aware of  
13 the Adam Strain case and inquest?

14 A. Yes, I am. I remember a brief conversation between  
15 consultants in a coffee room when I was attached to  
16 paediatric ICU on the second year of my placement at the  
17 Royal Belfast Hospital for Sick Children, which would  
18 have been towards the end of 1997.

19 Q. Okay. So you remember --

20 A. 1998, sorry.

21 Q. You remember a conversation then about Adam Strain  
22 between two consultants in PICU towards the end of 1997.  
23 Can you remember any of the --

24 A. Or 1998. It was in the summer of my second year in the  
25 Royal, so it would have been, let's see, 1998 -- 1997.

1           It was the second year of my attachment to the Royal at  
2           that time. I remember it was on passing, I remember his  
3           name being mentioned. I believe Dr Taylor was there.  
4           Maybe Dr Crean or Dr McKaigue. I just remember his name  
5           and a discussion of some of the incidents regarding his  
6           treatment in the hospital, but I couldn't recall with  
7           precision those details, I just remember his name being  
8           mentioned.

9    Q.   Can I ask, why do you recall that particular  
10        conversation happening?

11   A.   It just sticks in my mind, I just remember it.

12   Q.   Is there any particular reason why it sticks in your  
13        mind?

14   A.   No. I just recall -- there was nothing, it was just  
15        a conversation, I think about fluid care. It just stuck  
16        in my mind. I remember when I saw the inquiry come  
17        through and saw the list of names of the children who  
18        were being examined and dealt with, with the inquiry,  
19        I just remember Adam Strain's name and I remember that  
20        conversation.

21   Q.   I have to ask: is it possible that maybe the  
22        conversation stuck in your mind because you recalled  
23        maybe elements of Claire Roberts' case that seemed  
24        similar to the conversation that was being had?

25   A.   I'm most certain that wasn't the case.

1 Q. Okay. As far as you're aware in October 1996, what was  
2 your awareness of hyponatraemia and the dangers  
3 associated with it?

4 A. I was aware that children responded to IV fluids  
5 differently from adults, and so we had to be very  
6 careful in the way we handled their fluid balance.  
7 I remember that particularly because we had  
8 a particularly ill child with diabetic ketoacidosis in  
9 Musgrave Ward several weeks before and Claire's  
10 presentation -- and I remember the registrar that night,  
11 Dr Jean McKnight, stressing the importance of slowly  
12 restoring fluid anomalies in a controlled manner. In  
13 adult patients, you can be a little bit more aggressive,  
14 but with children, I remember Dr McKnight stressing how  
15 important it was that we restored normality to their  
16 fluids in a controlled fashion. That stuck in my mind,  
17 so I was aware of that detail. I was also aware of the  
18 dangers of about hyponatraemia and hypernatraemia to  
19 a child.

20 Q. You're giving evidence towards the end of the clinical  
21 section of Claire Roberts' case. Several other  
22 clinicians who were in the Royal at the time have given  
23 evidence already to the inquiry. Have you had the  
24 opportunity to read any of the evidence on the  
25 transcripts that have passed before the inquiry so far?

1 A. I have glanced through some of them. There's an awful  
2 lot of them, so I wasn't able to read them exhaustively,  
3 but I did glance through some of them, yes.

4 Q. I can certainly accept there's a lot of reading material  
5 there, doctor. Has there been anything that you've seen  
6 or read that has stirred any other memories that you  
7 might have of that particular time? Anything that's  
8 twiggged your memory?

9 A. Undoubtedly, reading the events of that time, it has  
10 served to refresh and jog my memory, yes. Although it's  
11 difficult to define what's been jogged and what  
12 I recall, it's kind of, you know, flashes, impressions,  
13 memories, events. But yes, of course it has served to  
14 jog my memory.

15 Q. And you have certain memories of things that happened on  
16 22 and 23rd and other elements that you've pieced  
17 together from the notes; would that be fair to say?

18 A. That would be fair to say, yes.

19 Q. If I can bring you then to 21 to 23 October. You were  
20 on the day shift that day between 9 am and 5 pm and then  
21 you went off and came back at 10 pm; is that right?

22 A. That is correct. I probably came back to the  
23 hospital -- it was my normal practice to come in shortly  
24 before 10 pm to allow time for a handover with the  
25 doctors who were passing the care on to me.

1 Q. And then you were still on the on-call shift then until  
2 9 am the following morning?

3 A. A good bit after that. I believe I may have led the  
4 ward round in Allen Ward the next morning, and that went  
5 on past midday, even into the afternoon.

6 THE CHAIRMAN: Sorry, doctor, you believe you may have led  
7 the ward round in Allen Ward on the Wednesday?

8 A. I believe so. I certainly remember being part of the  
9 ward round. I may have led it.

10 THE CHAIRMAN: Well, for you to lead it, would that not mean  
11 that on the Wednesday there was neither a consultant nor  
12 a registrar?

13 A. Um ... That would be true, yes, sir.

14 THE CHAIRMAN: So if your recollection is right, it means  
15 that not only was there not a consultant on the ward  
16 round on Tuesday the 22nd, but it means that there  
17 wasn't a consultant on Wednesday the 23rd, nor was there  
18 a registrar on Wednesday the 23rd?

19 A. Yes. There were times -- not very often -- when  
20 Dr Sands was present elsewhere in the hospital.  
21 I remember sometimes he had to -- he would assist the  
22 cardiologists with echocardiograms and it may have been  
23 that morning, I couldn't recall with precision, but  
24 I could have easily connected with him had I needed to.  
25 I would have discussed the patients on the ward round

1 afterwards before I retired from duty.

2 THE CHAIRMAN: Thank you.

3 MR REID: Can I ask you then, just leading on from the  
4 chairman's point about the ward rounds, from the  
5 evidence we've heard so far there would be a ward round  
6 every morning on Allen Ward and that this would  
7 typically be done by the consultant if they were  
8 available and then, if they were not available, the  
9 registrar. And then you're saying if neither was  
10 available, that you or another SHO could take the ward  
11 round; would that be a fair summary?

12 A. That's correct.

13 Q. I know this is looking back a considerable period of  
14 time, but how often would the consultant be unavailable  
15 to take the ward round in and around October 1996?

16 A. As I recall, some of the consultants had their scheduled  
17 ward round on a certain day each week and then  
18 consultants like Dr Steen, who had considerable  
19 commitments outside of the hospital in the community,  
20 would come in through the day or perhaps earlier in the  
21 morning and see her patients or come in later in the day  
22 and touch base with the registrar and see their patients  
23 at that time.

24 THE CHAIRMAN: Sorry, does that mean, so that I understand  
25 this, that there would be nothing unusual about Dr Steen

1 not being there for a ward round?

2 A. As I recall, especially after a take-in night when she  
3 was on call, she would have come in at some time during  
4 the day, if not before working hours, ie before 9 or  
5 8 o'clock in the morning, or later on in the morning or  
6 afternoon, and she would see her patients and do a ward  
7 round then. That's my recollection.

8 THE CHAIRMAN: Thank you.

9 MR REID: So sometimes the ward round would be deferred or  
10 put off until the consultant was available; would that  
11 be right?

12 A. No. In those cases, Dr Sands would begin the ward round  
13 first thing in the morning and he would go through the  
14 ward round, make a plan for the day and then he would be  
15 in a position to brief the consultant when they arrived.

16 Q. I see. How often would neither the consultant nor the  
17 registrar be available to conduct the ward round?

18 A. It was very, very rare for Dr Sands not to be present  
19 for the ward round. And the reason why I believe he may  
20 not have been present that day is that I remember  
21 distinctly learning about Claire's collapse when  
22 I returned to the ward in the morning to take care of  
23 the morning bloods and to do the ward round. And  
24 I don't remember him being there at that time. So  
25 I don't remember talking with him about it, and so it

1           may have been -- that may be the reason why I suspect it  
2           was that morning that I did the ward round beforehand.  
3           Having said that, he was almost always there to do  
4           a ward round and he was always available for me to get  
5           him at short notice if he was detained elsewhere in the  
6           hospital doing an echocardiogram with the cardiologists  
7           or doing a clinic.

8   Q.   Okay.  On 22 October, it seems that the ward round was  
9           done with Dr Sands leading it and being accompanied by  
10          yourself as an SHO and by Dr Roger Stevenson, who was  
11          also an SHO; would that be your recollection?

12  A.   That's my recollection, yes, and at least one of the  
13          nursing staff.

14  Q.   Do you know which of the nursing staff?

15  A.   I don't recall.

16  Q.   You wouldn't know whether, for example, it was  
17          Kate Linskey or Sarah Field?

18  A.   I'm sorry, I don't recall.

19  Q.   When the ward round happens, was there a particular  
20          order in which patients were seen?  For example, were  
21          the sickest patients or the newest admissions seen first  
22          or was it done in a different order?

23  A.   I think if we were aware of a particularly sick child,  
24          we would often begin with them, but also there were many  
25          times we would just go through the ward round and see

1 the patients in order. If the nurses had a particular  
2 concern, they might direct us to a patient in first  
3 order, but I think we just made our way methodically  
4 through the ward round if there was no reports to that  
5 end.

6 Q. And what role would you, as an SHO, have as part of that  
7 ward round being led by a registrar?

8 A. Basically, two roles. First of all, Dr Stevenson and  
9 I would take it in turns to record notes. I do recall  
10 we divided up the patients in the ward, that we would  
11 tend to look after certain patients ourselves. I don't  
12 recall exactly how we made that determination. But  
13 we would record the notes that Dr Sands would make.  
14 Sometimes he would write in the notes himself if there  
15 were some details he particularly wanted recorded. And  
16 then often the SHO who was not directly recording the  
17 events of that patient might be sent off to chase up  
18 other lab results, maybe get an X-ray report from  
19 radiology and other various and sundry tasks connected  
20 with the patient that was being seen then or a patient  
21 who had been seen previously.

22 Q. Okay. So for example, in Claire's case, Dr Stevenson  
23 records the note. Is there anything you can take from  
24 the fact that Dr Stevenson was recording the note in  
25 Claire's case as regards your care of her?

1 A. I do recall that ward round that I was not with -- I was  
2 not directly present on the ward round when they reached  
3 Claire. It's my recollection that I was chasing down  
4 results, perhaps for another patient. I do remember  
5 distinctly seeing Dr Sands standing by the bedside  
6 talking to, I think, both of Claire's parent were there,  
7 I remember seeing that. I remember hearing as I kind of  
8 walked back and forth -- I remember hearing "non-fitting  
9 status epilepticus". That sticks out in my mind because  
10 I don't believe I was aware of that diagnosis and, if  
11 I was, I'd certainly never seen a patient with it. So  
12 I remember when I heard that, it stuck in my mind. And  
13 I do remember coming back to the ward round just as they  
14 were finishing dealing with Claire and there was a brief  
15 discussion around the notes trolley regarding Claire's  
16 condition and what the plan of management was for her  
17 that day. And I remember sort of being brought to speed  
18 on the events of Claire's case the night before and the  
19 plan of action for that day.

20 THE CHAIRMAN: Doctor, if I could interrupt for just one  
21 moment. When you said that you and Dr Stevenson would  
22 divide up the patients between you and that you would  
23 take it in turn to write the notes of the ward round,  
24 did the division follow who wrote the notes, so that for  
25 instance if Dr Stevenson wrote the notes on patient A,

1 he would take more care or a primary role in the care of  
2 patient A than you would, and then you would do  
3 patient B?

4 A. That may well have been the case, yes. I couldn't  
5 recall with precision.

6 THE CHAIRMAN: What I'm trying to understand is if I  
7 should infer anything from the fact that Dr Stevenson  
8 made the notes on the ward round with Claire.

9 A. What I do recall, sir -- I remember, he obviously wrote  
10 the notes on the ward round.

11 THE CHAIRMAN: Yes.

12 A. I do recall, in the afternoon, Dr Webb coming to see  
13 Claire and I recall him going into the bay with  
14 Dr Stevenson. I was caught up doing other business  
15 in the ward. I don't remember what it was, but it must  
16 have had some urgency to it because I had an interest in  
17 paediatric neurology, it was the specialty I intended to  
18 go into if I'd stayed in paediatrics. And I remember  
19 thinking I would love to be there to hear Dr Webb's  
20 examination of the patient and observe that for myself,  
21 but I was caught up doing other business in the ward.

22 THE CHAIRMAN: Thank you.

23 MR REID: There are a number of points raised by your answer  
24 there. Firstly, if I can bring you to your witness  
25 statement, 141/2, page 2, please. Do you have that

1           there in front of you?

2    A.   Yes, I'm getting it now.   Yes.

3    Q.   At 1(b), you are asked whether you specifically attended  
4        Dr Sands' ward round on the morning of the 22nd.   You  
5        said:

6            "I may well have been present during Dr Sands' ward  
7        round.   I normally was.   I would only have been absent  
8        if Dr Sands required my presence elsewhere.   I do not  
9        recall for certain whether I was there that day or not."

10           Are you saying to the inquiry that your memory now  
11        is clearer than it was at the point at which you were  
12        answering the witness statement?

13   A.   What I meant to say -- what I was saying then was  
14        I don't remember whether I was with Claire or not.   As  
15        I've thought about it, yes, my memory has clarified.

16   Q.   Okay.

17   A.   I was certainly present on the ward round.   That's  
18        a statement of fact.   So I wasn't trying to deny that  
19        I was present on the ward round.   At that stage, my  
20        memory wasn't as clear as it is now.

21   Q.   I'm not trying to accuse you of anything, doctor, I'm  
22        just trying to make sure that your memory is clear.   You  
23        said that one of you would write down a note and the  
24        other might go and do certain things in connection with  
25        that patient.   Would it ever be the case that one person

1           would write down the note while another might, for  
2           example, draw blood in order to take an electrolyte  
3           test, for example?

