

1
2 (10.00 am)
3 (Delay in proceedings)
4 (10.07 am)
5 THE CHAIRMAN: Good morning. Mr Stewart?
6 MR STEWART: Good morning, sir, thank you. I call
7 Dr Miriam McCarthy, please.
8 DR MIRIAM MCCARTHY (called)
9 Questions from MR STEWART
10 MR STEWART: Good morning.
11 A. Good morning.
12 Q. You've been good enough to supply the inquiry with two
13 witness statements and an addendum: the first is
14 WS080/1, of 6 July 2005; the second, WS080/2, of
15 26 September of this year; and an addendum, at WS080/2,
16 page 37, received by the inquiry this week. Are you
17 content that they should be adopted by the inquiry as
18 part of your formal evidence?
19 A. I am, yes.
20 Q. Thank you. You have also provided a resume of your
21 career, a CV, which appears at WS080/2, pages 27 and 28.
22 If we might see that page, please.
23 We can see that you have academic qualifications in
24 medicine, with a commendation in obstetrics and
25 gynaecology, and then you moved into the study of public

1 14 August 2001 when Dr Paul Darragh met me in my office
2 and informed me of her death and he asked me to convene
3 a working group."
4 Had you not heard of her death or a death that was
5 hers prior to that?
6 A. I had not. The date 14 August was the first time that
7 I had heard about Raychel's tragic death.
8 Q. Because you attended a committee meeting on 26 June,
9 a Sick Child Liaison Group meeting, in Antrim. The
10 minutes of that appear at WS008/1, page 15. I wonder
11 does this jog your memory? Do you see in fact you were
12 seen there to be -- in attendance and apologies, I beg
13 your pardon. So the 14th is when you first learned
14 about it. Had you had any contact from Dr Taylor before
15 the 14th?
16 A. No, I hadn't.
17 Q. Had you any contact from Dr Carson?
18 A. No.
19 Q. How often were you in contact with the CMO at that time?
20 A. CMO, I would have had regular contact. CMO would have
21 had a staff meeting most weeks on a Friday morning, and
22 I would also have seen the CMO in the course of my work,
23 perhaps twice, three times a week. So fairly regular
24 contact.
25 Q. Did the CMO mention to you a death or hyponatraemia?

1 health, taking a master's degree at the University of
2 Minnesota.
3 On page 28, just over halfway down, your career
4 in the mid-80s, to July 1988, was as a GP, and then
5 you have experience of moving into the DHSS as a medical
6 officer and serving as senior medical officer in the
7 department from October 1998 to March 2006, which is the
8 period with which we are concerned. I see that now, or
9 perhaps you would correct it if wrong, from June 2011 to
10 today you are a consultant in public health?
11 A. That's correct.
12 Q. For whom do you work?
13 A. I work in the Public Health Agency.
14 Q. Yes. What areas of public health are you concerned
15 with?
16 A. My area of work is primarily on the commissioning of
17 services within the acute sector, predominantly cancer
18 services, some specialist regional services, and
19 specialist drugs.
20 Q. If we can turn to your first engagement with the issues
21 with which we are concerned, and that was when you first
22 learnt of the death of Raychel Ferguson. You refer to
23 that in your first witness statement, WS080/1, page 2.
24 There at the top of the page you state:
25 "I became aware of Raychel Ferguson's death on

1 A. No, neither had been mentioned.
2 Q. There is the e-mail that I introduced. I know you were
3 sitting here yesterday afternoon listening to the
4 evidence and you probably heard me asking Dr Darragh
5 about the content of an e-mail. This is the e-mail
6 which appears at 021-056-135.
7 This was Dr Carson bringing to the CMO's attention
8 information about hyponatraemia, information about
9 deaths from hyponatraemia, and forwarding to him
10 Dr Taylor's paper on dilutional hyponatraemia. In your
11 conversations with the CMO, were these issues not
12 mentioned?
13 A. I had not been aware of this and, if I may add, the
14 reason why I can remember so clearly that it was
15 14 August is that when Dr Darragh came along to me on
16 a morning in August and asked me to help with a group on
17 the prevention of hyponatraemia, my comment to him
18 was: I will need to know more about that because
19 I hadn't been familiar with the issue nor had I heard
20 anything in the past.
21 Q. And did he supply you with information?
22 A. I think at that time what he had done was advised me to
23 contact Bob Taylor, who would provide some further
24 background information. The information that Dr Darragh
25 provided directly was that we were to set up a group and

1 prepare something that would help such a case -- help
2 prevent such a case happening again.
3 Q. So if the chairman leaves you to go off and contact
4 somebody for more information, were you surprised that
5 the chairman had not himself gathered information?
6 A. It would often be my role, acting as a member of
7 a group, to be the one to go off and gather information,
8 and given that I had been asked to participate in
9 a group, it was in my professional interests and
10 it would have been a requirement that I got as much
11 information as possible to inform myself of the issue.
12 Q. Did you make any enquiries as to how prevalent this
13 condition was?
14 A. At that time, no. I did contact Dr Bob Taylor, who sent
15 me the briefing paper that is also included for the
16 first meeting and that is all I received. We didn't
17 look at prevalence at that time.
18 Q. Did you communicate with Bob Taylor by e-mail?
19 A. By telephone as I recall.
20 Q. Telephone?
21 A. Yes. Again, somebody with whom I would have been in
22 fairly regular contact.
23 Q. Did he give you any indication as to the incidence of
24 hyponatraemic deaths in children in Northern Ireland?
25 A. No, he didn't. My recollection is that he had indicated

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1 first meeting of the working group, so between 15 August
2 and the first meeting. I can't recall exactly when.
3 Q. Were you in receipt of any information from local
4 clinicians about hyponatraemia?
5 A. The only other information that I'd received before the
6 working group meeting was the paper prepared by
7 Bob Taylor and the PowerPoint slides also prepared by
8 Bob Taylor.
9 Q. I wonder can we look at the minutes of a meeting of
10 CREST on 8 November 2001. This appears at 075-066-210
11 and 213. This is a CREST meeting, 8 November 2001, in
12 Belfast, and a large meeting, and in attendance you'll
13 see at the bottom of the first page, Dr McCarthy for
14 item 5, and on the facing page, item 5 is "The
15 prevention of hyponatraemia in children receiving
16 intravenous fluids". You'll see that you're introduced
17 by Dr Stewart, and the third line:
18 "Introduced Dr McCarthy who stated that the problem
19 had come to the attention of the department through
20 clinicians who reported an increase in the condition and
21 felt in need of urgent guidance."
22 Well, were you receiving reports from clinicians?
23 A. I had not received any specific reports. That
24 particular sentence I think refers to the fact that
25 people were becoming increasingly aware of the issue as

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1 that he would send me a copy of a briefing paper that he
2 was preparing, which he duly did.
3 THE CHAIRMAN: The reason for you having fairly regular
4 contact with Dr Taylor was what?
5 A. I worked on a range of paediatric issues at that time
6 and, for example, I had worked fairly closely with
7 Dr Taylor on home ventilation and providing home
8 ventilation for children who required long-term
9 ventilation. So we would have been working very closely
10 in the -- in or around the same period.
11 THE CHAIRMAN: If this phrasing isn't right, he was then and
12 still is a very significant figure in the
13 Children's Hospital?
14 A. Yes, I believe so. Absolutely.
15 MR STEWART: Were you aware of any figures relating to the
16 incidence of hyponatraemia, whether from death or
17 otherwise, at that time?
18 A. Papers that I had seen in or around that time were the
19 Arieff paper of 1992 and, I think, a further paper in
20 1998, and then the BMJ paper of 2001, the Halberthal
21 paper.
22 Q. Yes.
23 A. So that was my kind of awareness of the issue.
24 Q. Up until what time?
25 A. Those papers, I think I read probably them before the

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1 highlighted in the graph as part of Bob Taylor's
2 PowerPoint presentation. And that, combined with the
3 recent literature, would have indicated that while the
4 condition was very rare, it was recognised and certainly
5 within the working group the risks were also recognised
6 and therefore the role was to ensure that those risks
7 were addressed as much as possible.
8 Q. But with respect, it doesn't talk about clinicians
9 enjoying increasing awareness of the condition; it talks
10 about clinicians reporting an increase in the condition.
11 And it says that they felt in need of urgent guidance
12 and, further, it says:
13 "... and as a result a working group had been
14 quickly convened and comprised anaesthetists, surgeons,
15 public health medicine ..."
16 Did you tell CREST that?
17 A. I can't remember the exact words, but I mean, I think
18 that's an accurate reflection of what was discussed.
19 There was certainly an increased recognition of the
20 issue.
21 Q. Well, was there any increase in the condition reported
22 to the department by clinicians?
23 A. The only case that the department had been aware of was
24 the death of Raychel Ferguson. And while we would have
25 recognised in the working group that that was a single