4    A.   The electrolyte tests were not normally taken during the  
5           ward round.  They cause significant distress to a child  
6           and generally you would do them later in the ward round  
7           to avoid any element of chaos being brought into the  
8           proceedings.

9    Q.   If an electrolyte blood test had been requested at the  
10           ward round, would it have been your responsibility or  
11           Dr Stevenson's responsibility to ensure that had been  
12           done?

13   A.   I remember I kept a spiral notebook in my pocket and if  
14           there were any -- if there were tests requested, I would  
15           have made a note of that in that notebook.  So it would  
16           depend.  Generally, after the ward round, Dr Stevenson  
17           and I would have discussed who was going to do what.  If  
18           there were a lot of tests going to be taken -- and often  
19           there were -- we would have divided them appropriately.

20   Q.   Would it ever be the case, for example, if Claire was  
21           nominally Dr Stevenson's patient that, for example, he  
22           would do more than you would as regards the patient?

23   A.   He certainly seemed to be the one making the majority of  
24           the notes in her case that day, both with Dr Sands and  
25           Dr Webb through the course of the afternoon.  I don't

1 recall with precision.

2 Q. Are you saying that, in general, though, it wasn't that  
3 patients were assigned to the SHOs, it was that the  
4 tasks that needed to be done for the patient were  
5 effectively divvied up between the two of you?

6 A. That's correct. Some of the wards I worked in, you  
7 would take different bays and the patients in those bays  
8 would be yours. I just don't recall exactly how we did  
9 it in Allen Ward 16 years ago.

10 Q. You say that you seem to remember non-fitting  
11 status epilepticus being discussed at the ward round.  
12 Whenever you heard that and it piqued your interest, did  
13 you speak to Dr Sands to ask him to explain that  
14 further?

15 A. I don't recall with certainty. I may well have done.

16 Q. Given the level of interest you had in paediatric  
17 neurology and the interest that was generated by that  
18 being said, do you think it was probable that you did  
19 so?

20 A. I would say so, yes.

21 Q. And do you recall any mention of encephalitis at that  
22 particular ward round?

23 A. Yes, I believe that was the working diagnosis. As  
24 I understand it, Claire's seizures had been stopped, she  
25 had epilepsy early in her life or seizure activity much

1 earlier in her life, but they'd been settled for quite  
2 some time, and it was deemed that encephalitis --  
3 I think she had a viral -- there was a question about  
4 a viral illness and maybe a history of diarrhoea or  
5 loose motions and it was mentioned the possibility of  
6 encephalitis being the, perhaps, cause of the seizures.

7 Q. Were you aware of any treatment that was suggested in  
8 order to treat the encephalitis itself?

9 A. I know she was started on acyclovir. I don't recall  
10 when that happened.

11 Q. From the notes, it seems that the acyclovir was directed  
12 by Dr Webb at around 5 o'clock that afternoon --

13 A. Yes.

14 Q. -- and was administered at around 9.30 in the evening on  
15 the 22nd. There doesn't seem to be any note of  
16 a direction of acyclovir prior to 5 o'clock in the  
17 notes. Do you have any comment to make about that?

18 A. I don't.

19 Q. Can you recall the level of concern that Dr Sands had  
20 for Claire's condition at the ward round?

21 A. Yes. He certainly was concerned about her condition.

22 Q. And how do you know that?

23 A. I just remember his tone of voice, his posture towards  
24 the parents. I remember him heading off to ... I do  
25 recall there being some confusion about the location of

1 Dr Steen and I remember him saying he was going to try  
2 and track her down and also I remember him heading off  
3 to find Dr Webb personally.

4 Q. Were you at all aware of the nursing staff who were  
5 present having any concerns for Claire?

6 A. Um ... I couldn't recall precise details, but there was  
7 definitely an atmosphere of heightened concern for  
8 Claire's condition by all the medical staff.

9 Q. And finally, were you aware of the level of concern of  
10 Claire's parents who were there?

11 A. I don't recall that with certainty. I remember Dr Sands  
12 talking to them, but I don't recall any responses they  
13 made or questions they asked.

14 Q. You don't think you were present for the entirety of  
15 Dr Sands' attendance with Claire; would that be right?

16 A. That would be correct.

17 Q. How long do you remember him being there with Claire?

18 A. Probably about 10 minutes, maybe 15 minutes.

19 Q. Would that be a longer than usual period for a doctor to  
20 spend with a patient on a ward round?

21 A. Not a new admission who had some symptoms and pathology  
22 that was concerning to a doctor, no.

23 Q. Were you at all aware of concerns that Claire's parents  
24 had, which had been passed to the nursing staff prior to  
25 the ward round?

1 A. Would you repeat that question again?

2 Q. I'll set it out for you. Staff Nurse Field says that  
3 she was spoken to by Claire's parents to say that they  
4 were concerned at Claire's appearance whenever they  
5 arrived at the hospital that morning. Staff Nurse Field  
6 says she spoke to Staff Nurse Linskey to pass that  
7 message on to Dr Sands. Were you at all aware of that  
8 course of events?

9 A. No, I was not.

10 Q. And did you have any awareness of whether the ward round  
11 was on time or was running late that morning?

12 A. Um ... Are you asking if it started late or if the ward  
13 round was taking an undue length of time?

14 Q. Let's start with the first. Do you know if it started  
15 late that morning?

16 A. I don't believe it did. Dr Sands was very punctual.  
17 I don't ever recall him being late to a ward round.

18 Q. And do you know if it was running late at that stage?

19 A. I don't think so. My recollection is we got to Claire  
20 mid-morning, but I couldn't give a precise time.

21 Q. Some of the evidence has suggested that the ward round  
22 may have been in and around 11 o'clock in the morning.  
23 Would that be a late stage for the ward round to still  
24 be continuing?

25 A. Not at all. The ward round started at 9 and would quite

1 often take the whole morning to complete.

2 Q. Do you have any sense of where the consultant  
3 paediatrician, Dr Heather Steen, was that morning?

4 A. I do remember Cupar Street being mentioned as a possible  
5 location, but that's the best -- that's the only detail  
6 I recall with precision. I do not recall seeing  
7 Dr Steen on the ward while I was there.

8 Q. And do you recall whether Cupar Street was in relation  
9 to the morning of the 22nd or the afternoon, or can you  
10 simply not recall?

11 A. I don't recall. As I recall, the conversation was  
12 a list of outlying clinics that Dr Steen was known to  
13 lead and top of that list was Cupar Street. I don't  
14 remember if there were any other specific locations  
15 mentioned, I just remember Cupar Street being mentioned.

16 Q. But you don't recall seeing Dr Steen on the ward while  
17 you were there?

18 A. I don't.

19 Q. If you had wanted to contact the consultants that  
20 morning, how would you have gone about that?

21 A. As a first time SHO, I don't recall ever calling  
22 a consultant or paging a consultant directly, unless the  
23 registrar asked me to. Normally, it was the registrar  
24 would make contact with the consultant and, as I recall,  
25 they did that through the main switchboard of the

1 hospital.

2 Q. But if the registrar was unavailable, how would you  
3 contact the consultant?

4 A. I would contact the registrar. I don't recall  
5 a registrar ever being unavailable. Certainly, if the  
6 consultant was on the ward and the registrar was, say,  
7 at a clinic, then I would talk directly to the  
8 consultant myself, but in terms of paging senior medical  
9 staff, I would work up the line of command and go to the  
10 registrar first. I don't remember ever being in  
11 a situation where I needed a registrar, couldn't find  
12 one, and had to go to a consultant.

13 Q. Would it be correct to say that the numbers of the  
14 consultants were available at the nursing station if  
15 they were required?

16 A. That may well have been the case. I don't recall on  
17 Allen Ward.

18 Q. You say that Dr Sands was leading the ward round that  
19 morning. Do you have any recollection of where Dr Sands  
20 was on that afternoon of the 22nd?

21 A. I don't recall him being on the ward round specifically.  
22 When Dr Webb came to see Claire, I distinctly remember  
23 Dr Stevenson going with him and I'm sure, if Dr Sands  
24 had been there, he would have gone as well. It's my  
25 understanding that Dr Sands would have had a clinic in

1 the afternoon, but I don't recall with certainty.

2 Q. And generally, in the afternoons in Allen Ward,  
3 in October 1996, were the registrars on the ward or  
4 would they have been off in clinics?

5 A. It would all depend. I remember Dr Sands being there  
6 a good chunk of the time, but he did have clinic  
7 responsibilities on some afternoons.

8 Q. Just going back a little bit. Whenever you came on that  
9 morning, you would have received or may have received  
10 some sort of handover from the night SHOs; would that be  
11 fair to say?

12 A. Perhaps. As a rule, though, the night SHOs had to go  
13 back to their own wards and take care of the morning  
14 work and the morning ward round on those wards. And so  
15 it was not common for the night-time SHOs to liaise with  
16 the junior SHOs at a ward level, and that if a handover  
17 was given, it was generally given informally between the  
18 registrars, who were the first point of contact.

19 Q. You don't specifically remember any handover from either  
20 Dr O'Hare, who was the registrar, or  
21 Dr Andrea Volprecht, who was the overnight SHO?

22 A. I do not.

23 Q. If we bring up 090-026-075, please. At the end of the  
24 ward round note, it's noted that Dr Sands recommended  
25 rectal diazepam, and if we go to page 075, which is in

1 front of us, we have the prescription for that:

2 "Date given, 22 October. Drug, diazepam. Dose,  
3 5 milligrams. Time of administration, 12.15. Method of  
4 administration, rectal. Signature ..."

5 And it seems that that's your signature for that;  
6 is that correct?

7 A. That is correct, yes.

8 Q. It's signed by Kate Linskey.

9 A. Okay.

10 Q. First of all, doctor, I think you may already have  
11 explained, but why would it have been you administering  
12 the rectal diazepam instead of either Dr Sands or  
13 Dr Stevenson?

14 A. I don't recall with precision. It's my recollection  
15 that Dr Sands came back from having met with Dr Webb  
16 somewhere in the hospital and I perhaps was the first  
17 doctor he met, but he asked me to sign -- to write up  
18 diazepam, 5 milligrams PR.

19 Q. What did he tell you about the diazepam at that stage;  
20 can you recall?

21 A. It was a sort of first line of management in treating  
22 a child with presumed ongoing seizures.

23 Q. Did he say anything else about Claire at that stage?

24 A. I don't recall. I do recall Dr Webb was going to come  
25 and see her, and that really the first order of business

1 was to get an urgent neurology consult.

2 Q. So in terms of what you remember from Dr Sands, from the  
3 ward round, non-fitting status epilepticus was  
4 discussed, encephalitis was also discussed, and then he  
5 came to you and asked you to administer diazepam for  
6 ongoing seizures; is that right?

7 A. Yes, sir. I signed the kardex, I wouldn't have given --  
8 I wouldn't have actually administered the diazepam, for  
9 obvious reasons.

10 Q. Yes, you prescribed it and the nurse administered it;  
11 is that right?

12 A. That's correct.

13 Q. Would it have been possible that you would have been  
14 present during the administration of the diazepam?

15 A. I was not.

16 Q. If I can refer you to a page in the clinical notes.  
17 It's Dr Webb's first attendance at 090-022-053. If that  
18 can be brought up on screen, please. At the bottom half  
19 of that page is Dr Webb's first attendance. It's  
20 incorrectly dated, it should be, "22 October 1996 at  
21 2 pm".

22 On the sixth line down it says:

23 "Note, appeared to improve following rectal diazepam  
24 5 milligrams at 12.30 pm."

25 Do you have any knowledge of that particular

1 incident happening?

2 A. I don't. Of, what, her improving after the diazepam --

3 Q. Yes --

4 A. -- or Dr Webb seeing and saying that?

5 Q. The improvement following the administration of the

6 diazepam.

7 A. Not directly.

8 Q. Do you know who may have informed Dr Webb of that

9 improvement?

10 A. I don't. I imagine it would have been Dr Stevenson

11 and/or the nursing staff with him. I couldn't say. As

12 I was not there, I could not say with precision in any

13 sense.

14 Q. You say then you recall Dr Webb coming on to the ward

15 and attending Claire with Dr Stevenson; is that correct?

16 A. I do.

17 Q. And that you thought it was unfortunate that you weren't

18 able to be present because you wanted to learn more

19 about paediatric neurology?

20 A. That certainly would have been a desire, yes.

21 Q. Whenever that attendance by Dr Webb had finished, did

22 you speak to either him or Dr Stevenson about what had

23 happened at his attendance?

24 A. I remember wherever I went, whether I went into another

25 bay in Allen Ward or in the nursing station. When

1 I came out, he had already left and there may well have  
2 been a conversation with Dr Stevenson. I don't recall  
3 with precision.

4 Q. And do you know what you might have discussed with  
5 Dr Stevenson?

6 A. Well, being unable to recall the conversation with  
7 clarity, I wouldn't be able to recall what we discussed.

8 Q. Earlier on, you said that non-fitting status was  
9 mentioned at the ward round and that Dr Sands has spoken  
10 to you later on about the diazepam. Did you have any  
11 knowledge of how you might confirm a diagnosis of  
12 non-fitting status epilepticus?

13 A. Yes, an electroencephalogram.

14 Q. And what was your knowledge of the availability of an  
15 EEG in October 1996?

16 A. That's hard to recall because my understanding of  
17 paediatric neurology and the services available evolved  
18 over my three years in paediatrics. I certainly knew by  
19 the time I left paediatrics that the EEG test, the  
20 electroencephalogram test, would have been prescribed by  
21 a consultant neurologist, and so the way to arrange one  
22 of those things would have been to liaise with the  
23 neurologist, who then examined the child and decided  
24 whether such a test was necessary.