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1 death, one death of a healthy -- otherwise healthy child
2 from a preventable cause was seen to be one death too
3 many and therefore action taken.
4 Q. You'll see that your explanation is and appears to be at
5 variance with what is recorded in the minute.
6 A. I can see how that could be construed.
7 Q. I wonder, can we go to --
8 THE CHAIRMAN: Sorry. Can I just pause there? I agree
9 entirely with that definition you just gave that:
10 "A single death of an otherwise healthy child from
11 a preventable cause was seen to be one death too many
12 and therefore action was taken."
13 A. Mm.
14 THE CHAIRMAN: If I regard Adam as a child who wasn't
15 otherwise healthy because he had renal problems, which
16 is why he was being transplanted, that wouldn't make any
17 difference to that analysis, sure it wouldn't. A death
18 of an otherwise unhealthy child from a preventable cause
19 would be one death too many, which would justify action
20 being taken; isn't that right?
21 A. I accept that.
22 THE CHAIRMAN: And the same would apply to Claire and the
23 same would apply to Lucy.
24 A. Yes, I accept that.
25 MR STEWART: Can we see page 075-073-276, please? These are

1 them treated and not causing fatalities, but we knew of
2 one fatality.
3 Q. But this refers to clinicians coming to the department
4 and saying, "We need urgent guidance", and as a result
5 of that the working group being formed. Dr Taylor's bar
6 graph was forwarded for the meeting after the group had
7 been formed.
8 A. Sorry, I didn't quite catch the last bit. I just didn't
9 hear it.
10 Q. Dr Taylor forwarded his bar graph to the department, to
11 Dr Darragh, in preparation for the first meeting --
12 A. That's correct.
13 Q. -- after the working group had been formed. These
14 minutes refer to you saying there was an increase in the
15 condition brought to your attention by clinicians who
16 felt in need of urgent guidance and in consequence of
17 that communication the working group was formed.
18 A. If I may just clarify: the PowerPoint presentation we
19 received, as I recollect, before the first meeting of
20 the working group. The working group was formed and met
21 once, so I suppose the formation of the working group
22 was on the same day as it would have met at the end
23 of September and those PowerPoint slides had been seen
24 before that.
25 Q. You were asked about this in one of the witness

1 the minutes of, this time, a subgroup of CREST and it's
2 three months later, February 2002, and at item 3 towards
3 the bottom of the page there:
4 "Prevention of hyponatraemia in children receiving
5 intravenous fluids. Dr McCarthy, senior medical
6 officer, reported that some months ago the department
7 had been approached by paediatricians ..."
8 Were you at that meeting --
9 A. Yes.
10 Q. -- or is this a report of what you had said? In
11 attendance, "Dr McCarthy." You are there.
12 A. Yes.
13 Q. "The department had been approached by paediatricians
14 expressing concerns over an increase in the condition of
15 hyponatraemia and felt in need of urgent guidance."
16 It's the same piece of information being given
17 again. And consequently, as a result of those
18 paediatricians seeking urgent guidance as a result of
19 the increase in the condition, the small
20 multi-professional group is convened.
21 A. Again, I think that's probably an accurate reflection of
22 what was discussed. There seemed to be a growing
23 awareness of the condition and Dr Taylor's PowerPoints
24 would indicate that there had been a number of cases
25 in the preceding number of years. Thankfully most of

1 statements, WS080/2, page 14. At the bottom, "CREST
2 meetings":
3 "Please explain what you meant by clinicians having
4 'reported an increase in the condition'.
5 "My recollection is this referred to input from the
6 clinicians who were members of the working group in
7 which the number of cases of hyponatraemia in the
8 Children's Hospital was discussed."
9 But of course we've just seen from those minutes
10 that's not right. The minutes record you saying that it
11 was as a result of the clinicians bringing the increase
12 to your attention that you formed the working group.
13 A. I suppose in many respects it was both. Firstly, the
14 individual case of Raychel is what stimulated the
15 formation of the working group. When the working group
16 met, there was a sense that, yes, we absolutely need to
17 do this, we know that there are a number of cases of
18 hyponatraemia that have occurred. So it tended to
19 emphasise the requirement. That combined with the fact
20 that there had been a sharing of the academic documents
21 from Arieff and others that were indicating that indeed
22 hyponatraemia was an internationally recognised, rare
23 but recognised, issue and then the subsequent piece was
24 everybody around the working group table absolutely
25 recognised that there were key signs and symptoms, there

1 were key warnings and therefore there was a real
2 opportunity to put out something that would help
3 prevent, and that's really where the focus of attention
4 was.

5 THE CHAIRMAN: In that context, can I ask you -- I'm not
6 sure how much you have been able to follow the inquiry,
7 doctor, but last week I heard from Dr Smith, and it was
8 his colleague, Dr Lowry, who was on the working group.

9 A. That's right.

10 THE CHAIRMAN: When the working group met, did Dr Lowry say,
11 "Actually, I agree with this. In fact I've already
12 started work on developing some equivalent of guidelines
13 in Craigavon"?

14 A. I have no recollection of that. I have gone back to my
15 handwritten notes of that first meeting and I have no
16 documentation to that effect.

17 THE CHAIRMAN: It would make sense if he did, wouldn't it?

18 A. Yes, it would.

19 THE CHAIRMAN: Because it fits into the picture you have
20 just described as the formation of the working group as
21 a result of Raychel's death and then the members of the
22 working group coming together and agreeing that this was
23 in fact an emerging issue.

24 A. Yes.

25 THE CHAIRMAN: And Dr Lowry might then be able to say,

13

1 Lowry. Okay.

2 MR STEWART: The CMO received information from Dr Fulton
3 that the Royal had stopped the use of Solution No. 18
4 because it had experienced problems. That might explain
5 the idea of an increase of the condition.

6 A. I was not aware at that first meeting that the Royal had
7 stopped using No. 18, and again that wasn't something
8 that had come to light, either in the first meeting or
9 subsequently. Indeed, I note that there's an e-mail
10 from myself to the CMO in 2004.

11 Q. Sorry, I missed that. Can you say it again?

12 A. I note there's an e-mail from myself to the then CMO,
13 Dr Campbell, in 2004 that indicates that in
14 a conversation with Dr Crean, he had said -- he had
15 advised that there had been no change to the policy of
16 fluids in Children's Hospital prior to the working group
17 producing its guidance and I do have the reference for
18 that.

19 Q. The inquiry's received its own evidence in relation to
20 the usage of Solution No. 18 at the Royal. If the CMO
21 had shared information with you or indeed if she had
22 shared with you the information that came to her by
23 Dr Carson that:

24 "The anaesthetists in the RBHSC would have
25 approximately one referral from within the hospital per

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1 "Well, Dr Smith and I have already been working on this
2 in Craigavon, we've already enlisted the help of
3 Dr Taylor, and we have already done some groundwork on
4 this, we have a local practice there". And it makes
5 sense for that to be raised, but it's curiously absent
6 from any of the documentation that we've seen. I don't
7 quite understand why because there's no doubt something
8 was happening in Craigavon already.

9 A. I know that now. At the time I have no recollection of
10 that being discussed, and indeed if it had been
11 discussed, our normal response would have been "Let's
12 see what you're doing and let's build on that because
13 that's a great starting point and helps to actually move
14 things even faster".

15 THE CHAIRMAN: That's right, because there's a member of the
16 working group who's already got something in writing, so
17 you can develop from that.

18 A. Absolutely.

19 THE CHAIRMAN: But in fact Dr Taylor would also have been
20 able to contribute to that because the work that was
21 done in Craigavon was done in liaison with him. So in
22 fact there were two members of the working group who
23 knew that something was already happening, not in the
24 Children's Hospital, the specialist centre, but in
25 Craigavon through the initiative of doctors Smith and

14

1 month, there had been a previous death six years ago in
2 Mid-Ulster and that Bob Taylor thinks there have been
3 five or six deaths over a ten-year period in children
4 with seizures."

5 That might have explained you telling two CREST
6 committees that there had been an increase in the
7 condition.

8 A. Potentially. I had not seen that e-mail from Dr Carson.

9 Q. When it came to selecting the members of the working
10 group that you were convening, how did you go about that
11 task?

12 A. My recollection is that it was discussed with Dr Darragh
13 and that we were aware that CMO had a particular
14 interest in getting guidance out as quickly as possible.
15 It was therefore my role and Dr Darragh's role to ensure
16 that we achieved that outcome. So we recognised that
17 we were establishing what we may call a task-and-finish
18 or an ad hoc group. Our normal process for getting
19 members on groups would be to seek formal nominations
20 through chief executives of organisations. In this
21 case, we did not do that because we did not want to
22 spend any additional time going through a formality.
23 Therefore, individuals were chosen directly because of
24 their particular interest or their particular speciality
25 area and we ensured that we had a representative,

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1 a clinical representative from each trust because we
2 recognised that we needed people from across
3 Northern Ireland. Therefore, it was very much on who we
4 knew maybe had a particular part to play and my
5 recollection is that either myself, Dr Darragh or my
6 colleague, Dr Mark, would have called each one of those
7 individuals, advised them what we were doing and said,
8 "Can you make a meeting? And if you can, we will be
9 letting you know what the potential dates are".
10 Q. Yes. Was the CMO engaged with you in these discussions?
11 A. I think she was, yes.
12 THE CHAIRMAN: In the principle of it rather than in
13 identifying individuals?
14 A. My recollection is in the principle, that we would have
15 given the CMO a potential list of who we were proposing
16 to get around the table and she would have indicated her
17 agreement with that, as would be normal practice.
18 That's what we would do in setting up any group.
19 MR STEWART: The CMO recalls:
20 "We met during August 2001 and decided upon
21 a proposed membership for the working group."
22 That's the CMO, yourself and Dr Darragh. Can I ask
23 about sounding people out? Did you ring anybody and did
24 anyone decline the invitation?
25 A. Not that I recall. If anything, actually, people were

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1 representing the south-west.
2 Q. In terms of geographical spread, you probably heard me
3 saying yesterday there's absolutely nothing from
4 Mid-Ulster, nothing from Antrim or County Down. But yet
5 here we have Dr Nesbitt who knows something about
6 hyponatraemia because he was involved with Raychel and
7 Dr Marshall came from the same hospital that Lucy
8 received her treatment in before she arrived at the
9 Royal.
10 A. In terms of the geographic spread we actually had two
11 individuals from Antrim, initially Dr Jenkins and
12 subsequently Dr Jenkins and Dr McAloon. In terms of the
13 input from County Down, we had Liz McElkerney from the
14 Ulster and Dr Angela Bell also had input from the
15 Ulster.
16 Q. That's really Belfast, isn't it? I was thinking of
17 Daisy Hill.
18 A. Daisy Hill would have been represented by the folks in
19 Craigavon in terms of their trust. Often we
20 specifically, in setting up a group, would firstly
21 ensure that we had trust representation from every
22 trust, but we may also ask for representation from the
23 south-west because we're often aware at that time quite
24 acutely aware of the relative geographic isolation of
25 the south-west, so it was usually an inclusive process.

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1 really very interested and enthusiastic. I don't recall
2 anybody declining.
3 Q. Well, obviously Dr Taylor was chosen because he had had
4 interest and experience in this matter. Dr Lowry, was
5 his interest and experience in this matter also known to
6 you?
7 A. Not any particular work that he was doing on
8 hyponatraemia. I don't recall why Dr Lowry was
9 mentioned specifically.
10 Q. But he had been engaged in developing his own protocol
11 with Dr Smith.
12 A. That's correct. I wasn't aware of that at the time.
13 Q. Presumably you did become aware of it in the course of
14 the discussions, did you?
15 A. No, no, that was not mentioned.
16 Q. Dr Nesbitt was chosen because of his experience with
17 Raychel's case?
18 A. That's correct.
19 Q. And Dr Marshall, was he chosen because he came from the
20 Erne Hospital and might also have had experience of
21 hyponatraemia?
22 A. I think it was simply because we were getting
23 a geographical spread. I don't have any recollection of
24 him being chosen because of any particular expertise in
25 hyponatraemia. Rather, he was the individual

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1 Q. How is Dr Clodagh Loughrey's interest in these matters
2 known to you?
3 A. Clodagh Loughrey was a chemical pathologist and was
4 therefore chosen in order to provide input particularly
5 around the fluid and the fluid balance, and in fact
6 I think the record shows that Dr Loughrey had very
7 significant input to the content of the guidance.
8 Q. Yes. And Dr Crean, that's a second anaesthetist from
9 the RBHSC; why is it necessary to have two individuals
10 from the same hospital in the same specialty?
11 A. I suppose firstly because the Children's Hospital was
12 our regional hospital and therefore any child critically
13 ill and certainly any child needing paediatric intensive
14 care would automatically be referred there. So they
15 would see the more complex cases and because it is
16 something a large facility relative to the other
17 paediatric facilities, we would often have wanted to
18 ensure a couple of representatives, and that would have
19 helped also ensure that if one were busy, we would at
20 least always have somebody from the Children's Hospital
21 there.
22 Q. Because, of course, Dr Crean had some engagement with
23 the cases of Adam, Raychel and Lucy.
24 A. Mm-hm.
25 Q. Was that known to you then?

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1 A. No, it wasn't. The only death that we knew about was
2 Raychel's unfortunate death.
3 Q. And then Dr Jenkins. Did you know, during the course of
4 your working group deliberations, that he had knowledge
5 of Lucy's case?
6 A. I did not.
7 Q. You say that you received from Dr Taylor certain
8 information. Did he forward to you direct his
9 PowerPoint presentation in draft form?
10 A. I can't recall whether he forwarded it directly or
11 whether he forwarded it to Dr Darragh and it was sent on
12 to me.
13 Q. That appears at 007-051-100. That's the cover page and
14 you can see that Dr Darragh has marked it "Please copy
15 to Miriam McCarthy".
16 At page 103, we find the bar graph chart of
17 "Incidence of hyponatraemia at RBHSC". That's
18 007-051-103. I think in your witness statement you've
19 indicated that the issues contained in this PowerPoint
20 presentation were discussed by the working group and at
21 subsequent meetings of the subgroup. Did you discuss
22 the incidence and discuss this chart?
23 A. My recollection is that the key issues were discussed,
24 but the detail around the number of cases or the timing
25 was not discussed in detail.

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1 before you work out how you're going to approach the
2 problem.
3 A. I think that is true, but our understanding of the
4 prevalence was drawn more from the literature, which
5 emphasised that while we had had a case, a death,
6 a recent death that we knew about, such incidents were
7 not unheard of, therefore we knew from the literature
8 that it was indeed, firstly, a problem that there seemed
9 to be an understanding that clinicians looking after
10 children were not sufficiently well aware of the problem
11 and, more importantly, were not sufficiently well aware
12 of how to prevent it. So the focus was on looking
13 forward and, as quickly as possible, getting draft
14 guidance out, which we had hoped to do in a short number
15 of months.
16 We were all acutely aware that we had
17 a responsibility to get that out as swiftly as possible
18 and not to get distracted from that course of action.
19 Q. Is your evidence that to look at other cases of
20 hyponatraemia, such as may be indicated to you by this
21 chart, was a distraction?
22 A. We had no remit to look at any other cases and nor
23 indeed, from a departmental perspective, would it have
24 been appropriate for us to be scrutinising individual
25 cases. We were there to provide a policy and advice to

23

1 Q. Clearly, it was known to you, I assume, that the 2001
2 death indicated was that of Raychel?
3 A. That's correct.
4 Q. And did you enquire as to what the 1997 death was?
5 A. I don't think that we enquired directly, and certainly
6 my handwritten notes of the meeting do not indicate that
7 we discussed that.
8 Q. Can I ask why you didn't?
9 A. When we met, it was clear, the facts that were known was
10 that we had had one death in Northern Ireland.
11 Internationally, the issue was recognised, and
12 internationally there had been deaths, and therefore we
13 knew that it was a rare problem, but in terms of
14 fatality it was recognised, and the main focus of the
15 working group -- and in fact the singular focus of the
16 working group -- was to address the risks associated
17 with hyponatraemia and put something out to the
18 clinicians who were looking after children to ensure
19 that fatalities in the future would not occur.
20 Q. Did you ask Dr Taylor what the two empty years
21 signified?
22 A. I don't think so.
23 Q. Why not?
24 A. Well --
25 Q. You have to understand the prevalence of a condition

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1 the service with the sole aim of ensuring that junior
2 doctors, nurses and others were better informed, that
3 they were able to take action to ensure that cases
4 didn't happen again, and that they understood the
5 rationale for the actions that they were to take.
6 THE CHAIRMAN: Mr McMillen and I had something of a debate
7 yesterday because Professor Scally's report has caused
8 some anxiety and is challenged by the department. Okay?
9 And one of the areas that is going to be explored over
10 the next week or so is the extent to which the
11 department would expect deaths to be reported to it.
12 As I understand it, one of the differences between
13 the department and Professor Scally is that the
14 department doesn't accept Professor Scally's analysis
15 that the trusts were accountable to the department for
16 events, but that serious events like unexpected deaths
17 of children should still come to the department, not
18 through the route that Professor Scally describes, but
19 because these are significant issues of which the
20 department should be made aware. The department had
21 therefore appropriately been made aware of Raychel's
22 death in June 2001, and that would be, however that
23 comes about, what the department would expect to happen;
24 right?
25 A. Yes.