25 Q. Would you have had any consideration at that time of

1           treating non-fitting status epilepticus without the  
2           benefit of an EEG?

3   A.   Not at that stage of my medical training, I don't  
4           believe so, no.

5   Q.   Dr Webb, in his latest witness statement to the  
6           inquiry -- that's 138/3, page 2, just for the benefit of  
7           those in the chamber -- he said that he was contacted  
8           about Claire Roberts after an apparent seizure at 15.10,  
9           3.10 pm, on the 22nd. He said he believes this contact  
10          was made by a doctor, but he couldn't recall by whom.

11        Do you have any knowledge of you contacting Dr Webb that  
12        afternoon?

13   A.   I don't have any direct recollection of that, no, but  
14           I'm as sure as I can be that I did not contact Dr Webb.  
15           I feel sure that would be a detail I would remember.

16   Q.   You say you don't recall contacting Dr Webb at this  
17           point or you wouldn't recall contacting Dr Webb at any  
18           point during the afternoon?

19   A.   I don't remember ever speaking to Dr Webb that day or at  
20           any time during Claire's admission to the Royal Belfast  
21           Hospital for Sick Children.

22   THE CHAIRMAN: Sorry, doctor, if I've got it right, you  
23           believe that if you had spoken directly to Dr Webb or  
24           contacted him, you would remember that?

25   A.   I would.

1 THE CHAIRMAN: So your best guess is that you did not have  
2 any direct contact with Dr Webb that day?

3 A. Yes, sir, that's correct. I'm really quite certain  
4 about that.

5 THE CHAIRMAN: Okay, thank you.

6 MR REID: Can I ask you this then: you have said in your  
7 witness statements you do not recall any direct contact  
8 with the Roberts family, as in Mr and Mrs Roberts and  
9 Claire's grandparents. Is that also the case as far as  
10 your recollection of them is concerned?

11 A. Yes, sir.

12 Q. So I suppose you're as sure as you can be that you had  
13 no contact with them?

14 A. That's correct, sir, yes.

15 Q. I think we spoke earlier about the fact that your day  
16 shift that day finished at 5, and then the evening shift  
17 began at 10. Did you go home between 5 o'clock and  
18 10 o'clock?

19 A. Yes.

20 Q. Whenever you left at 5 o'clock, what do you think your  
21 knowledge was of Claire's condition at that time?

22 A. I knew she had been seen by Dr Webb. I don't believe  
23 I was there at 5 pm when he saw her for the last time.  
24 I knew she had been seen by Dr Webb and that Dr Webb was  
25 going to be examining her and deciding whether or not

1 non-fitting status epilepticus was indeed the diagnosis  
2 that we were going to follow, how that was going to be  
3 examined, and what would be appropriate treatment  
4 measures to undertake.

5 Q. Would you have been aware of the seriousness of Claire's  
6 condition at 5 o'clock?

7 A. I certainly knew she was a child who was unwell, yes.

8 Q. We've heard various evidence throughout the inquiry that  
9 at some points the doctors would have considered Claire  
10 to have been the sickest child on the ward. Would you  
11 have considered Claire to have been the sickest child on  
12 the ward at 5 o'clock?

13 A. Yes, sir.

14 Q. And can I ask why you would have thought that?

15 A. She was a young girl presenting with disordered levels  
16 of consciousness. Status epilepticus is a serious  
17 condition that needs to be remedied and the underlying  
18 cause needs to be elucidated. That was just a group of  
19 symptoms that we would have known to take seriously.

20 THE CHAIRMAN: Sorry, doctor, I just want to clarify  
21 this: are you saying now that, looking back on it, she  
22 was the sickest child on the ward, or are you saying  
23 that on 22 October you regarded her as the sickest child  
24 on the ward?

25 A. I believe ... As I recall that night, Claire was the

1 major patient I had to deal with on Allen Ward, that  
2 Allen Ward was quite quiet, medically speaking, that  
3 night, and that I spent most of my time up in  
4 Musgrave Ward and maybe the haematology ward as well.  
5 So I do feel back then she was the sickest child on  
6 Allen Ward that I was aware of. I certainly don't  
7 remember any other patients who had generated that level  
8 of concern in the ward.

9 THE CHAIRMAN: Thank you.

10 MR REID: And do you know whether that level of concern  
11 would have been communicated to nursing staff in  
12 Allen Ward?

13 A. Yes. The nursing staff in Allen Ward were very, very  
14 experienced and they'd seen many children and I have no  
15 doubt they knew that Claire was an unwell child and the  
16 sickest child on the ward, if indeed she was.

17 Q. Is that an assumption or do you actually know whether  
18 they were aware of the seriousness of her condition?

19 A. Well, I know they were experienced. I know they had  
20 seen a whole range of paediatric patients and were  
21 well-versed in understanding with, I think, some clarity  
22 which children on the ward were doing very well and  
23 which ones were causing concern. It was the normal  
24 practice for the doctors to discuss this with the  
25 nursing staff, and the nursing staff were often the ones

1           who would raise concerns with the doctors about  
2           patients, especially the junior doctors, when they would  
3           bleep us at night-time. So the nursing staff certainly  
4           did know which patients to keep an eye on and I would  
5           see no reason to doubt that that was the case on  
6           22 October.

7    Q. I suppose the issue that is raised is that Claire's  
8           parents were allowed to leave by nursing staff in and  
9           around 9.00/9.15, on the evening of the 22nd. And  
10           there's an issue the inquiry is investigating as to  
11           whether the medical and nursing staff were aware of the  
12           seriousness of Claire's condition if indeed the parents  
13           were then allowed to leave that evening. Do you have  
14           any comment to make about that? I obviously understand  
15           that you weren't present at that time.

16   A. Well, I think there's no question that none of the  
17           medical staff that day expected such an acute  
18           deterioration of Claire's care that night. I do  
19           remember that Dr Webb had said ... And I don't remember  
20           when I learned this, but I do remember he had made  
21           comment that if she -- if her disordered level of  
22           consciousness had remained unchanged through the night,  
23           that they would be arranging a CT scan the next morning.  
24           In my sense, I suppose I may have taken that as Dr Webb  
25           expected her to maintain -- the possibility of her

1 remaining with a reduced coma score overnight was  
2 certainly on the cards.

3 Q. You said there you remember that Dr Webb had said  
4 something, but you couldn't remember how you learned  
5 that. You've said that you didn't have any direct  
6 contact, you don't recall any direct contact with  
7 Dr Webb.

8 A. I am sure of that.

9 Q. Do you presume that you learned that from other doctors  
10 or the notes or what?

11 A. It would either have been -- there were only three  
12 possibilities, I think. Either from Dr Stevenson before  
13 I left that afternoon, from Dr Hughes at the handover  
14 later on that night, or from the medical notes  
15 themselves. But I couldn't recall with certainty how  
16 I came to that precise piece of information.

17 Q. And were you aware of anyone informing the parents of  
18 the seriousness of Claire's condition?

19 A. Not directly.

20 Q. As you said, during the ward round, you would have  
21 assumed that some of that would have been communicated  
22 on, but you don't have any direct recollection of  
23 anybody discussing her condition with the parents.

24 A. I don't.

25 Q. At 5 o'clock, would you have been aware of the

1 anticonvulsant treatment other than the diazepam,  
2 obviously, that Claire had received over the afternoon  
3 of 22 October?

4 A. I would need to check when that was prescribed, but yes,  
5 if it was prescribed earlier in the afternoon then  
6 I would have been aware of it. If it was prescribed at  
7 5 pm when Dr Webb saw her for the last time that day,  
8 then I don't think I would have been aware of it then  
9 because it's my recollection I'd left the hospital  
10 shortly before 5 pm.

11 Q. If we go back to 090-026-075, which is the drugs  
12 prescription sheet, we can see there your once-only  
13 administration of diazepam. There are then also  
14 once-only administrations of phenytoin at 2.45, of  
15 midazolam at 3.25, and -- from the fluid balance  
16 chart -- there's also a continuous infusion of midazolam  
17 from 4.30. Would you have been aware of all of those  
18 anticonvulsant drugs at 5 o'clock?

19 A. Certainly the earlier ones, yes, the phenytoin and the  
20 midazolam. I'm sure I would have been aware of those  
21 when I left the ward. Dr Stevenson would have been  
22 given a heads up on that as I left, I'm sure.

23 Q. Why would he have given you a heads up, is that because  
24 he knew you were on the night shift that night?

25 A. Yes, sir.

1 Q. So you think Dr Stevenson would have handed over to both  
2 Joanne Hughes, who was coming on for that 5 to 10 shift,  
3 and yourself because you were doing the on call  
4 overnight?

5 A. I don't recall with certainty, but we did work in the  
6 same ward, we did talk about the patients, so I'm sure  
7 I would have been aware of that, but I don't recall with  
8 precision.

9 Q. So you don't actually recall the handover from  
10 Dr Stevenson, but you assume that that's normally what  
11 would have happened; is that right?

12 A. Yes.

13 Q. Can I ask you then just about your overnight shift?  
14 Would it be correct to say that overnight from 10 pm  
15 until 9 am the following morning, there would be one  
16 registrar covering all of the wards of the hospital and  
17 that was Dr Brigitte Bartholome; is that correct?

18 A. That's correct, yes.

19 Q. And then there would be an A&E SHO and then there would  
20 be yourself as the SHO for all of the other wards;  
21 is that right?

22 A. That's correct.

23 Q. Would it be the case, as we've heard from other  
24 witnesses, that on the overnight shift your duties  
25 generally were to carry out tests and check on things

1 that needed to be done and were told to you by the staff  
2 that were on before you and the nursing staff, and then  
3 also then to respond to any abnormalities that might  
4 happen overnight; is that right?

5 A. The main task on call overnight was to clerk in new  
6 patients who came into the hospital generally via the  
7 Accident & Emergency department. That took up quite  
8 a bit of our time. Then, yes, we'd have been  
9 responsible for other sundry tasks on the various wards,  
10 giving the first dose of IV antibiotics, giving other IV  
11 medications that the nurses were not covered to give,  
12 taking some blood results that were outstanding, that  
13 were urgent in the evening, things of that nature.

14 Q. So would it be fair to say that it's really twofold?  
15 Firstly, you have your scheduled tasks such as  
16 medications, blood samples and so on, and then you have  
17 your reactive tasks, clerking in new admissions and  
18 reacting to crashes and so on?

19 A. That would be correct, yes. But the clerking in of new  
20 admissions and taking care -- being the first point of  
21 contact for unwell children would be the top of the list  
22 of priorities as a rule.

23 Q. I presume top of the list of priorities after crash  
24 calls.

25 A. Of course, but they didn't happen very regularly.

1 Q. If we turn to your witness statement at 141/1, page 3,  
2 question 4(b).  
3 A. Of my first statement?  
4 Q. Just give me one moment, please. I'll come back to that  
5 in a moment.  
6 A. Okay.  
7 Q. I haven't got the reference for the moment, but you  
8 state in your witness statement that you recall that  
9 that night was particularly busy for both you and  
10 Dr Bartholome; is that right?  
11 A. That's correct, yes.  
12 Q. And that both of you spent the night moving quickly from  
13 one urgent case to another?  
14 A. That's correct, yes.  
15 Q. What do you mean by "a particularly busy on-call shift"?  
16 A. Well, I certainly don't remember that many quiet nights  
17 at Children's Hospital. There were two of us covering  
18 well over 100 beds and it was very, very busy. You had  
19 patients coming in, a new patient could take you  
20 anything up to an hour, maybe more, to take care of, to  
21 really assess them appropriately, do the blood work, get  
22 lines in and so forth and so on. So it was a constant  
23 juggling match of priorities when you were on call.  
24 Q. We had Dr Bartholome giving evidence a fortnight ago.  
25 I asked her if it was the case that really you'd be

1            firefighting, almost, overnight, as incidents arose;

2            would you accept that?

3    A.    I would say that would be correct, yes.

4    Q.    And how would you comment generally on the workload that  
5            you and Dr Bartholome faced during those on call shifts?

6    A.    Often overwhelming.

7    Q.    And do you think that you had sufficient resources  
8            during that period?

9    A.    Certainly more help would have been greatly appreciated.

10   Q.    But you did the best you could?

11   A.    Of course.

12   Q.    If I can ask you then about your handover from  
13            Dr Hughes, who was the doctor directly on before you  
14            between 5 and 10 pm. Can you recall having any sort of  
15            handover from Dr Hughes that particular evening?

16   A.    I do.

17   Q.    And do you recall where that took place?

18   A.    I believe it occurred in Allen Ward. She had just  
19            resited an IV cannula and I remember feeling some relief  
20            because, at that stage, I struggled to get IV access in  
21            children, it was a difficult task to master, it took me  
22            some time to do that. So I remember feeling relief when  
23            she told me she had resited the cannula just before  
24            I had arrived. She told me that she had taken a U&E,  
25            a urea and electrolyte blood test, and also she had sent

1 off a serum phenytoin level that was to be checked  
2 before we began giving the IV phenytoin later that  
3 night.

4 Q. Can I just ask you, coming back to something else, the  
5 letter that we had up earlier, 302-147-001, and you say  
6 that you saw a number of children during your day shift  
7 on Allen Ward; isn't that right?

8 A. That's correct.

9 Q. But the only one you can recall with precision is  
10 Claire Roberts; is that right?

11 A. That's also correct.

12 Q. Is there any reason that you recall with some clarity  
13 the events surrounding Claire during 22 October, but  
14 can't recall any other patient that day?

15 A. During my time in paediatrics -- I spent three years in  
16 paediatrics -- three patients died who were directly  
17 under my care: one in Allen Ward that night,  
18 Claire Roberts; a little girl in paediatrics --

19 Q. Sorry, doctor, just so we -- obviously --

20 THE CHAIRMAN: Sorry, doctor. I'm quite happy for you to  
21 give this answer, but you'll understand I don't want you  
22 to give the names of any other children; okay?

23 A. I won't give the names of the children.

24 THE CHAIRMAN: That's what Mr Reid was making sure you  
25 didn't do. I think you want to make a point about how

1           this explains why you remember Claire's case.

2    A.   Yes.

3    THE CHAIRMAN:   If you go on ahead with that.

4    A.   So Claire in October.   In the summer of my second year,  
5           a little girl died when I was in paediatric intensive  
6           care, who had meningococcal septicaemia.   And then  
7           a little baby died in my last attachment when I was at  
8           the Ulster Hospital as a second term SHO and I saw that  
9           child in A&E.   And I remember the details of those cases  
10          with crystal clarity and could walk you through them,  
11          here, now, without having seen the notes in 16 years.

12                 And also, a few weeks before Claire, as I said  
13                 earlier, there was a little boy in Musgrave Ward who  
14                 came in with diabetic ketoacidosis.   He was really very  
15                 seriously unwell.   We admitted him to paediatric ICU and  
16                 I could walk you through the events of his case now this  
17                 evening without reference to the notes there.   They're  
18                 burnt in my mind.

19                 And of all those patients, Claire was the first  
20                 little girl ever to die under my care and I don't think  
21                 I'll ever forget the details of her case.   They'll stay  
22                 with me to the end of my life.

23    MR REID:   Thank you, Dr Stewart, for that explanation.

24                 It's just one other point, just in regard to your  
25                 memory, because you say that you recall that you had

1 a handover from Dr Hughes that night. Is it the fact  
2 that you remember that you had a handover from Dr Hughes  
3 or is it the fact that you just remember having  
4 a handover?

5 A. I remember having a handover from a doctor. I don't  
6 believe I'd have remembered Dr Hughes' name, but  
7 I remember having a handover from a female doctor.

8 Q. Thank you. You say you would have had a handover from  
9 Dr Hughes in Allen Ward. What do you think that  
10 Dr Hughes would have told you about Claire's condition  
11 at that handover?

12 A. She told me that she resited the Venflon -- or the IV  
13 cannula -- that she had taken blood for U&E and  
14 phenytoin, and that I was to keep an eye out for those  
15 results later on in the evening. I believe she said  
16 that the lab would phone them through to the ward --  
17 I couldn't be precise about that -- and I believe she  
18 also told me about the increase in the midazolam  
19 infusion that had been given, that had increased the  
20 midazolam at 9.30, as well.

21 Q. Do you think that she might have told you about an  
22 attack or an incident at 9 pm that night?

23 A. I believe she may have mentioned it in connection to the  
24 increase of the midazolam.

25 Q. If we can bring that up for the benefit of those in the

1 room, 090-042-144, and this is the "Record of attacks  
2 observed" document. It's recorded at 9 pm that there  
3 was:

4 "[An] episode of screaming and drawing up of arms;  
5 pulse rate increased to 165 beats per minute; pupils  
6 large, but reacting to light. Doctor informed.  
7 Duration 30 seconds. State afterwards, asleep.  
8 Initials [Lorraine McCann]."

9 Dr Hughes was giving evidence yesterday and she  
10 accepted that the doctor informed was most probably her,  
11 but she couldn't recall precisely. Do you recall her  
12 saying any of that information to you at that time?

13 A. I do not.

14 Q. Simply that she just thinks there was an episode and  
15 that midazolam was increased as a result; is that what  
16 you're saying?

17 A. Yes, and I feel confident she asked Brigitte about that  
18 because I can't imagine an SHO taking the decision to --  
19 midazolam was not commonly prescribed and Brigitte was  
20 the Paul Ward registrar, the paediatric neurology  
21 registrar, so I feel very confident that Joanne liaised  
22 with Brigitte regarding the increase in midazolam.

23 THE CHAIRMAN: Well, doctor, at the risk of reconstructing  
24 events, if she told you, as you recall, that the  
25 midazolam had been increased, is she also likely to have

1 told you why it was increased?

2 A. Yes, sir.

3 THE CHAIRMAN: Which may lead back to the attack at  
4 9 o'clock?

5 A. That's my recollection.

6 THE CHAIRMAN: Okay. So you don't actually remember her  
7 mentioning the attack at 9 o'clock, but you do remember  
8 her saying that the midazolam had been increased and  
9 your best guess is that she might have explained why?

10 A. I feel confident now that she told me the midazolam was  
11 increased, she had talked with Brigitte, and I believe  
12 it was all connected with that attack at 9 pm.

13 THE CHAIRMAN: Right, thank you.

14 MR REID: So as far as you were concerned, what did you have  
15 to do in regard to Claire's care overnight after  
16 receiving that handover from Dr Hughes?

17 A. I knew I needed to give her the phenytoin later on in  
18 the evening and I knew you had to keep an eye out for  
19 her U&E as well. At that stage, the phenytoin wasn't  
20 my -- it was the most pressing lab result regarding  
21 Claire. The U&E was, I believe, carried out simply  
22 because they had venous access, she was on IV fluids,  
23 it would not have been unusual to check a child's serum  
24 sodium twice a day if they were on -- the whole U&E  
25 twice a day if they were on fluids and they were unwell.

1           So I presume that -- well, at that stage, I don't  
2           remember any alarm being raised regarding a potential  
3           significant drop in her serum sodium.

4    Q.   And would you have been aware of her Glasgow Coma Scale  
5           scores or the fact that she was on hourly central  
6           nervous system observations?

7    A.   I knew she was on hourly observations.  I don't recall  
8           precisely what knowledge I had of her Glasgow Coma Scale  
9           scores, but I knew they'd fluctuated through the day,  
10           but I couldn't -- I can't recall precisely my level of  
11           recollection then.

12   Q.   Dr Hughes yesterday spoke about the fact that during the  
13           5 to 10 shift, there would often be a walkabout, as she  
14           described it -- not a formal ward round, but a walk  
15           around with maybe the registrar or the SHO.  Would that  
16           have been something that would have been familiar to you  
17           in October 1996 in those night shifts?

18   A.   Sometimes, but quite often, you would track the SHO down  
19           and wherever they were in the hospital, you would find  
20           them, and they would give you a quick handover of the  
21           patients causing considerable -- that were of concern to  
22           them, any tests that were yet to be carried out, and any  
23           new admissions that were expected in through Accident &  
24           Emergency.  There wouldn't generally have been time for  
25           a walk round all the wards.

1 Q. Do you remember any walk around of the wards that night?

2 A. I don't.

3 Q. Mr Chairman, I'm aware that Dr Stewart has until 2.30.

4 I think the stenographer will need a short break at some  
5 point during this period and I think it might be best  
6 placed to do it now so I can get on to the serum sodium  
7 result at 11.30 and the administration of the phenytoin  
8 in the latter period.

9 THE CHAIRMAN: Okay. Doctor, I don't know if you followed  
10 that. The recordings here are made through  
11 a stenographer and we're going to give him a short  
12 10-minute break. We'll rejoin you in 10 minutes and get  
13 the rest of your evidence completed in the following  
14 hour; is that acceptable?

15 A. Yes, sir, thank you very much.

16 THE CHAIRMAN: Thank you very much. We'll be back in  
17 10 minutes.

18 (1.23 pm)

19 (A short break)

20 (1.33 pm)

21 THE CHAIRMAN: Doctor, can you hear us?

22 A. I can indeed, yes.

23 THE CHAIRMAN: We can't quite see you yet.

24 A. I can hear and I can see you.

25 THE CHAIRMAN: We can all see each other now, thank you.

1           Let's go again.

2   MR REID:   Doctor, thank you.  A few queries arising out of  
3           your evidence so far.

4           You say that you heard non-fitting  
5           status epilepticus being discussed whenever you passed  
6           the ward round; is that right?

7   A.  Yes.

8   Q.  Mr and Mrs Roberts have given evidence and said that  
9           what they were told at the ward round was that Claire  
10          had a viral illness and had some sort of internal  
11          fitting, but they do not recall being specifically told  
12          or it being discussed that Claire had non-fitting  
13          status epilepticus; do you have any comment to make  
14          about that?

15  A.  I don't.

16  Q.  Do you know any reason why you think that non-fitting  
17          status epilepticus was said, but that the Roberts don't  
18          recall that being said?

19  A.  I could give conjecture, but I have no way of explaining  
20          what they do and don't recall.  It's not uncommon for  
21          patients and their relatives, when they're talking to  
22          doctors -- what you mean to say, what you do say and  
23          what they hear you say are often three different things,  
24          and quite often they -- statements, jargon can go over  
25          their mind, they might not have known what those words

1           meant and so they mightn't have lodged in their memory,  
2           whereas the more down-to-earth description that they do  
3           remember is what they took away with them, but I have no  
4           way of helping the inquiry in that regard.

5   Q.   I think the point has been made previously in evidence  
6           that they do have a clear recollection of that ward  
7           round, but as you say, you can't assist us any further  
8           with that.

9   A.   Yes, I'm sorry.

10   Q.   In Dr Stevenson's original note, which is at  
11           090-022-053, he said:

12                 "Impression: non-fitting status."

13                 Then at some later stage, Dr Sands added:

14                 "/encephalitis/encephalopathy."

15                 Do you know when those additional notes were added  
16           on?

17   A.   I couldn't say with certainty, but I remember Dr Sands  
18           often editing my records of his ward rounds at the time  
19           by the bedside. So I would make my notes and Dr Sands  
20           would come back and maybe add a word here or there and  
21           something I had missed. So whether it happened at the  
22           time or later, I can't say, but I do know his normal  
23           practice was to add additional notes as he thought  
24           necessary at the time.

25   Q.   And do you have any recollection of when you first

1 recalled noticing that additional entry to the notes?

2 A. When I was reviewing the notes for the inquiry was the  
3 first time recently that I remember seeing that  
4 editorial comment.

5 Q. And when do you first recall the working diagnosis of  
6 status first being reached in Claire's case?

7 A. At her bedside or shortly afterwards. It might have  
8 happened when we had moved the trolley out of the bay  
9 and were talking round the notes trolley and we were  
10 talking about the patient, but I do remember it being  
11 said and I'd never certainly seen a patient with that  
12 diagnosis before and I don't ever even believe having  
13 heard that diagnoses before, so it piqued my interest.  
14 I am quite certain it was mentioned then at the ward  
15 round or shortly afterwards.

16 Q. And can I ask you just about the taking of bloods at the  
17 ward round -- actually, in general. How often with  
18 patients on Allen Ward would you have expected blood  
19 testing of electrolytes to have been done?

20 A. It would depend on the condition, but certainly  
21 a patient who is unwell and on IV fluids, at least once  
22 a day.

23 Q. Would it have been not unusual to have checked the  
24 U&E twice a day, for example?

25 A. That would not be unusual.

1 Q. When would bloods normally be taken? Would they be  
2 taken, for example, before the ward round, after the  
3 ward round or at some other time during the day?

4 A. The bloods we were aware of would be taken before the  
5 ward round and the bloods that arose during the ward  
6 round naturally would be taken afterwards.

7 Q. So for example, in Claire's case, where the sodium  
8 result was from the night before -- first of all, were  
9 you aware that the sodium result in Claire's case was  
10 from the night before at the time of the ward round?

11 A. I don't recall.

12 Q. And do you recall whether or not Dr Stevenson or  
13 Dr Sands were aware that the sodium result was from the  
14 night before?

15 A. I don't recall.

16 Q. Just finally before we move on -- first of all, you said  
17 about the consultant contact, and that during your time  
18 you would never have directly contacted a consultant and  
19 I asked you about the availability of their contact  
20 details. Was there a whiteboard at the nurses' station  
21 with the consultant contact numbers or anywhere on the  
22 ward?

23 A. I can't recall with certainty for Allen Ward back then.

24 Q. Well, what do you recall?

25 A. In some wards I worked on there were, in other wards

1           there weren't, and it's hard to remember which  
2           whiteboard is which, if you understand me, if you excuse  
3           my expression, now. But there was never any sense that  
4           the registrars didn't know how to contact a consultant.  
5           Whenever they went to get a consultant by paging them or  
6           through the switchboard, whatever way they used, there  
7           was never a sense that we couldn't find a consultant --  
8           or very rarely, anyway.

9   THE CHAIRMAN: Yes. Doctor, I'm sure that's generally  
10           right. Unfortunately, it rather seems as if Claire's  
11           case is the exception because --

12   A. Yes, sir, I realise that.

13   THE CHAIRMAN: -- there does seem to have been a problem  
14           with contacting Dr Steen at various points on Tuesday.

15   A. I do recall that, sir, yes.

16   THE CHAIRMAN: Thank you.

17   MR REID: At the ward round, do you have any recollection of  
18           any recent seizure activity being discussed?

19   A. I don't recall.

20   Q. Do you have any recollection of any history of diarrhoea  
21           being discussed?

22   A. I believe that was mentioned, yes, but I couldn't be  
23           certain. It's hard to remember what I remember  
24           independently and what I remember because I've read the  
25           notes.