24

1 THE CHAIRMAN: If there were earlier deaths which might fit
2 the same description, deaths of which the department
3 should have been aware, but hadn't been made aware of
4 at the time, then the formation of this working group
5 then gives, at the very least, a belated opportunity for
6 people who are aware of those events to relay some
7 information about them to the department; isn't that
8 right?

9 A. That would be correct.

10 THE CHAIRMAN: And Dr Darragh said yesterday, in terms, that
11 one might regard it as disappointing that that
12 information wasn't shared; would that also be your view?

13 A. Normally when we set up a group, there's a professional
14 sharing of information. There's that informal sharing
15 that is valuable.

16 THE CHAIRMAN: Yes.

17 A. Information on previous deaths was absolutely not shared
18 in that group. When I now see what people knew, it is
19 a surprise to me that that wasn't, but that is the
20 reality.

21 THE CHAIRMAN: Doctor, just so that everyone understands the
22 point again, the absence of that sharing doesn't
23 undermine the guidelines in any way. What the inquiry
24 has consistently recognised and what I consistently
25 recognise is the value of these guidelines. We were

25

1 ahead of Great Britain in producing these and they were
2 then praised, as Mr Leckey pointed out, by Dr Sumner at
3 inquest.

4 The problem arising from the lack of sharing of
5 information is the what seems to me to be the entirely
6 avoidable additional delay which was caused to the
7 Crawford family in Fermanagh and to Mr and Mrs Roberts.
8 And that's something which certainly Mr and Mrs Roberts,
9 who are here, must feel adds to their great suspicion
10 about what on earth was going on in the
11 Children's Hospital and then in the department.

12 A. Yes.

13 THE CHAIRMAN: You understand that's my particular interest
14 in focusing on this questioning.

15 A. Absolutely, I accept that. Unfortunately, I don't have
16 an explanation for why that information wasn't shared.

17 THE CHAIRMAN: Because it's the easiest thing in the world
18 when the working group meets and you say there's
19 a discussion, "We've had Raychel's death in Derry", and
20 somebody says, "This is recognised in the literature",
21 as it was recognised in the literature". The next
22 obvious statement for somebody to make is, "It's not
23 just Raychel we've had locally, we've had other children
24 locally". In fact, it's almost unnatural not to mention
25 that, isn't it?

26

1 A. Absolutely. I accept that. It was quite some time --
2 quite some years later that I became aware of the detail
3 around the reports, et cetera, that had concerned Lucy
4 at the time of her death, but that didn't come to light
5 until quite some time later.

6 THE CHAIRMAN: Thank you.

7 MR STEWART: In relation to this graph, the witness
8 statement request that you received, asked you:

9 "Please state if you recognised any significance in
10 the two deaths being recorded on the chart."

11 This is at the time of your working group, whether
12 you recognised any significance from those two deaths.
13 Your answer, which is included in the addendum you
14 forwarded this week, was:

15 "The inclusion of the two deaths in the data
16 emphasised the need for evidence to be produced without
17 delay."

18 What evidence did you call for having seen this data
19 and these two deaths?

20 A. I think that should have read, "... emphasised the need
21 for guidance to be produced without delay", and my
22 apologies that that has been transcribed incorrectly.

23 Q. I'm sorry. So it is need of correction?

24 A. I have not seen the formal correction. I do apologise.

25 Q. Then let's look at WS080/2, page 37. You say that when

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1 you said:

2 "The inclusion of two deaths in the data emphasised
3 the need for evidence to be produced without delay."

4 You actually meant --

5 A. Guidance.

6 Q. "Emphasised the need for guidance to be produced without
7 delay."

8 Of course, it would have read pretty well as
9 evidence, wouldn't it, and does? Because that's
10 exactly, I'd suggest to you, when deaths were being
11 brought to the attention of the working group, what you
12 should have said. What's the information, what is this
13 death? How does it fit in, how can we help to prevent
14 another death like this one?

15 A. Well, I suppose in terms of just addressing that point,
16 the evidence that we had at hand at the time was the
17 evidence of a recent death in Northern Ireland, the
18 evidence of the papers that we had received in terms of
19 the academic papers, and the view of all the clinicians
20 that the knowledge base was not sufficiently robust
21 among clinicians who were prescribing fluids. So those
22 were the three key --

23 Q. Of course, the information you should have had was what
24 the CMO might have told you about Solution No. 18 in the
25 Children's Hospital and the problems that had been

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1 reported, and what she might also have told you about
2 was the deaths brought to her by that e-mail we've
3 looked at.
4 A. That too would have been helpful.
5 Q. In your witness statement at WS080/2, page 13, at 28(a)
6 you are asked:
7 "Please explain what Dr Taylor discussed at that
8 time regarding the incidence of cases seen in RBHSC."
9 This comes from the minute of that meeting:
10 "In particular state if you discussed the deaths of
11 Adam, Claire or Lucy."
12 You answer:
13 "I recall Dr Taylor highlighting one death, that of
14 Raychel Ferguson. I also recall Dr Taylor advising
15 attendees of the increased identification of cases of
16 hyponatraemia in the RBHSC, including two cases
17 resulting in fatality."
18 Which deaths did you take him to be referring to?
19 A. I took him to be referring to, as on the bar chart, the
20 fact that there were an increasing number, and I can't
21 recall the number specifically, and that the bar charts
22 indicated two deaths, one in 2001 and the one previous
23 one.
24 Q. So in September 2001 your understanding of the two
25 deaths was that they referred to Raychel Ferguson and

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1 effectively, where he gave his presentation,
2 effectively, on a repeated basis. That's simply if it
3 assists.
4 THE CHAIRMAN: Thank you.
5 MR STEWART: If you'll allow me, sir, to check that. I may
6 be incorrect.
7 THE CHAIRMAN: But his presence there at the working group
8 was because of Raychel's death?
9 MR STEWART: Yes.
10 THE CHAIRMAN: So it'd be surprising if he didn't get
11 involved in some discussion of it.
12 MR STEWART: That's a matter, I'm sure, for the witness to
13 comment on. Are you surprised now that there wasn't
14 a discussion of Raychel's case?
15 A. We all knew that Raychel had died, we all knew that it
16 was subject to an inquest, therefore my recollection
17 is that any discussion was to alert people of the event
18 that stimulated the formation of the working group but
19 not to go into the details. And from a departmental
20 perspective, we would always have been very conscious
21 about not -- unless it was absolutely essential -- not
22 to be discussing the details of an individual case. I'm
23 very respectful of confidentiality. So yes, while
24 it would have been mentioned in generalities, we didn't
25 discuss the detail.

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1 the 1997 death?
2 A. Correct.
3 Q. Were near misses discussed?
4 A. My recollection is that there was no specific discussion
5 on near misses, nor indeed was that defined.
6 Q. Was Raychel's case discussed in detail?
7 A. No, it wasn't.
8 Q. So when Dr Nesbitt says that he went on and on about it,
9 he's entirely mistaken in that recollection, is he?
10 A. My recollection in that meeting was that certainly
11 Raychel's had been mentioned and, by way of introduction
12 to the meeting, we would have advised all members that
13 there had been a recent death. We would not have talked
14 about the detail.
15 THE CHAIRMAN: Sorry, doctor, I'm subject to correction, but
16 I don't recall Dr Nesbitt insisting that he went on and
17 on at this meeting.
18 MR STEWART: I will find the reference for you in due
19 course, sir.
20 THE CHAIRMAN: I thought it was at the previous meeting that
21 he'd raised it. In any event.
22 MR STEWART: I may come back to you on that point. I will
23 check that.
24 MR UBEROI: My recollection of his evidence was that the "on
25 and on" quote was referring to meetings thereafter,

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1 THE CHAIRMAN: The second point that really got to
2 Altnagelvin, I think, is that they weren't aware of what
3 they were led to believe was a change of policy about
4 the use of Solution No. 18 in the Children's Hospital.
5 But am I right in picking up that that wasn't discussed,
6 to your recollection, at the working group?
7 A. That's correct. I was not aware of a change in policy
8 during the time that I was writing the guidance. I had
9 not been aware that Children's had a different policy in
10 terms of No. 18 Solution.
11 THE CHAIRMAN: Yes. I know there's a debate about whether
12 there was a change of policy or perhaps more of a debate
13 about whether one formally calls it a change of policy,
14 but we'll maybe come on to Solution No. 18 later in the
15 questions.
16 MR STEWART: Solution No. 18 was something which drove
17 Dr Fulton to bring it to the attention of Dr Carson
18 immediately after Raychel's death. It's what drove
19 Dr Fulton to make a phone call to the CMO, and
20 Dr Nesbitt is down at that meeting, their chief gripe
21 is that the Royal had discontinued the use of this fluid
22 and hadn't told them. They felt aggrieved and you say
23 that Dr Nesbitt simply sat on that information?
24 A. There's no record of that having been discussed at the
25 meeting. I often looked at my handwritten notes, which

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1 tend to be reliable because they're contemporaneous, and
2 I don't have any note to that effect.
3 Q. Because one piece of information that came out of
4 Dr Taylor's draft PowerPoint presentation, drawing from
5 the Halberthal study, was that 70 per cent of those
6 victims of hyponatraemia, 70 per cent, were actually in
7 receipt of excessive maintenance fluids administered by
8 clinicians. And really, very excessive, more than 50
9 per cent more than they should have got. So it's
10 a clear case where a large number, the overwhelming
11 proportion of these cases, are suffering from iatrogenic
12 hyponatraemia. That's something which surely must have
13 interested you?
14 A. Absolutely, and that was something that we were
15 determined, as part of our guidance, to ensure we
16 corrected and in that respect, later in the working
17 group, there were detailed discussions as to whether we
18 include reference to individual types of fluids or
19 whether we keep our reference to the volume of fluids,
20 and that was a matter for debate later.
21 Q. But that very point of deciding how you guide people
22 must have meant that you had to go back to individual
23 cases to see why this one was an excessive
24 administration of fluids and that one wasn't, and how
25 this fitted the normal pattern of hyponatraemia and that

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1 cardiac and renal, there would be a much greater
2 knowledge base and a much greater sense of expertise in
3 dealing with fluids for individuals. But there were
4 general principles that we wanted applied to every child
5 who was receiving IV fluids.
6 Q. How are you ever to learn that your general principles
7 were applicable to all children unless you tested it
8 against a range of children that suffered from the
9 condition?
10 A. Well, I think, in preparing standards generally, the
11 approach tends to be "What are the principles that need
12 to be applied?" rather than necessarily going into the
13 detail of every case. And even today, that is still in
14 essence the way that national groups such as NICE and
15 others look at their guidance: what are the core
16 principles that need to be applied? And often, in those
17 guidance notes that come, particularly from NICE, they
18 also emphasise that the core principles and the core
19 standards do not negate the need for expert clinical
20 advice, expert judgment and expert clinical decisions.
21 But nonetheless, they are a key starting point in
22 providing a standardised, evidence-based approach to
23 what is needed for everybody, and they do in essence
24 help ensure the quality of care is improved for
25 everybody.

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1 didn't.
2 A. With all due respect, the working group's thinking of
3 that was that there were key principles that ought to be
4 adopted. Those key principles depended firstly on doing
5 very careful baseline measures, weighing the child,
6 et cetera, taking into account the child's fluid needs
7 very carefully, both their resuscitation and their
8 maintenance needs, monitoring very carefully and calling
9 in expertise when needed, and reviewing through blood
10 tests. So the group tended to focus very much on what
11 are the key principles that need to be applied to every
12 single child receiving fluids, either on a drip, if it's
13 prescribed fluids, or if it's orally in each and every
14 case.
15 Q. You see, all these children are different, aren't they?
16 Because boys and girls are different.
17 A. Yes, but the essence of the guidance, which I think is
18 still a valid position, is that, yes, every individual
19 case is different, of course they are, but often in
20 applying guidance and in applying standards there are
21 certain key measures that ought to be applied to every
22 child. And I think the guidance in being drawn up was
23 being drawn up for -- and I don't mean this in any
24 pejorative manner -- the generalist, the junior doctor
25 who was not a specialist. Within specialist units,

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1 Q. Thank you.
2 I wonder, can we just go back, sir, to that issue
3 about Dr Nesbitt. Can we have a look at the transcript
4 from 3 September 2013, page 161? This is Dr Nesbitt
5 talking about this working group meeting, line 6:
6 "There are people there who might have known about
7 Lucy -- this is the point -- and I -- Lucy was not
8 mentioned at that meeting. I know Raychel Ferguson was
9 mentioned at the meeting because I kept on and on and on
10 about it. It's not in the minutes, but it's within the
11 bit where there was a discussion. I remember it
12 clearly."
13 Do you remember it clearly?
14 THE CHAIRMAN: Sorry, just to add, if you look down at
15 line 17, he says that this was actually the only meeting
16 he attended.
17 MR STEWART: Yes.
18 THE CHAIRMAN: So I was wrong; he is only referring to one
19 meeting and his recollection is he went on and on and
20 on. Okay. Thank you.
21 MR STEWART: And looking at it as somebody who wasn't there,
22 it would seem natural that he would go on about it.
23 A. I think -- my recollection is that, yes, Raychel's case
24 was noted, people felt quite passionate about the need
25 to do something on the back of that case, and therefore

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1 the rest of the discussion was on the guidance. I don't
2 have a recollection of how much Dr Nesbitt actually
3 referred to the individual case. If I may just add that
4 while he wasn't able to attend subsequent meetings and
5 part of that is, based in Altnagelvin, you know,
6 distance would be an issue, he did contribute and there
7 are a number of e-mails back and forth, particularly in
8 light of the fact that he subsequently raised issues of
9 why we were not addressing the No. 18 Solution
10 specifically, very valid issues that he articulated and
11 that I would have discussed on e-mail with him.
12 Q. And he advanced that argument on the basis that they had
13 had a death in Altnagelvin?
14 A. Yes.
15 Q. And he kept referring back to the fact that they had had
16 a case, and it was the evidence, their clinical
17 experience that led him to make the point to you?
18 A. I agree with that. It was also the experience of
19 Raychel's case that led Bob Taylor to write to the
20 Medicines Controls Agency to ask whether there was merit
21 in action being taken specifically on No. 18, and their
22 response, which obviously influenced the final drafts of
23 our guidance, was that, yes, while there may have been
24 an increased risk with No. 18 being a hypotonic
25 solution, there was a risk with any fluid. And

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1 the messages and the detail beneath those messages for
2 the purposes of sharing it with the rest of the group,
3 not that they would do that in isolation, but that that
4 would subsequently be shared with everybody.
5 Q. I was going to ask you about that because the e-mails
6 passing between members of the group seem, for the most
7 part, to be from the individual members to yourself.
8 But they don't seem to be included in round-robin
9 e-mails copied to everyone within the group. Why was
10 that?
11 A. Well, when I look at the volume of e-mails that are
12 available now, there may well have been more that were
13 maybe not retained at the time.
14 Q. Sorry, why would e-mails not have been retained? How
15 could they have gone missing?
16 A. Well, in 2001, when we were producing the guidance,
17 I would have retained, as I would normally do, all
18 e-mails that are relevant. If, for example, there was
19 a round robin of people saying, "Yes, content", and
20 nothing more, with the kind of e-mail policy we have of
21 deleting what wasn't needed, those may have disappeared.
22 So while this is a very substantive record of the e-mail
23 communication, it may not be absolutely comprehensive
24 for each e-mail. And if I may just add, while
25 individuals may have come back to me directly when

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1 therefore there was, in essence, I suppose,
2 a professional debate that needed to happen around that.
3 Q. Basically they were saying that Solution No. 18 was safe
4 if administered correctly; it was unsafe if administered
5 incorrectly.
6 A. I think that's fair.
7 Q. They weren't prepared to withdraw it from the market on
8 that basis. Tell me: how was the subgroup that went
9 ahead with the drafting part of the guidance, how was it
10 selected? Why was Dr Nesbitt not asked to be part of
11 that?
12 A. We agreed that guidance needed to be done and we all
13 recognised that it needed to be done very swiftly.
14 Therefore, it was determined that the best way to
15 advance it was for a small group, three or four people
16 typically, to get together and start to scribe what
17 needed to be in the guidance. My recollection is that
18 basically people volunteered for that, that it was open
19 to whoever wanted to participate, but we only needed
20 a few people, that the essence of the group was to
21 actually tease out the detail. There were some key
22 principles discussed at the first meeting of what may be
23 needed in guidance. The role of the working group was
24 to actually put a bit of flesh on those key principles
25 and make some kind of first draft of the key measures,

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1 I sent out drafts I copied to as many of the group as
2 possible --
3 Q. Yes.
4 A. -- and that was the kind of normal practice.
5 Q. That would appear so. But the point I'm making is
6 this: a group should share its experiences, share its
7 ideas, bounce ideas off each other, work together. This
8 group is not meeting in any real place, not
9 face-to-face, it's what you call a virtual group.
10 A. Yes.
11 Q. Yet it's not sharing its ideas. The ideas are sent from
12 each end of a spoke in to you at the hub. There doesn't
13 seem to be any communication. Is that the way it was?
14 A. There was actually, over the couple of months, extensive
15 communication. Some by e-mail and some by telephone
16 call. And I accept that there are a number of e-mails
17 where individual members of the group seem to have sent
18 something directly to me. I would have then
19 incorporated that and would have gone back to everybody
20 with the revised draft, as documented. I may also have
21 picked up the phone to a number of people, and in fact
22 did, to say, "There's a question about whether we do A
23 or B, should we include reference to particular fluids?
24 What do you think?" Because my role in facilitating
25 a really robust outcome and a tool that was going to

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1 really make a difference -- my role was to make sure
2 that the guidance was crystal clear, that the guidance
3 was easily applied and that the guidance had the broad
4 sweep of professional support from the group. So it was
5 around my contact, which had been on a daily basis with
6 members. But much of it would have been by telephone
7 call.