1 MR QUINN: Mr Chairman, at page 20 on the [draft]  
2 transcript, there was a history given by the witness  
3 in relation to what he supposedly heard at the ward  
4 round and I would like some questions asked in relation  
5 to that, which we've now passed up to my learned friend.  
6 MR REID: Dr Stewart, you said that during the ward round  
7 there was some discussion about a history of viral  
8 illness with diarrhoea and loose stools. That's what  
9 you said earlier in your evidence to the inquiry today.  
10 A. Yes.  
11 Q. Is that what you recall?  
12 THE CHAIRMAN: Sorry, doctor, just to quote you directly,  
13 what the transcript of today's hearing says is:  
14 "I think she had a viral -- there was a question  
15 about a viral illness and maybe history of diarrhoea and  
16 loose motions, and it was mentioned the possibility of  
17 encephalitis being perhaps the main cause of the  
18 seizures."  
19 A. That's a good summary of what I recall, sir, yes.  
20 THE CHAIRMAN: Right.  
21 MR REID: And the history of diarrhoea or the loose motions  
22 or the stools; do you know where that came from?  
23 A. I do not recall, sir, no.  
24 Q. Because the Roberts say that, first of all, there was no  
25 history of diarrhoea, loose stools, and secondly,

1 because of that, they wouldn't have mentioned to  
2 Dr Sands at the ward round of any history of diarrhoea  
3 or loose stools. Do you have any comment to make about  
4 that, doctor?

5 A. I don't. I do believe there was history of  
6 a foul-smelling bowel motion, but that's what I've  
7 learned in my reading of the notes. It's hard for me to  
8 recall with precision. I'm trying to be as helpful as  
9 I can.

10 Q. Is it the case that there are certain elements where you  
11 directly recall it and certain elements where you might  
12 have picked it up from the notes?

13 A. That would be a fair summary, yes, sir.

14 Q. And I think the reference to the foul-smelling bowel  
15 movements might have been Mrs Roberts' reference to  
16 "smelly poo" on the Friday before the admission on the  
17 Monday; would that be correct?

18 A. That may be correct.

19 MR QUINN: While we're on this point, Mr Chairman, the  
20 second point at [draft] page 20 is that there is mention  
21 of encephalitis were perhaps the cause of the seizures.  
22 But what we have to realise at this stage, there were no  
23 seizures recorded in the hospital treatment. And  
24 encephalitis was not diagnosed until it was added  
25 several hours later by Dr Webb in his own admission.

1           Sorry, by Dr Sands after speaking to Dr Webb.

2   THE CHAIRMAN:  But does Dr Sands not say that encephalitis  
3           was discussed?

4   MR QUINN:  Well ...

5   THE CHAIRMAN:  Sorry, you're right on the point that  
6           encephalitis was added to the notes some hours later.  
7           But Dr Sands' evidence, subject to correction, is that  
8           encephalitis was discussed during the ward round.  That  
9           was his evidence.  I know Mr and Mrs Roberts don't agree  
10          with that.

11  MR QUINN:  The moot point here is: this witness seems to be  
12          giving evidence from a very, very clear recollection  
13          a long time ago, but it seems that all of this was on  
14          the transcript and it seems that none of that may have  
15          been in the notes.  That is the evidential notes.  
16          I just want to know whether the witness is genuinely  
17          giving evidence from his memory or is he giving evidence  
18          from a review of the notes.

19  THE CHAIRMAN:  I think we run into the recurring problem,  
20          Mr Quinn, about the combination of the two.  This  
21          witness does have a memory for reasons which he has  
22          given, which strike me as compelling.  The next question  
23          is how entirely reliable is that memory or to what  
24          extent is it affected or jogged by reading the  
25          transcript or reading the note or whatever.

1 MR QUINN: You have the point, Mr Chairman.

2 THE CHAIRMAN: Mr Green?

3 MR GREEN: Sir, the reference to Dr Sands' evidence is right  
4 so far as your recollection of it is concerned. The  
5 reference is page 116 of the transcript for, if memory  
6 serves me right, 19 October. The question at line 9  
7 was:

8 "Question: And do you think that was discussed  
9 during the ward round, the encephalitis?

10 "Answer: I think it was discussed amongst the  
11 medical staff and I may not have used those words with  
12 Mr and Mrs Roberts, I may have couched it in different  
13 terms. But yes, I do think it was discussed at the ward  
14 round and it's not noted."

15 THE CHAIRMAN: Okay. Thank you.

16 Dr Stewart, if you've been able to follow those  
17 exchanges, you'll know that, not surprisingly, there's  
18 some debate about what was discussed at different times  
19 16 years ago at various stages of Claire's treatment and  
20 ward round, et cetera. That is entirely unsurprising.  
21 It would be shocking if there actually was agreement on  
22 what was discussed 16 years ago. But just on one point  
23 that you have raised earlier today, your memory was that  
24 encephalitis was mentioned as being perhaps the cause of  
25 the seizures. But at that point it's not obvious that

1 seizures had been noticed or recorded, at least since  
2 she came into the hospital and, in fact, for that  
3 matter, before. So when you refer to encephalitis  
4 perhaps being discussed as the cause of the seizures,  
5 do you want to reconsider that evidence or could you  
6 expand on it at all?

7 A. Yes. What I mean to say is that in the light of the  
8 phrase "non-fitting status epilepticus", there would be  
9 no visually observable seizures. But That was the  
10 working diagnosis that Dr Sands had at the ward round.  
11 I remember that precisely being mentioned. And a common  
12 cause of seizures in a previously well child would be  
13 some inflammation or infection of the brain and  
14 surrounding tissue. It would certainly be one of the  
15 things you'd want to rule out, first and foremost.

16 THE CHAIRMAN: Okay, thank you. Let's move on, Mr Reid.

17 MR REID: Before we move on to the events of the evening of  
18 the 22nd, I've been asked to ask you, doctor, have you  
19 at any point discussed your giving of evidence today  
20 with any of the clinicians who are involved in the case?

21 A. No.

22 Q. After the handover from Dr Hughes and your coming on  
23 shift at 10 pm that night, it seems that the first noted  
24 event --

25 A. If I can just say one thing. Just a point of

1 clarification. Whenever I heard initially of the  
2 inquiry, when the e-mail arrived in my inbox some time  
3 ago, I did call Andrew Sands. It was partly through  
4 him -- I friended him on Facebook and I did call him to  
5 touch base with him. He said to me immediately at that  
6 time that it would not be proper to discuss any of the  
7 details of the case. I understood. But he did say it  
8 had been a very stressful time going through all of the  
9 questions the inquiry had given him, but we didn't talk  
10 about any of the details of the case then and I've had  
11 no further calls with any of the other physicians.

12 I did try to contact Brigitte way back then at the  
13 beginning, I left a message with her secretary, which  
14 she did not return, and having spoken to the Medical  
15 Protection Society, they advised me to have no contact  
16 with her and I didn't make any further attempts to  
17 contact either Dr Brigitte [sic] or Dr Sands and  
18 we haven't spoken at all about anything since then.

19 THE CHAIRMAN: Thank you.

20 MR REID: The first thing that seems to happen in regard to  
21 Claire once you come on shift is the 11 pm  
22 administration of phenytoin. If we go to the nursing  
23 note 090-040-138. This states at 11 pm, it's Staff  
24 Nurse McCann's note:

25 "IV phenytoin erected by doctor and run over one

1 hour. Cardiac monitor in situ throughout infusion."

2 If we go to the fluid balance chart at 090-038-135,  
3 please, you can see on the fluid balance chart,  
4 phenytoin is noted in the sixth column over, with  
5 a number of 110 and the total amount of 170, being the  
6 60 of acyclovir and the 110 of phenytoin.

7 A. Yes.

8 Q. First of all, do you have any recollection of the IV  
9 phenytoin being erected that night?

10 A. I do, and it is somewhat in variance of the nursing  
11 notes. It's my recollection that the nurses paged me  
12 shortly after 11 to tell me that the phenytoin -- they  
13 were drawing up the IV antibiotics, the cefotaxime, and  
14 they paged me to come and give the phenytoin. I believe  
15 the result had been called back to the ward along with  
16 the U&E. Then I went -- they gave the cefotaxime  
17 shortly before I arrived in the ward and I then erected  
18 the phenytoin with the other bag of fluid that I made  
19 at the time. That's my recollection.

20 Q. Okay. So we know from the drug prescription sheet at  
21 090-026-077 that Staff Nurse McCann administered  
22 cefotaxime at 11.20 pm; is that right?

23 A. That's correct.

24 Q. And so you're saying that the nurses are drawing up that  
25 cefotaxime to be administered and they say to you,

1 "Doctor, it's time for Claire's phenytoin as well";

2 is that right?

3 A. That's correct, and I believe ... It's my  
4 recollection -- this kind of thing happened so often but  
5 it's my recollection the results of the phenytoin and  
6 the U&E had been phoned through to the ward.

7 Q. Is it because of that that you attend Claire at 11.30,  
8 or are you given the sodium result? How does that come  
9 about?

10 A. When I arrived on the ward, I'm given the U&E and the  
11 phenytoin and immediately see the sodium is an abnormal  
12 result. I go to examine Claire, I remember distinctly  
13 now trying to see her fundi with an ophthalmoscope, but  
14 her pupils were very small and her eyes kind of roved.  
15 She was obviously in a semi-comatose state or comatose  
16 state and was unable to keep her eyes still -- which is  
17 difficult for a child at the best of times -- and I was  
18 unable to obtain a clear sight of the back of her  
19 fundus.

20 Q. Okay. We will get on to the 11.30. If we just stick to  
21 the issue of the phenytoin at the moment, doctor, and  
22 we'll move on to the sodium in a moment. You're saying  
23 that first of all that the nursing note, 090-040-138,  
24 which says the phenytoin was erected at 11 pm is  
25 inaccurate; is that right?

1 A. If my recollection is correct, yes, it's slightly  
2 inaccurate. It was given during the 11 o'clock hour,  
3 but it wasn't given until later if my recollection is  
4 correct.

5 Q. If we look at the regular prescription sheet at  
6 090-026-077, and bring alongside it the IV prescription  
7 chart at 090-038-136, please. Would you accept, doctor,  
8 that there's no note by you of the phenytoin being  
9 administered in the notes?

10 A. That's correct. Well, I sign it here at 9.30 pm when  
11 I wasn't in the hospital, and that's my signature "NS"  
12 beside it. But I didn't record it in the clinical  
13 notes, that's correct.

14 Q. I see. So are you saying that you signed the phenytoin  
15 at 9.30, but that the administration is later on?

16 A. That is correct. I actually remember that. I was  
17 leaving the ward, heading on for other urgent business  
18 in the hospital, and a nurse called after me and said,  
19 "Dr Stewart, you haven't signed for the phenytoin". She  
20 said, "You haven't signed the kardex", and I said -- she  
21 said, "The phenytoin was due at 9.30". There was some  
22 mention of 9.30 or -- she brought the kardex to me and  
23 I remember looking for what number it was on the kardex.  
24 It was A, it was due at 9.30, and in my haste I signed  
25 the phenytoin at the time it ought to have been given

1           rather than the time I did give it. So it's a scribal  
2           error on my part.

3    Q. You accept it should have been written in the other time  
4           section of the kardex?

5    A. That is correct.

6    Q. Before we go into the sodium result, you had the  
7           phenytoin level in the blood. If we look at  
8           090-022-056, please, the phenytoin level returned from  
9           those bloods at 9.30 was 23.4 and you've also noted down  
10          the range, the normal range of 10 to 20; is that right?

11   A. That's correct.

12   Q. Would you accept then obviously the 23.4 is above the  
13          range of 10 to 20?

14   A. That is correct.

15   Q. The question then is: if the phenytoin range was above  
16          10 to 20, why did you administer the phenytoin at that  
17          stage?

18   A. Because I remember discussing it with Dr Brigitte  
19          Bartholome and she was the registrar who covered  
20          Paul Ward during the day, which was paediatric  
21          neurology. She had significant experience in that  
22          regard, and I remember her telling me to run it in more  
23          slowly. Normally, it would be given -- I forget how  
24          long, but over a few minutes and I believe --

25   Q. Sorry, one moment, doctor, sorry. You're speaking

1 a little bit fast. It's a little fast for the  
2 stenographer. If you could just slow down a little bit.

3 I think you said:

4 "She had significant experience in that regard and  
5 I remember her telling me to run it in more slowly.

6 Normally, it would be given ..."

7 A. Over a few minutes. She asked me to give it more slowly  
8 over a -- I believe, an hour. It's a very small amount  
9 of fluid, and so we diluted it in a large amount of  
10 fluid. I remember that discussion with her, and  
11 I believe it happened at 11.30, during this, but  
12 I remember having to give it over an hour, run it in  
13 more slowly.

14 Q. So would it then have been given over the hour, 11.30 to  
15 half past midnight?

16 A. That would seem to be correct, yes.

17 THE CHAIRMAN: Sorry, doctor, when you say that the way to  
18 slow down the administration is to put the phenytoin in  
19 more liquid than would normally be done, in other words  
20 you dilute it more; is that right?

21 A. Well, I don't recall precisely what happened that night.  
22 The notes suggest to say that there was 100 ml or so of  
23 fluid that were used to dilute the phenytoin.

24 I remember it being given over an hour, and it would be  
25 difficult to titrate the infusion in a bag over an hour

1 as it was a very small amount of fluid.

2 THE CHAIRMAN: That means that you have to use a larger  
3 amount of fluid than would have been the case if the  
4 phenytoin reading was within the range of 10 to 20?

5 A. Um ... To give the infusion over a longer period of  
6 time with a smaller amount of drug, the drips you use  
7 wouldn't be very accurate if you only had a few  
8 millilitres, so it would not be uncommon of using  
9 a slightly larger amount of fluid to run the phenytoin  
10 through. How much I used that night, I don't directly  
11 recall.

12 MR REID: Do you know what dilutant you used for the  
13 phenytoin?

14 A. Almost certainly normal saline. I don't recall using  
15 any other fluid.

16 Q. In terms of that IV fluid prescription chart, which is  
17 at 090-038-136, is it the case that the administration  
18 of an IV fluid such as this should be written into that  
19 chart?

20 A. Um ... Yes. I think that's a fair statement.

21 Q. And do you accept on that basis that there is not an  
22 entry for the phenytoin on that chart?

23 A. Yes. Only on the back, it's noted that it's given at  
24 some time during the 11 o'clock hour. There's no  
25 delineation for half hours or quarter hours, just it's

1 given during the 11 o'clock hour period.