8 Q. The question I'm asking you is: why don't the members
9 appear to be communicating with each other?

10 A. I'm not sure that I'm really in a position to comment.

11 Q. Because it'd have been very easy for you to allow
12 a debate to go on, even by e-mail, with everyone seeing
13 everybody else's e-mails.

14 A. That is correct. I suppose it was my role. I was the
15 person who was taking the lead in ensuring that all the
16 information came to a single point and was then
17 reflected appropriately in the subsequent drafts of the
18 guidance.

19 Q. Dr Taylor has said in one of his witness statements that
20 he wanted the working group to consult more widely prior
21 to drafting the guidance. Do you remember that
22 proposition being made?

23 A. I do not recall that proposition. My understanding was
24 that we were to get guidance out as quickly as possible.
25 In doing so, we drafted and then consulted within

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1 MR STEWART: Do you understand his chagrin of being left out
2 of the drafting subgroup?

3 A. I know that that has come up in his witness statement.
4 The group was inclusive, there was never at any point
5 any attempt or design to exclude anybody. The subgroup
6 only met once, after which, as you rightly say, there
7 was a sort of virtual communication, and that was to
8 just allow us to quickly move forward. Throughout that
9 period, Bob Taylor's e-mails were all constructive and
10 helpful, and I would have had conversations with him.
11 I was not aware that he felt in any way slighted.

12 THE CHAIRMAN: I think your tone then is that you're
13 surprised that he feels a bit peeved about that?

14 A. Yes, I'm disappointed. I'm disappointed that any member
15 may not have felt that they were able to provide
16 everything that they could. I'm sorry about that.

17 MR STEWART: Can I ask you about the guidelines? Did the
18 committee, did the subgroup, take any steps to test them
19 against a known set of conditions, to stress-test them
20 against a known case to see if they met the
21 requirements?

22 A. From my recollection, no, not against a known case.
23 Now, that does not mean that clinicians, when they saw
24 the drafts, may have done so themselves. Where we did
25 test the guidance was in bringing them to a number of

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1 a fairly restrictive time frame, admittedly, but we
2 consulted with key professional groups, as in the SAC
3 paediatrics and anaesthetics, et cetera, and there was
4 therefore a degree of professional consultation and
5 there was also, importantly, a very high degree of
6 professional contentment with what was being produced.

7 Consultation prior to starting to draft would have
8 delayed the entire process. I felt personally
9 responsible and indeed responsible to the CMO to deliver
10 an outcome as quickly as possible. It would have been
11 exceptionally disappointing to me if I hadn't been able
12 to get something out as swiftly as possible.

13 THE CHAIRMAN: On this particular point, does that mean,
14 doctor, that when the working group met it was so clear
15 that they agreed the guidelines were necessary and the
16 key principles of what those guidelines would say were
17 debated at the first meeting and there was sufficient
18 progress then made to go straight to a subgroup?

19 A. That is correct. And I think the principles were
20 articulated at the first meeting. There are several
21 e-mails in the records that indicate that Bob Taylor was
22 very content with drafts as they progressed, and in fact
23 was quite complimentary to the steps that we were taking
24 to provide concise guidance.

25 THE CHAIRMAN: Okay.

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1 specialty advisory committees, in which we were posing
2 the question "Here is the guidance, do you think this
3 set of guidance, displayed clearly as posters, will help
4 provide the necessary information for junior medical and
5 nursing staff to ensure a similar case doesn't happen
6 again?" and furthermore, they would have been tested
7 with CREST, who would of course have been our regional
8 group normally providing guidance to test with them
9 whether they were reasonable, whether they were
10 sufficiently clear, whether the language was
11 appropriate, et cetera. But not on individual cases.

12 Q. For example, when you took the guidelines to the
13 Directors of Public Health at a meeting for their
14 suggestions, they suggested that you ought to really
15 contact the Royal College of Paediatrics and Child
16 Health and seek their approval. Did you?

17 A. I actually don't think that measure was taken, and
18 I suspect at the time that we were either close to or
19 just about to go to the printers and there had been
20 a fairly broad sweep of support from the
21 Northern Ireland clinicians and we were anxious to get
22 something out.

23 Q. We looked yesterday at the minute of the CREST meeting
24 at which the guidelines were tabled. Dr Leonard at that
25 CREST meeting suggested that perhaps steps should be

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1 taken to ensure that the guidelines were posted in the
2 Accident & Emergency department of every recipient
3 hospital. Were any such steps taken and guidance given
4 that this be done?
5 A. When CMO issued her letter that preceded the guidance
6 and then subsequently issued the guidance with a short
7 covering letter, that letter was sent to A&E consultants
8 and indeed surgeons, and we really -- I think we ordered
9 something like 300 posters at the time. We really
10 wanted to ensure that every specialist who may have an
11 interest and a need to know received the guidance. So
12 it was widely circulated.
13 Q. Thank you. You mentioned earlier Dr Taylor taking
14 a yellow card reference in relation to Raychel's case to
15 the Medicines Control Agency. We mentioned yesterday
16 afternoon that in fact you were copied into that
17 correspondence.
18 A. That's correct.
19 Q. And you received a copy of his letter from the Medicines
20 Control Agency of 23 October 2001 on 25 October 2001,
21 and we can find it at page 012-071e-412. This is where
22 he is asked by the Medicines Control Agency and does
23 supply information relating to the child death that he
24 reported, which is RF. He does that at paragraphs 1 to
25 10, and you can see the final two sentences where he

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1 aware, from Bob Taylor, of at least three deaths. Did
2 you ask Dr Taylor to give you information about the
3 additional death?
4 A. Not that I can recollect.
5 Q. Did you wonder why the additional death was not marked
6 on his bar graph?
7 A. I didn't, because what he's saying in the letter is that
8 he was currently conducting an audit and that initial
9 results -- so I sensed from that, that that was an
10 ongoing audit. But in any case we were not -- within
11 the group that we were working on we absolutely did not
12 have a remit to be pursuing individual cases or looking
13 at individual causes of death. That can be an important
14 matter but it wouldn't have been for our group. We
15 were --
16 Q. But you are looking at your causes of death because
17 you're trying to prevent further deaths from the same
18 cause.
19 A. We were set up to provide standards and guidance that
20 would inform the clinicians to ensure that a similar
21 death to Raychel's would not occur again. I accept that
22 this is material information, but it is not material
23 information that we would have necessarily been pursuing
24 in detail from a departmental perspective.
25 THE CHAIRMAN: Okay. And let's suppose that that is not

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1 informs them:
2 "I am also conducting an audit of all infants and
3 children admitted to the PICU with hyponatraemia. My
4 initial results indicate at least two other deaths
5 attributable to the use of Solution No. 18."
6 When you received that on 25 October 2001, what did
7 you do?
8 A. In relation to this letter?
9 Q. Yes.
10 A. There was no particular action taken by the department
11 at that time on the basis of that.
12 Q. What did you do?
13 A. I can't recall taking any particular action at that
14 time. The contents of it would have been noted and
15 filed, it would have been a relevant document. I note
16 that the last sentence is:
17 "... indicate two other deaths attributable to
18 No. 18 Solution."
19 If anything, what this would have done would have
20 been stimulate us to move even more swiftly to get
21 guidance out because the ...
22 Q. A month before you received this letter you were aware
23 of two deaths.
24 A. Mm.
25 Q. That was Raychel's death and the 1997 death. You're now

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1 material that you pursue for the purposes of producing
2 guidelines. Is it material that should be pursued for
3 any other purpose? For instance, is it material to say
4 to Dr Campbell, "I'm increasingly concerned about this,
5 it won't affect the progress of the working group, but
6 I wonder what on earth has gone on and should we not
7 find out more about these two other deaths to see if
8 they have been followed up or dealt with appropriately?"
9 A. I absolutely accept that that information would have
10 alerted us to the fact that the issue around
11 hyponatraemia and its consequences was maybe even more
12 significant than we had first anticipated. And indeed,
13 I recollect that, as the papers show, that we did write
14 to the NPSA and ask if they would be interested in
15 setting up a group to look at just this. When they set
16 up their group -- and I was on the group, as was my
17 colleague John Jenkins -- there was a sharing around the
18 table and a recognition that probably hyponatraemia was
19 more common than people had realised, and a number of
20 individuals around the table, UK-wide, had recalled one
21 or two cases. So that was emphasised in that also.
22 MR STEWART: But here, 25 October 2001, you are being told
23 that hyponatraemia is more common than you realised.
24 A. Mm-hm.
25 Q. You didn't ask Dr Taylor about it. Did you wonder why