2 Q. And this is on 090-038-135?

3 A. That is correct. It seems to finish after midnight,  
4 in the 12 o'clock hour.

5 Q. Finally, just in terms of the phenytoin, you've signed  
6 it on the drug prescription chart at 90-026-077. We've  
7 heard evidence from Sister Angela Pollock, who was the  
8 ward sister at the time, and she says that the  
9 administration of intravenous drugs would normally be  
10 double signed by, say, a doctor or a nurse. There's  
11 just your signature for the administration of the  
12 phenytoin. Were drugs double signed in October 1996 on  
13 Allen Ward?

14 A. I don't recall that.

15 Q. The chairman has Staff Nurse Pollock's evidence on that.

16 You say that you came to see Claire at 11.30. Was  
17 that as a result of knowing about the phenytoin, that  
18 the phenytoin had to be administered, or was it because  
19 of something else?

20 A. As I recall, the nurses called me to the ward, primarily  
21 because of the phenytoin result, but also the U&E result  
22 was back. I don't remember whether they made any  
23 comment to me about its abnormality or the levels.

24 Q. So were the nurses aware of the electrolyte level at  
25 that stage?

1 A. Certainly after I left the ward they were, yes.

2 Q. But were they aware of the electrolyte level whenever  
3 they called you to come and see Claire at 11.30?

4 A. I don't recall with precision.

5 Q. But you think that the reason they called you was  
6 because the phenytoin needed to be administered?

7 A. That's my recollection. That was the primary reason for  
8 me going to the ward.

9 Q. So you arrive on the ward and how do you get the U&E and  
10 phenytoin results? Who gives them to you or how do you  
11 obtain them?

12 A. I believe they were given to me on a piece of paper.

13 Q. Would that have been handed --

14 A. It's possible that -- pardon?

15 Q. Was that handed to you by one of the nurses or by whom?

16 A. Yes, one of the nurses.

17 Q. Do you know which nurse?

18 A. I don't.

19 Q. So you're handed the piece of paper with the U&E results  
20 and the phenytoin on it; is that right?

21 A. That's correct.

22 Q. And what is your reaction to the results that you see  
23 before you?

24 A. Well, I noticed -- my immediate concern is the serum  
25 sodium. I also note the phenytoin is a little high.

1 I wasn't experienced in giving phenytoin, so I knew I  
2 would want to talk with Brigitte about the phenytoin,  
3 but my main priority of concern was the serum sodium of  
4 121, which was low, and it was at that stage that I went  
5 quickly to look at Claire to give her a quick  
6 assessment. I don't remember much of that.  
7 I remember -- I do distinctly remember trying to view  
8 her fundi and being unable to do so. And I went back to  
9 call Brigitte, I paged Brigitte the moment I went back  
10 to the nurses' station, I began scribbling my notes,  
11 I put in the U&E first and the phenytoin level and the  
12 normal range, and wrote my impression, and she returned  
13 my call just after I had written my impression of what  
14 we should do. I had written:  
15 "Impression: query need for increased sodium content  
16 in fluids."  
17 And that's whenever she bleeped me back to the ward  
18 and she said to me at that time -- we discussed the  
19 various issues facing Claire and I suggested, I said,  
20 "Do you think we need to give increased sodium in the  
21 fluids, that's a low sodium level", and she said, "Yes,  
22 we do need to normalise her sodium, but we need to do so  
23 in a controlled fashion. Reduce the fluids to  
24 two-thirds and I'll come and see her".  
25 We also spoke about the phenytoin, and that's when

1 she advised me to run it in over an hour and give it  
2 more slowly.

3 Q. Okay. If we break that down. First of all, your note  
4 is at 090-022-056, please. So you say you received  
5 a note and you want to speak to Dr Bartholome about the  
6 phenytoin, but you were particularly concerned that the  
7 sodium was low; is that right?

8 A. Yes.

9 Q. And so you go to the nursing station in order to page  
10 Dr Bartholome and speak to her, and during that, you  
11 start to record your note, which is the note we have  
12 before us at 090-022-056; is that right?

13 A. That's correct.

14 Q. You note down the sodium, 121, potassium, urea, the  
15 creatine, and the phenytoin and its range first.

16 A. Correct.

17 Q. At that stage, do you consider that a repeat blood  
18 sample might have been warranted?

19 A. I wanted to call the registrar first of all rather than  
20 subject Claire to numerous venipunctures. I thought  
21 I would call Dr Bartholome and see what her plan of  
22 management was, so I wouldn't have to go back and  
23 unnecessarily try to regain IV access.

24 Q. So you record the sodium of 121. Were you aware of what  
25 her previous sodium had been?

1 A. Yes, I believe I was. It was written in the morning  
2 ward round at 132, I believe, and I believe I assumed  
3 that was the morning's result at that time.

4 Q. So you assumed that the 132 was from the morning --

5 THE CHAIRMAN: Sorry, doctor, this is a little bit off the  
6 point, but can I ask you about that? If 132 is recorded  
7 in the note of the morning ward round, does it not  
8 follow that that cannot be the result obtained following  
9 a test taken on the ward round?

10 A. No. What I mean is quite often the SHO on call that  
11 night would do the morning bloods any time around 6.30,  
12 7 o'clock. Those test results would be filtering in  
13 often during the ward round and that is one of the  
14 things we would be sent to check up on.

15 THE CHAIRMAN: Thank you.

16 MR REID: So you're saying, as far as you're aware, the 132  
17 result was from the morning. Were you at all aware of  
18 the 132 result from the previous evening?

19 A. I don't recall. I'm sure I looked at them, I am sure  
20 I read the whole notes. I don't recall precisely.

21 Q. You say you are sure you would have looked at the notes.  
22 Do you know which notes you would have looked at?

23 A. I would imagine all of them. I don't recall that with  
24 precision.

25 Q. Would you have looked at, for example, her central

1           nervous system observation chart?

2    A.   I don't recall precisely when I looked at that chart.

3           I'm sure I looked at it at some point, but I don't

4           recall precisely when.

5    Q.   Would you have looked at her record of attacks observed?

6    A.   Um ... I don't believe I did. I don't recall.

7    Q.   Would you have looked at her nursing notes?

8    A.   I wouldn't have looked at the nursing notes, no. I'd

9           have talked to the nurses.

10   Q.   And would you have looked at her fluid balance chart?

11   A.   Um ... I may well have done. I couldn't say with

12           precision that I did, but I'm sure I did. With a sodium

13           of 121, I imagine I did. I certainly queried low sodium

14           fluids, I knew she was getting No.18 Solution, which is

15           a low-sodium fluid.

16   Q.   And you said before about your experience with the

17           patient with diabetic ketoacidosis. Was Solution No. 18

18           used in that case?

19   A.   I believe that -- I couldn't say with certainty.

20           I couldn't say with certainty.

21   Q.   And before you contacted Dr Bartholome, how concerned

22           were you for Claire's condition at that stage?

23   A.   I was certainly concerned for her. That was an

24           unusually low serum sodium concentration.

25   Q.   Did you give any significance to the fact that, as you

1 thought, the sodium had dropped from 132 that morning at  
2 around 11 o'clock to 121? As far as you were aware, you  
3 thought the sodium had dropped from 132 to 121 in the  
4 space of 12 hours. Did you think that was at all  
5 significant?

6 THE CHAIRMAN: I think, doctor, you said that was your  
7 immediate concern, was the low sodium; is that right?

8 A. That was my immediate concern, yes.

9 THE CHAIRMAN: And you knew it was dropped. So whatever the  
10 time period over which it had dropped, it had dropped  
11 from 132 to 121. Was that the prompt for you to call  
12 Dr Bartholome?

13 A. I now know with my years of experience in paediatrics  
14 that the issue with low sodium is not so much how low is  
15 the number, but how fast it drops. I'm not sure if  
16 I was aware of that then. I'd seen certainly some adult  
17 patients during my houseman's year that had very, very  
18 low sodiums and had been surprisingly well. But I knew  
19 it was an unusual number and I needed to tell the  
20 registrar forthwith about it.

21 THE CHAIRMAN: Right. So the note that you had started to  
22 write, that has the results in it, and then, before  
23 Dr Bartholome comes back to you on the pager, had you  
24 written:

25 "Hyponatraemic. Query fluid overdose and low-sodium

1 fluids, query SIADH"?

2 A. Certainly.

3 THE CHAIRMAN: Is it at that point then that Dr Bartholome  
4 comes back to you?

5 A. She called me back, just as I was finishing writing:  
6 "Query need for increased sodium content in fluids."

7 THE CHAIRMAN: Right.

8 A. It's that point I discussed with the registrar and we  
9 probably changed from what I was thinking to what she  
10 was saying.

11 THE CHAIRMAN: Okay.

12 MR REID: You have written, "Hyponatraemic, query fluid  
13 overload". What was your awareness of hyponatraemic  
14 fluid overload in October 1996?

15 A. Well, I certainly tried to think along the lines of  
16 first principles, so when a patient's sodium drops, with  
17 the risk of oversimplification, you're either  
18 thinking: are they losing sodium or do they have too  
19 much water causing a relative dilution of the sodium  
20 concentration in their blood? And I imagine it was  
21 along the lines of those primordial references to first  
22 principles that I would have gone to.

23 Q. So you're basically saying that you were aware that if  
24 you put too much fluid in, it dilutes the fluid in the  
25 body, and that can cause the sodium to drop; is that

1           what you're saying?

2    A.   That's correct, yes.

3    Q.   So effectively, you are aware of the situation of

4           dilutional hyponatraemia?

5    A.   Yes.  Mostly, though, in connection to 5 per cent

6           dextrose, which contains no sodium.  I was much more

7           aware that that was a fluid without any sodium in it at

8           all that could cause alarming drops of serum sodium.

9           That's my recollection.  I didn't know of any connection

10           per se with No.18 Solution.

11   Q.   But you do consider in this note that No.18 Solution was

12           a low-sodium fluid; isn't that right?

13   A.   Yes.  As in lower than the 0.9 per cent, that would be

14           the serum concentration in blood.

15   Q.   So it was a hypotonic rather than an isotonic fluid?

16   A.   With respect to sodium, yes.  There's dextrose as well

17           in No.18 Solution that keeps the tonicity appropriate.

18   Q.   In terms of the SIADH, what was your knowledge of that

19           in October 1996?

20   A.   Well, I knew that patients who had suffered head trauma

21           or infection of the brain or were having

22           status epilepticus -- I knew that nearly any disorder,

23           pathological disorder of the central nervous system,

24           could cause the syndrome of inappropriate ADH secretion,

25           which would cause retention of free water and a lowering

1 of the serum sodium, amongst other things.

2 Q. Can I ask, doctor, were you surprised that no other  
3 clinician throughout the day had considered, at least in  
4 the notes, the possibility of SIADH?

5 A. I don't remember feeling surprised that evening about  
6 that. I think it was more focused on: what do we do  
7 now?

8 Q. Were you surprised at the level of the sodium though?

9 A. It certainly was alarmingly low.

10 Q. Then the final part before you discussed with the  
11 registrar is:

12 "Impression: query need for increased sodium content  
13 in fluids."

14 And can you just explain briefly what you meant by  
15 that, please?

16 A. Well, I suppose it was my immature rumination as to what  
17 we should do next, and I knew we needed to work to  
18 normalise the sodium, to bring that concentration up to  
19 a more appropriate level. I was certainly aware of the  
20 dangers of hyponatraemia causing cerebral oedema. So  
21 that was one of the first things that was coming to my  
22 mind as to potential treatment modalities. But as  
23 I say, Dr Bartholome's return of my page rendered my  
24 thinking irrelevant, and it was her thinking then that  
25 I was listening to.

1 Q. You say you were certainly aware of the dangers of  
2 hyponatraemia causing cerebral oedema. By that, do you  
3 mean also then that of course that there would be  
4 increased intracranial pressure I presume, as well, yes?

5 A. Yes, sir.

6 Q. And what checks or examinations did you make to see if  
7 Claire was suffering the effects of increased  
8 intracranial pressure?

9 A. Well, before I called Dr Bartholome I went to examine  
10 her quickly. My examination was fairly unproductive.  
11 She did have a reduced Glasgow Coma Scale. I vaguely  
12 remember the increased tone in her limbs, but I remember  
13 specifically trying to look in the back of her eyes and  
14 that comes back to me. I remember being unable to see  
15 anything in the back of her eye. I just couldn't see  
16 the optic disc, which is quite difficult to locate if  
17 the eyes are moving and if the pupils are small.  
18 I remember thinking that she was examined by Dr Webb  
19 during the afternoon and really the person who needs to  
20 carry out this examination is Dr Bartholome. So rather  
21 than, if you will, waste undue time with an  
22 inexperienced doctor with a fruitless examination from  
23 my perspective, I wanted to involve a more senior  
24 medical professional, who I thought would be better  
25 equipped to carry out that examination.

1 Q. And were you checking for papilloedema when you were  
2 checking the eyes?

3 A. Yes.

4 Q. I have to ask you, your note in front of you, why didn't  
5 you note the attempted eye assessment that you did in  
6 the clinical notes?

7 A. That's a good question. Looking back on it now -- I was  
8 known to be a very detailed notetaker. When I clerked  
9 patients in and examined patients I recorded a lot of  
10 details that may have seemed to others as being  
11 irrelevant, but I had a system for examining patients  
12 that I tended to follow. I made it a practice never to  
13 call a registrar about a patient that I had not  
14 examined. It appears unprofessional. So I would always  
15 examine in some way. So I am quite surprised to note  
16 that I made no note of it. The only thing I can  
17 construct from that night was that when Brigitte  
18 interrupted me, her plan of treatment seemed more urgent  
19 to me to instigate rather than me finishing my note, and  
20 it was my impression that she was going to come and  
21 carry out that examination herself and would presumably  
22 have more fruitful details to include in the charts.  
23 But that's a reconstruction.