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1 his bar graph was unreliable?
2 A. I was not sure of the detail around his audit, what time
3 period he was looking at, whether --
4 Q. But you do know from the bar graph exactly what time
5 period he's looking at there.
6 A. No, I didn't. It'd have gone back a decade or
7 thereabouts.
8 Q. Did you tell the CMO about this?
9 A. I do not recall. It would have been my normal practice
10 to copy letters to the CMO. I don't recall whether this
11 specific one was copied to her.
12 Q. It should have been. It should have been copied to her;
13 is that what you're saying?
14 A. I expect she would have been interested in it, yes,
15 absolutely.
16 THE CHAIRMAN: Can I just check something with you? We're
17 working on the assumption that this last sentence did
18 actually register with you at the time. What Dr Taylor
19 agreed to do at the working group was to report
20 Raychel's death to the Medicines Control Agency and he
21 fulfilled that obligation.
22 A. That's correct.
23 THE CHAIRMAN: And you were copied into what he sent to the
24 agency. Do you recall this last sentence registering
25 with you at all or are you speculating on why it wasn't

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1 A. Mm-hm.
2 THE CHAIRMAN: Okay. So is this a key piece of information
3 to copy onwards?
4 A. In terms of the work we were doing, this information
5 would not have altered our particular work, which was
6 progressing well and, as mentioned previously, we were
7 determined in any case to get something out swiftly.
8 MR STEWART: So in the normal course of events you would
9 have copied this on to Dr Darragh and Dr Campbell, but
10 you cannot recall?
11 THE CHAIRMAN: If it was a key piece of information.
12 MR STEWART: Well, it deals with RF, the death details, and
13 Dr Taylor thought it worthwhile bringing it to your
14 attention specifically.
15 THE CHAIRMAN: I'm sorry, Mr Stewart, Dr Taylor's forwarding
16 this, in terms, because he has told the working party
17 that he will do this, and one can interpret this letter
18 being forwarded to Dr McCarthy to show that he has done
19 what he was obliged to do.
20 MR STEWART: No, sir, with respect, this is not his yellow
21 card alert; this is a further train of correspondence
22 that ensues. He forwards the yellow card, they write
23 back to say, "Thank you for that, we note it, we're
24 going to look at it and consider it, but perhaps you'd
25 give us some further information about this particular

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1 acted upon when it did come to your attention?
2 A. Well, whether it registered or not, what I don't have
3 a recollection of is what action I took on the back of
4 that. I recognise that at the time my focus was
5 absolutely on getting the guidance out and that, among
6 other pieces of work, would have been occupying me.
7 THE CHAIRMAN: I understand that, but I want to be fair to
8 you in your evidence. I want to make sure I understand
9 whether you are remembering why something was or was not
10 done or whether you are best-guessing about why
11 something was or was not done.
12 A. I don't have a clear recollection of the significance of
13 that at the time and I don't have any record that helps
14 me to determine that.
15 THE CHAIRMAN: Thank you.
16 MR STEWART: Would you have copied this to the chairman of
17 the working group, Dr Darragh?
18 A. Um, yes. Normal practice would be that key pieces of
19 information were copied to senior officers.
20 THE CHAIRMAN: I'm sorry, but is this a key piece of
21 information? Because it's Dr Taylor, he had been asked
22 to provide something to the Medicines Control Agency, he
23 did that. But you've indicated to us that the detail of
24 Raychel's death, the same as the detail of other deaths,
25 is not particularly relevant to the working group.

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1 death". This is what he does. And then, by e-mail, he
2 sends you some of this correspondence. And we'll find
3 that e-mail at 007-032-059.
4 This is 25 October:
5 "Hi M, your draft on prevention of hyponatraemia
6 looks very good, although a little on the lengthy side.
7 I have received a response to my letter asking for
8 a hazard notice on Solution No. 18 from the Medicines
9 Control Agency in which they have asked for more
10 information. I enclose my response for your info."
11 So this is his additional information before they
12 actually come back with their finding, having reviewed
13 the proposition.
14 So given that the committee is considering the use
15 of Solution No. 18, it's correspondence which fits in
16 with those considerations.
17 THE CHAIRMAN: Thank you very much.
18 MR STEWART: If you had copied this letter in to doctors
19 Darragh and Campbell, would you have discussed the
20 matter further with them?
21 A. It's difficult for me to answer that. I think that's
22 speculating on what may have happened.
23 Q. Perhaps this may assist, perhaps it may not, 075-076-287
24 and 292. These are the minutes of a meeting of the
25 specialty advisory committee on paediatrics, which takes

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1 place on 30 October 2001. That's to say, a matter of
2 five days after you received that e-mail from Dr Taylor.
3 One of the issues being discussed at this meeting was
4 item 12, where you address the committee on the brief
5 guidelines that are being drafted.
6 We see at that committee really almost all the
7 players involved in the working group. We have from the
8 department yourself, Dr Darragh and Dr Campbell.
9 There's a Director of Public Health representative,
10 Dr Kennedy, then Dr Angela Bell, Dr Crean, Dr McAloon,
11 Professor Savage, Dr Taylor. Those are the people in
12 the meeting. That would have been an ideal opportunity
13 given that you were together and indeed you were
14 discussing hyponatraemia --
15 THE CHAIRMAN: Sorry, just between Professor Savage and
16 Dr Taylor, is that Dr Moira Stewart?
17 A. Probably, yes.
18 MR STEWART: Of course, she had engagement --
19 THE CHAIRMAN: I'm thinking in terms of timescale. By
20 30 October 2001, we'll check the dates, but by then was
21 she involved in the first of her reports on the
22 aftermath of Lucy's death?
23 MR STEWART: It's my belief that she was because Dr Jenkins
24 was then briefed at the beginning of 2002 --
25 THE CHAIRMAN: Thank you.

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1 seeing it. Perhaps you're already aware of it."
2 Were you aware of it?
3 A. No, that's the first I had heard of it.
4 Q. So this is death number four coming to your attention as
5 the convenor of the subgroup. Do you discuss this death
6 with other members of the working group?
7 A. My recollection -- this one was raised as a very
8 specific issue and I did follow up. My recollection
9 is that I called Clodagh Loughrey to get a little bit
10 more information and she had advised that she would have
11 a word with the coroner, who would contact me and give
12 me more details.
13 Q. And did he?
14 A. He did, yes.
15 Q. And were you forwarded a copy of Dr Sumner's report?
16 A. Yes, I was.
17 Q. And did you read it?
18 A. Yes, I did.
19 Q. And did you see there in the report that Adam died of an
20 excessive administration of fluid and that Dr Taylor was
21 administering the fluid, making the calculations? Did
22 you read that?
23 A. I saw the detail of the report, yes.
24 Q. And did you think then that that fitted into the
25 70 per cent of cases where there was an excessive

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1 MR STEWART: -- to give a report on Lucy's case.
2 THE CHAIRMAN: Yes.
3 MR STEWART: So there in one room is a group of individuals
4 possessed of much knowledge about these cases, about
5 hyponatraemia. You've just received a letter which
6 talks about a third death being brought to your
7 attention. Would that be something you might have
8 discussed amongst yourselves?
9 A. The records would show that what was discussed was the
10 guidance, but not any detail of either individual cases
11 nor any increase in prevalence.
12 Q. That's correct, that's what --
13 A. And I have no recollection of anything at each of the
14 SACs other than the content and presentation of the
15 guidance being discussed.
16 Q. Moving on to the month after this, 30 November. News of
17 a further death reaches you, that of Adam Strain. If we
18 go to 007-025-048. This is where Dr Clodagh Loughery
19 e-mails you, 30 November. Can we look at the paragraph
20 halfway down the screen?
21 "Were you aware of the death of a four-year-old
22 child in what sounds like very similar circumstances in
23 Northern Ireland in 1996? I was speaking to the coroner
24 about it today and he is to send me a copy of his report
25 in that case. Let me know if you'd be interested in

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1 administration of fluid?
2 A. I do not recall associating it with that particular
3 statistic. What struck me was that, firstly, this was
4 a second case where we had extensive detail on the cause
5 of death, that the circumstances were somewhat different
6 in that it was a perioperative and a fairly significant
7 surgical procedure, but that nonetheless there was
8 a commonality between the issue of fluid administration
9 and what was understood to be the case at that time with
10 Raychel Ferguson because this was before her inquest.
11 So yes, I was struck by the detail.
12 Q. Struck by the detail because it's relevant?
13 A. Not directly relevant to the guidance that we were
14 producing. But, again, like other information, it
15 stimulated us to get something out quickly because its
16 relevance was that we needed -- we quickly needed to get
17 professional advice out. And I was aware, as the
18 records of the case show, that this was a case where
19 senior medical staff had also been involved, hence the
20 emphasis of the guidance for all medical staff who might
21 have a role to play.
22 Q. But the detail must have informed the way you set about
23 drafting the guidance.
24 A. By November, the way the guidance was going to be
25 drafted was probably agreed in terms of the particular

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1 headline information and while there still was some
2 detail to be discussed about the content of particular
3 sections, the actual structure of the guidance and its
4 key message had already been agreed, so it did not, as
5 I recollect, materially alter that.