24 Q. Can I ask you about your contact with Dr Bartholome.  
25 You said you went to try and page her; is that right?

1 A. I went to the nursing station, yes.

2 Q. And she phoned back. Was that pretty quickly that she  
3 phoned back?

4 A. I'd only written a few lines, so yes, within a minute or  
5 two.

6 Q. How long did your conversation with her last?

7 A. It was fairly brief, a couple of minutes.

8 Q. And do you know what you told her about Claire's  
9 condition?

10 A. I remember discussing the sodium, the potassium, the  
11 phenytoin, and I remember her saying she would come and  
12 see the patient.

13 Q. Do you remember discussing Claire's diagnoses with  
14 Dr Bartholome?

15 A. That would be normal. I don't precisely remember saying  
16 the words, but it would be normal when you called  
17 a registrar to say, "I'm concerned about this patient,  
18 are you aware of her?", and she might say, "Yes, I know  
19 about her", and then I would move on or I would say,  
20 "This is the details". I don't recall precisely what  
21 happened in the conversation that night.

22 Q. And would you have told her about what you thought was  
23 the drop -- not only the fact that the sodium was 121,  
24 but that you thought it had dropped from 132 that  
25 morning?

1 A. I believe I did, yes.

2 Q. And would you have told her about the medication that  
3 Claire was on --

4 A. Yes.

5 Q. -- the anticonvulsants and so on?

6 A. Yes.

7 Q. And would you have told her about her Glasgow Coma Scale  
8 scores or her central nervous system observations?

9 A. It would be normal that I would have done, but I don't  
10 recall with precision. It was a brief conversation.  
11 The impression I had was she was going to see the  
12 patient, so we didn't spend a lot of time on the phone.  
13 It wasn't as if we were planning out how I would manage  
14 the patient in her absence. It was my understanding she  
15 was going to see the patient whenever she finished her  
16 current work.

17 Q. Do you know what she was involved in at that time?

18 A. It's my recollection now that she was in Accident &  
19 Emergency, seeing a patient.

20 THE CHAIRMAN: So in essence, were you taking some immediate  
21 steps, but on the basis that you expected that, very  
22 soon afterwards, Dr Bartholome would take over the  
23 control of Claire by coming to see her, forming a more  
24 experienced diagnosis, and deciding how Claire's  
25 treatment should progress from there?

1 A. That's correct. And Dr Bartholome's suggestion of  
2 restricting the fluids was certainly more conservative  
3 than the suggestion I had made. That cued me into the  
4 fact that -- that led me to assume that while this was  
5 very serious, we had time on our hands to make those  
6 corrections judicially over several hours, and even over  
7 the course of the night.

8 MR REID: So you consider that Dr Bartholome's intervention  
9 of reducing the fluid to two thirds was a little more  
10 conservative than maybe what you would have considered;  
11 is that right?

12 A. She told me that herself. I suggested giving the  
13 increased sodium fluid, she said, "No, we need to bring  
14 the sodium up in a more controlled fashion". I think  
15 that was the kind of phrase she used.

16 Q. Did you discuss a repeat test?

17 A. We did not.

18 Q. Do you think that's something that should have been  
19 discussed?

20 A. Um ... It was my understanding that she was going to  
21 come and see the patient and she would make  
22 a determination then as to what, if any, further bloods  
23 should be taken. So I wasn't surprised that we didn't  
24 discuss that because I thought she would be seeing her  
25 fairly soon and would be better equipped at that stage

1 to direct me or to take the blood herself for further  
2 analysis.

3 THE CHAIRMAN: Well, doctor, can I ask you then: if that's  
4 the basis upon which you expected things to develop,  
5 there was always a risk that Dr Bartholome was going to  
6 get caught up in A&E or elsewhere, as seems to be the  
7 case; right?

8 A. Yes, sir.

9 THE CHAIRMAN: Because she didn't come soon afterwards and  
10 examine Claire and come up with a more developed or  
11 alternative plan for her treatment. Okay?

12 A. That's correct.

13 THE CHAIRMAN: During the subsequent hour or two, did you  
14 keep an eye on what was happening because of your  
15 concern about Claire and to make sure that Claire's  
16 condition was not deteriorating any further?

17 A. It's a fair question. It's my recollection that I was  
18 essentially run off my feet the rest of the evening.  
19 I didn't stop until very, very much later on that night,  
20 really in the morning. Dr Bartholome was Germanic in  
21 her efficiency, she was the most senior of the senior  
22 registrars, she was revered in the hospital, I was on  
23 call with her many times, and I had never known her in  
24 my life to miss -- to not see a patient whenever she was  
25 asked to. In fact, I never knew that Dr Bartholome

1           hadn't seen Claire until the precipitous deterioration  
2           later on in the morning. I didn't realise that there'd  
3           been a gap from my call and Dr Bartholome seeing Claire  
4           until actually I began to review the notes of the  
5           inquiry this year.

6   THE CHAIRMAN: Right.

7   A. So I left the ward -- in my mind, the fluid restriction,  
8           which is probably the most conservative treatment that  
9           could have been instituted that night, keyed me into the  
10          fact that whilst serious, we had time on our hands, and  
11          we needed to be circumspect in the way we normalised  
12          this little girl's sodium concentration. I believe  
13          Dr Bartholome was going to see Claire in short order and  
14          I also knew that the nursing staff on Allen Ward were  
15          aware that Dr Bartholome was coming, they were aware of  
16          the plan of management and I assumed that they would  
17          either call me or call Dr Bartholome over the course of  
18          the night if there was any change in Claire's condition,  
19          or if Dr Bartholome had been unduly delayed in coming to  
20          examine her.

21   THE CHAIRMAN: Thank you. We're going to lose the  
22          connection in a couple of minutes, so we've got limited  
23          time to ask what is left to be asked.

24   MR REID: Can I just ask you, doctor, is it the case that  
25          the connection is finishing in five minutes or is it

1           that you've another appointment? What is the situation  
2           at present?

3   THE CHAIRMAN: I think it's our connection.

4   A. Patrick, would you go and ask precisely the state of  
5           play?

6           I want to be of as much help to the inquiry as  
7           possible, so I'm more than willing to stay on today if  
8           we can or come back another day if that would be helpful  
9           to assist you in your enquiries.

10   MR REID: I don't think there's a great deal more --

11   THE CHAIRMAN: We'll check at our end. (Pause).

12           Apparently, doctor, there's somebody else coming in  
13           to use your facility at 3 o'clock. So that gives us  
14           just over 30 minutes, if we can try and trespass on that  
15           to keep going for another few minutes. We've not got  
16           very much more to ask you. I think we're coming towards  
17           the end of your evidence and it'll be more satisfactory  
18           to complete it today than re-establish the connection at  
19           another time.

20   MR JARRETT: The problem is the facility has a deposition  
21           scheduled at 10 o'clock, so they're going to have to use  
22           the connection again.

23   A. Is it possible to take a few minutes beyond 9.30?

24   MR JARRETT: He said until 9.45 at the latest.

25   A. So we have another 18 minutes.

1 THE CHAIRMAN: Thank you.

2 MR REID: Without wanting to compromise the evidence,  
3 Mr Chairman, I will certainly try my best.

4 THE CHAIRMAN: Just for reassurance, doctor -- for you at  
5 your end and everybody at our end -- if we can complete  
6 your evidence in the next 15 or so minutes, we will do  
7 that, but we don't do it at the risk of not getting all  
8 the evidence you can give us, and if we have to  
9 re-establish the link another day, we will do that.  
10 Okay?

11 A. Glad to help you in that manner, sir.

12 MR REID: Just one thing out of what you said before we  
13 spoke there. Were the nursing staff aware of the  
14 seriousness of Claire's condition and what was being  
15 done? I think you said they were aware that  
16 Dr Bartholome might be attending later on in the  
17 evening.

18 A. Would be attending, yes. They knew that the serum  
19 sodium concentration of 121 was an alarming one and that  
20 we needed to take action to rectify it.

21 Q. How quickly did you think that Dr Bartholome was going  
22 to be attending Claire after you spoke to her?

23 A. That's hard for me to say. I trusted her to see Claire  
24 as quickly as would have been appropriate. She was  
25 aware of Claire's condition and she would have been best

1           able to judge how urgent Claire needed to be seen. In  
2           my view, we had time on our hands. I knew we could have  
3           admitted the child to paediatric intensive care. That  
4           was never discussed, but I knew that was the treatment  
5           modality that was available to us. That was never  
6           discussed, so I believed that we had time on our hands  
7           and, some time in the next hour or two, at least I would  
8           say, Dr Bartholome would have attended Claire and  
9           examined her for herself.

10        Q. And I think you have said you didn't have time to call  
11           in with Claire again. Did you follow up at any time to  
12           see whether Dr Bartholome had attended Claire?

13        A. I don't recall doing that.

14        Q. And do you regret not doing that to see how Claire was  
15           being handled?

16        A. I think that's fair to say. Hindsight has a habit of  
17           giving a deceptive clarity over past events. But  
18           certainly with the information that I have now, there  
19           are many things I regret, and that'd be one of them.

20        Q. You say that you don't think you had a discussion with  
21           Dr Bartholome about admission to PICU. Did you have  
22           a discussion with her about contacting the on-call  
23           consultant?

24        A. We did not.

25        Q. Would you have expected Dr Bartholome to have contacted

1 the on-call consultant?

2 A. I would have expected her to do so, yes, but only after  
3 she had examined Claire for herself. Unless she was so  
4 tied up with an emergency in Accident & Emergency that  
5 detained her then, yes, that would have been  
6 something -- a pathway of care that she could have taken  
7 had she thought necessary. But I would not have  
8 expected her to have called Dr Steen had she been  
9 expecting to come and examine the patient herself  
10 because you would normally examine the patient and then  
11 call and see your doctor, for obvious reasons.

12 Q. And do you consider that perhaps you should have  
13 contacted the on-call consultant?

14 A. Absolutely not. With the information I had then, I had  
15 referred the case to ...

16 THE CHAIRMAN: I think, doctor, the tragedy here is that you  
17 had been called to Claire at some point soon after  
18 11 pm. You knew things weren't going well, you had  
19 contacted Dr Bartholome, who was considerably more  
20 experienced than you were, and in essence she had taken  
21 a slightly conservative line on what should be done,  
22 which paradoxically gave you some reassurance. And if  
23 I --

24 A. Yes, sir.

25 THE CHAIRMAN: -- understand you right, you then expected

1 her to take over charge and, if needs be, call in the  
2 consultant.

3 A. That's correct.

4 THE CHAIRMAN: And those last two steps didn't happen, so  
5 the next thing that, on the medical side -- there's  
6 a collapse at about 3 o'clock.

7 A. That's correct, sir, yes.

8 THE CHAIRMAN: So there's a time span of something over  
9 three hours during which Claire's condition deteriorated  
10 and she wasn't seen by any doctor.

11 A. That's correct, sir. It certainly appears that way from  
12 the notes.

13 THE CHAIRMAN: Yes, okay.

14 MR REID: Just on your note, the very final line, "send  
15 urine for osmolality", was that your idea or was it  
16 Dr Bartholome's idea?

17 A. Dr Bartholome's, definitely.

18 Q. And was urine sent at that time for osmolality?

19 A. I told the nursing staff about it. It would normally be  
20 their responsibility to collect urine with a bag,  
21 perhaps. I'd never catheterised a child at that stage  
22 or done a suprapubic puncture of the bladder to collect  
23 urine. That would be something that a registrar would  
24 have assisted me with, after an examination, where  
25 necessary.

1 Q. If I can bring you to the fluid balance chart,  
2 090-038-136, please. That's on the intravenous fluid  
3 prescription chart. At number 3, we have your reduction  
4 to two-thirds of the rates of the Solution No. 18.  
5 Do you have that there?

6 A. Yes, sir.

7 Q. You can see the type of fluid, "normal saline",  
8 scribbled out, and "No. 18" is written in. Can you  
9 explain why normal saline was scribbled out?

10 A. I can't at this stage, no. I can't at this stage, no.  
11 It was also -- normal saline was written up at the  
12 normal rate of -- I think it was 64 ml per hour.

13 Q. Yes.

14 A. I may have made that note in anticipation of Brigitte  
15 calling me back and when she said not to use a higher  
16 concentration of sodium, I added in the No. 18. I can't  
17 say for sure. But I seem to have made that note in  
18 connection with the 64 ml per hour of fluids, which was  
19 the amount of fluids she was getting before my  
20 conversation with Brigitte. What may have happened --  
21 it wouldn't be fair to say what may have happened.  
22 That's the best I can say, sir. It's a reconstruction  
23 from the evidence before me.

24 Q. Thank you for that. But you reduced the rate to two  
25 thirds, which was from 64 to 41 ml per hour.

1 A. That's correct.

2 Q. That's at 11.30. Also at 11.30, you're administering  
3 110 ml of phenytoin over one hour; is that right?

4 A. That's correct.

5 Q. Given that, that meant that between half 11 and half 12,  
6 Claire was to receive 110 plus 41, which is 151 ml  
7 in that time. Because of the administration of that  
8 phenytoin, does that mean that, in fact, Claire was  
9 receiving more fluid over that hour period rather than  
10 less fluid?

11 A. That would seem to be correct, yes. I don't recall  
12 precisely how much fluid I used for the phenytoin, but  
13 it is marked, I think, at 110. I don't recall how much  
14 I used. That would seem to be a fair conclusion to  
15 make, yes.

16 Q. Although I think you have said that some of that might  
17 have been -- you're not sure of the diluent of the  
18 phenytoin, but some of that might have been normal  
19 saline?

20 A. Yes, sir.

21 Q. So were both and you Dr Bartholome aware that this  
22 phenytoin fluid was going in at the same time as the  
23 reduced fluid of two-thirds?

24 A. I can't recall. I can't recall precisely what doctor --  
25 I don't know what Dr Bartholome was aware of. I do

1 remember at that time when I was told to reduce the  
2 fluids in a patient [inaudible due to interference]  
3 their major fluid amount --

4 Q. Sorry, the connection dropped for a second. You were  
5 told to reduce the fluids in a patient?

6 A. Generally, it would be a request. I mean, unless  
7 a patient was in strict fluid management, generally  
8 you'd be reducing their major hourly rate, which would  
9 be the bag of fluid that you put up and run in over the  
10 hour, which was 64 ml per hour. So I reduced that to  
11 41 ml per hour knowing, over the course of the night,  
12 she would receive a reduction of fluids as per  
13 Dr Bartholome's requirement.

14 Q. She was also receiving a very small amount of midazolam,  
15 just 3 ml per hour at that time as well. I suppose the  
16 overall question is: do you think that as well as  
17 reducing the fluids by two-thirds, that all medications  
18 should have been stopped or at least restricted during  
19 that time as well?

20 A. Certainly on hindsight, I think that would be a fair  
21 conclusion to make, yes.

22 Q. Okay. Before I go into the aftermath, just one question  
23 I've been asked to ask of you. What were the  
24 arrangements for cover at registrar and consultant level  
25 in October 1996, ie when a registrar wasn't available or

1 a consultant wasn't available, what were the  
2 arrangements for cover?

3 THE CHAIRMAN: Sorry, during the daytime?

4 MR REID: During the daytime, yes.

5 A. Well, I mean, there would be the registrar on the ward.  
6 I don't know if there were any direct guidelines or  
7 protocols to follow, but if I couldn't get my registrar  
8 on the ward or the consultant looking after the patient,  
9 I'd have tried to page or track down another one of the  
10 registrars to help me.

11 Q. So that you would always have just tried to find another  
12 senior registrar or someone who was available if you  
13 couldn't find your normal registrar or consultant?

14 A. My point of contact would always have been a registrar  
15 during the day, unless there was a consultant that, say,  
16 happened to be milling about in the ward, doing a ward  
17 round, then of course they would be very approachable to  
18 go to and speak to.

19 Q. Okay. You finished your shift that morning and did you  
20 go straight on to another day shift after the end of the  
21 on-call shift?

22 A. I went on in the morning, went back to Allen Ward, to  
23 take the bloods and do the ward round. And if I'm right  
24 that I took -- it didn't happen very often, but if  
25 I did, it would be only a couple of occasions, but if

1 I took the ward round, I probably wouldn't have got home  
2 until after lunch because being fatigued and also being  
3 inexperienced, it took me a lot longer to do the ward  
4 round than a registrar or a consultant.

5 Q. And you say that the next morning you found out what  
6 happened to Claire; is that right?

7 A. That's correct.

8 Q. And who did you find that out from?

9 A. I believe it was one of the nursing staff. It may have  
10 been ... I remember more my shock at hearing in the  
11 morning. I wasn't paged to go to her collapse.

12 I remember thinking -- I don't think actually there was  
13 an arrest call put out, but I remember thinking ... I  
14 sort of wondered had there had been an arrest call and,  
15 if there was, why wasn't I called because normally the  
16 SHO would be paged for an arrest call from the ward.

17 Q. Okay. So you think you would have found out from one of  
18 the nursing staff and you were shocked. Did you speak  
19 to any senior doctors, for example Dr Bartholome, about  
20 what happened to Claire?

21 A. I don't recall talking to Dr Bartholome about Claire's  
22 condition that day or afterwards.

23 Q. Do you think you would have spoken to her at some point?

24 A. I may have done, but I may not have done. I believe the  
25 working diagnosis that I was informed of was that she

1 had succumbed to viral encephalitis and had been  
2 transferred to ICU, and I was aware of that. At that  
3 stage that may have satisfied my understanding of why  
4 she had so tragically succumbed.

5 Q. Who do you think told you it was viral encephalitis?

6 A. I couldn't be certain. I certainly didn't learn it on  
7 the ward round the next morning. I just heard she had  
8 been rushed to ICU and was quite surprised about that,  
9 but I --

10 Q. Did you hear that she had died because of cerebral  
11 oedema?

12 A. I believe I did, yes.

13 Q. And you told us earlier that you knew that hyponatraemia  
14 could lead to cerebral oedema. Did you at the time put  
15 those two factors together to come to any conclusions?

16 A. I don't recall.

17 THE CHAIRMAN: Doctor, if you don't mind me saying so, this  
18 was the, as you've told us already, the first child who  
19 you had cared for who had died. It just seems to me,  
20 from this remove, to be a little curious that you were  
21 not more curious about what had happened to Claire.  
22 You've said that you don't recall talking to  
23 Dr Bartholome. Do you recall talking to any other  
24 doctors like Dr Sands or Dr Steen or Dr Webb or anybody,  
25 or Dr Stevenson, any of the people who you worked with?

1 A. I do believe I discussed it with Dr Sands. It's  
2 difficult to recollect what we said, but I certainly  
3 didn't speak to Dr Steen about it. And I don't recall  
4 directly speaking to Dr Bartholome.

5 MR REID: Do you remember what you discussed with Dr Sands?

6 A. Not with precision. I'm sure I did have a conversation  
7 with him about her and her condition, but it's difficult  
8 to remember those details now.

9 Q. And were you involved in any audits or investigations or  
10 discussions after Claire's death?

11 A. I was not, no. I now know there one -- yes, I would  
12 have been but I wasn't. I left Allen Ward shortly after  
13 that to go to Accident & Emergency and then I went on to  
14 Cupar Street for the second half of the year, but I was  
15 not directly involved, as I recall, with any audits of  
16 Claire's care.

17 Q. Do you know if there was an audit or investigation of  
18 Claire's death?

19 A. I do know now there was an audit, yes, looking at the  
20 notes that I think Dr Bartholome led, but I have no  
21 direct knowledge of that.

22 Q. I have one final question, unless there's anything  
23 further from the floor.

24 We were talking about the two-thirds reduction  
25 in the fluids and we were talking about the other

1 medications that were being administered. Did you say  
2 to Dr Bartholome on the phone that -- did you discuss  
3 the fact that she was to receive fluids for phenytoin  
4 and midazolam? Did you discuss those on the phone?

5 A. We discussed the phenytoin. I do not recall discussing  
6 the midazolam with her.

7 Q. You then discussed with her the two-thirds reduction of  
8 the fluids. Do you think that you should have  
9 considered asking her whether her two-thirds reduction  
10 should have applied also to the medication fluids as  
11 well as her normal intravenous fluids?

12 A. With hindsight, yes.

13 Q. And you said earlier you found out that Claire had  
14 cerebral oedema.

15 A. If we didn't discuss that, that would have been an  
16 omission on both of our parts, but it's the one writing  
17 up the fluids -- it was my responsibility.

18 Q. I have just been handed one final question. You said  
19 you found out that Claire had cerebral oedema. Do you  
20 know who told you that?

21 A. I don't recall. I do have a recollection of reading  
22 some of the notes that were made in ICU. I do believe  
23 I went to ICU and looked at some of the notes there.  
24 I don't know if I spoke to any of the doctors. ICU is  
25 a busy place. But I do recall perhaps going to ICU and

1 reading the notes and seeing some of the notes that had  
2 been made on the charts, but that's ... And certainly  
3 cerebral oedema was mentioned, I believe, several times  
4 in those notes.

5 Q. Did you say that Dr Bartholome had conducted an audit,  
6 Dr Stewart?

7 A. I believe I saw that in the course of the inquiry's  
8 documents. I have no independent knowledge of that.

9 Q. Do you have any independent knowledge of any audit in  
10 Claire's case?

11 A. I don't.

12 MR REID: I think that's probably our time, Mr Chairman.

13 THE CHAIRMAN: Yes.

14 MR JARRETT: You can have some more time. Our Atlanta  
15 office is cancelling now at the last minute, so if you  
16 guys want to continue on, it's up to you.

17 THE CHAIRMAN: Doctor, give us one moment here and we'll  
18 decide if there's anything more to be raised with you.  
19 That was hurried a little at the end, but are there any  
20 questions that are required? Is everyone content?  
21 Okay.

22 Doctor, in fact, we have finished. Unless there's  
23 anything you want to add, we will let the connection go  
24 and simply thank you for your time and your effort in  
25 contributing to the inquiry.

1 A. Thank you, sir.

2 THE CHAIRMAN: Okay, thank you very much. We can cut the  
3 link.

4 TIMETABLING DISCUSSION

5 Before we finish today -- I didn't say this at the  
6 start because I wanted to get on with Dr Stewart's  
7 evidence -- there is a report which has come in, in a  
8 slightly incomplete form, from Dr Squier, which DLS  
9 understandably want to see before Dr Herron and  
10 Dr Mirakhur give their evidence. We now expect that  
11 that report should be available for circulation, but not  
12 until tomorrow. It was for that reason that we notified  
13 DLS that we were postponing Dr Herron and Dr Mirakhur's  
14 evidence today. That also leads into the postponement  
15 of Dr Squier's evidence tomorrow.

16 Tomorrow, we will hear only from  
17 Professor Cartwright. We'll sit as scheduled on  
18 Thursday to deal with Ms Ramsay and Dr Aronson.

19 On Monday, we have Dr Scott-Jupp. Mr Sephton,  
20 I understand what you said yesterday about the potential  
21 length of his evidence. He has made himself available  
22 from his clinics for one day and we'll just start a bit  
23 earlier on Monday morning at 9.30. He has to be on  
24 a plane back to England on Monday night in order to pick  
25 up his clinics on Tuesday. So we will deal with him as

1 scheduled on Monday.

2 What we will then try to do on Tuesday, Wednesday  
3 and Thursday is deal with the evidence, if the witnesses  
4 can be available, of Dr Squier, who I know is available  
5 on the Wednesday. And if we can deal with doctors  
6 Herron, Mirakhur, Squier and Harding between Tuesday and  
7 Wednesday, and if needs be, into Thursday.

8 We'll see about availability. Had Dr Mirakhur  
9 retired when she gave evidence in Adam's case?

10 MR McALINDEN: She is retired. The only difficulty that she  
11 has presently is her husband is quite ill and she is  
12 required to regularly attend the Royal to visit him.

13 THE CHAIRMAN: Okay. Over the next 24 hours we will see  
14 what we can do about the evidence for next Tuesday,  
15 Wednesday and Thursday. What I would like to do is deal  
16 with the pathologists, namely, as I've said, doctors  
17 Herron, Mirakhur, Squier and Harding. There might be  
18 a small piece of evidence to come from  
19 Professor Neville, which we could do by video link  
20 perhaps, rather than bring him back. There are some  
21 potentially very short witnesses about the King's Fund  
22 audit preparation which we now know was being carried  
23 out in the Royal, certainly on Monday 21 October 1996  
24 and possibly Tuesday the 22nd. So it may be that  
25 there's some short evidence. I think, Mr McAlinden,

1           we have one statement in on that.

2   MR McALINDEN: I understand the statement from Mr Shields.

3   THE CHAIRMAN: And then there was a Ms Chambers who was  
4           going to try and give us a statement and there may be  
5           also a third one. If we could complete that over the  
6           next couple of days and then put them in next week.

7           Inevitably, ladies and gentlemen, this means that  
8           we're knocked a bit off schedule. What we'll do over  
9           the next few days is to work out how we can keep going  
10          as best we can. The main missing witness, even on the  
11          scenario which I have outlined, is Dr MacFaul, who will  
12          be giving evidence both on clinical and governance.  
13          We'll have to try and re-arrange him. We'll come back  
14          to you in the next few days and tell you when that is.  
15          Realistically, we're overrunning on clinical. We will  
16          not start governance next week, as we had hoped we would  
17          do. It might be, Mr Quinn, that we just have to take  
18          a little time to get governance entirely ready and start  
19          a little bit later than expected.

20   MR QUINN: Certainly from our point of view, within my team,  
21          we would welcome a short break to get the papers in  
22          order to consult with our clients and just to see where  
23          we are with the various governance papers. So we would  
24          welcome some days between the end of clinical and the  
25          start of governance.

1 THE CHAIRMAN: Okay. I can't say any more today. Tomorrow  
2 we anticipate will be a short day because  
3 Professor Cartwright's evidence is quite concise and  
4 limited. So I suspect tomorrow will be a morning  
5 session. Thursday is more likely to be a full day  
6 between Ms Ramsay and Dr Aronson. We don't have  
7 a report, Mr McAlinden, from the nursing expert who you  
8 were chasing.

9 MR McALINDEN: No. I don't think there has been any  
10 response at all. It's still outstanding.

11 THE CHAIRMAN: Something we're familiar with. Okay.  
12 Thank you very much.

13 MR QUINN: If, on balance, you're saying that we're not  
14 going to sit on Monday the 19th, the 20th and Wednesday  
15 the 21st, or perhaps the week, we would welcome an early  
16 indication because there are a number of governance  
17 reports that we are still looking for, a number of  
18 witnesses still have be to interviewed, as I understand  
19 it. We certainly don't have the full complement of  
20 papers. So we would welcome some early indication,  
21 perhaps tomorrow, as to what the timetable might be.

22 THE CHAIRMAN: You'll know by Thursday; at worst, before we  
23 break this week. We'll work that out. Thank you very  
24 much.

25 (2.55 pm)

1 (The hearing adjourned until 10.00 am the following day)

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I N D E X

DR NEIL STEWART (called) .....1  
    Questions from MR REID .....1  
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