6 Q. But it was a useful case for you to test the draft
7 guidelines against, wasn't it, because it was a boy, as
8 opposed to Raychel who was a girl, it was
9 perioperative/intraoperative, as opposed to
10 post-operative, and because of his condition I don't
11 think SIADH was a live factor. Did you then use this
12 ideal vehicle for testing within the group?

13 A. Within the group, no, there wasn't, as I've commented
14 earlier, any testing of the guidance against individual
15 cases. The testing of the guidance was a broader
16 testing of asking professionals: are these particular
17 standards that we are putting out in terms of our
18 expectations for junior staff sufficient to ensure that
19 similar cases will not and could not happen again?

20 Q. When this detail came to you, Dr Taylor's case of
21 a death in 1995, as you saw from Dr Sumner's report, in
22 which Dr Taylor might be implicated in the
23 administration of excess fluid, did you not ask him
24 about it?

25 A. I don't recall having a detailed discussion with

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1 mentioned and discussed at the meeting, it was known
2 about. The accurate cause of death had been reached,
3 there had in fact been a negligence action which had
4 been settled. So it's simply that, almost the manner of
5 the cross-examination, which I simply rise to make the
6 point that, in my submission, there is a difference
7 between them that is rather fundamental because of the
8 very points you have made, sir.

9 THE CHAIRMAN: I think there is up to a point, but I think
10 the point that really intrigues me about this, doctor,
11 is that if it doesn't matter to you particularly how
12 many other deaths there are locally -- sorry, when I say
13 "you", I mean the group. If it doesn't particularly
14 matter to you how many deaths there are locally, you
15 come to your first meeting, there's one death that
16 you're aware of, which is Raychel's, there's references
17 in the literature, which is referred to at the meeting.
18 When Dr Loughery contacts you and tells you about there
19 might be another case, Adam's, why do you want or need
20 to know anything about Adam's death? Why do you conduct
21 any sort of scrutiny of those papers and then say it's
22 a rather different case from Raychel's if the
23 circumstances of other deaths and the number of other
24 deaths aren't relevant to the working group?

25 A. I accept that position entirely --

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1 Dr Taylor at the time.

2 Q. Did you ask him about it?

3 A. Not that I can remember.

4 Q. Because you must have seen from his bar graph that he
5 had most conspicuously left it out. Did that not strike
6 you as odd?

7 THE CHAIRMAN: Mr Uberoi?

8 MR UBEROI: I'm sorry to interrupt my learned friend's flow.
9 If I might just raise this point about this issue.
10 I have said before I can, of course, understand why
11 Dr Taylor has been asked and why questions have been
12 asked about how it came to be that the death of
13 Adam Strain was omitted from the bar graph. But
14 perhaps, at the risk of repeating a point I made
15 yesterday, in my submission, they go to different places
16 during this stage of the inquiry's hearings because, as
17 you yourself have said, sir, the guidelines were good,
18 and therefore if the Adam Strain case had been
19 mentioned, then guidelines which were already good may
20 have been even better or improved perhaps, but they were
21 good. And I simply rise to repeat the point that we are
22 not in the same category which you alluded to for the
23 other two cases, Lucy Crawford and Claire Roberts,
24 whereby death could have been uncovered if it was
25 mentioned, because whilst the Adam Strain case wasn't

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1 THE CHAIRMAN: But does it not undermine the suggestion that
2 the other deaths, by the fact of other local deaths and
3 the circumstances of other local deaths, are not
4 relevant?

5 A. The working group was producing guidance that needed to
6 be by its very nature generic and applicable to all. We
7 didn't, as mentioned earlier, see any need, nor did we,
8 to test it against individual cases. Nonetheless, it so
9 happened that in the course of events the coroner sent
10 me a copy of the medical report and called me to say,
11 "This medical report and its conclusions, rather than
12 the details of the individual case, may have some
13 bearing".

14 I received that report and I read it, and that's ...
15 That didn't have any direct bearing on the content of
16 the guidance, but nonetheless when I received it, I did
17 read it.

18 MR STEWART: You did, and in fact you read it closely and
19 you recognised common features between that case and
20 Raychel's case, didn't you?

21 A. Mm-hm.

22 Q. So you were analysing it in that context. Why would you
23 do that unless you're interested generally in what
24 information deaths could bring to your group?

25 A. It would have been my role as a senior medical officer.

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1 If I received papers, I would read them and consider
2 them carefully. That would have been what I did.
3 THE CHAIRMAN: I'm sorry, but you asked for these papers.
4 Dr Loughery advised you of the fact of Adam's death.
5 Then you followed up the idea of getting papers so that
6 you could give them some level of scrutiny. I don't
7 quite understand, doctor, how that tallies with the idea
8 that the number and the circumstances of other deaths
9 are not relevant to the working party.
10 A. I accept that. Just one small point of clarification.
11 I did not request the papers. In fact, we do not as
12 a rule request inquest papers, would not have, as
13 a rule, at that time certainly.
14 THE CHAIRMAN: I'm sorry, maybe I misunderstood how you got
15 Dr Sumner's report.
16 A. I had a phone conversation with Dr Loughery and I would
17 have been in fairly regular contact with her over the
18 detail of the guidance, and I think she had said
19 something along the lines of "Well, I'll be speaking to
20 the coroner again and I'll mention that it may be worth
21 furnishing you with a copy of the papers". The coroner
22 then subsequently called me a few weeks later and said,
23 "I'm happy to send a copy of this to you". So it came
24 to me through him rather than at my request. Of course
25 I was going to read it; it would have been of interest.

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1 deaths of Raychel Ferguson and Adam Strain ..."
2 Can you tell me how the rest of the working group
3 was informed of the death of Adam Strain?
4 A. I can't actually recollect how the rest of the working
5 group were informed or whether some, but not all were
6 aware. I'm sorry, I just don't recollect how they were
7 informed.
8 Q. Because they all should have been made aware, shouldn't
9 they?
10 A. Inasmuch as we were drafting the guidance as a common
11 set of standards, it would not have been necessary. On
12 the other hand, I had certainly been made aware and
13 Dr Loughery was aware and we knew that Dr Taylor was
14 aware it may have been of interest. But I can't recall
15 whether they were -- whether every member was informed.
16 I think probably not.
17 Q. And it was up to you to make them aware, wasn't it?
18 A. It was my role as a central role in terms of
19 facilitating and providing the leadership to the group
20 to have ensured that those who needed to know key pieces
21 of information did know them, yes.
22 Q. And the coroner thought that you should know this
23 information, didn't he?
24 A. He provided me with a report because he thought it may
25 have been of help.

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1 THE CHAIRMAN: It's a public document by that stage.
2 A. That's correct.
3 THE CHAIRMAN: So the privacy issues and the confidentiality
4 issues don't really exist.
5 A. That's true, that's true.
6 THE CHAIRMAN: Okay.
7 MR STEWART: Can we go to WS080/2, page 25.
8 THE CHAIRMAN: We're going to take a break at some point,
9 Mr Stewart. Does this suit?
10 MR STEWART: Let's finish this point. Well, it may take
11 some time. It might be a convenient time.
12 THE CHAIRMAN: We have to take a break for the stenographer
13 and for you, doctor, so we'll come back in about 10 or
14 15 minutes.
15 (11.36 am)
16 (A short break)
17 (12.00 pm)
18 MR STEWART: If we might, please, turn to page WS080/2,
19 page 25. At question 63(b) in the middle of the page --
20 this is to return to this issue once more:
21 "Please explain if you recognised any pattern
22 between the deaths of Raychel Ferguson and Adam Strain."
23 You answered:
24 "At the time the hyponatraemia guidance was in
25 preparation and working group members were aware of the

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1 Q. And did you bring this information to the CMO's
2 attention?
3 A. Yes, I did.
4 Q. You go on in this paragraph to say:
5 "I recall recognising some common factors, including
6 operative intervention, aspects of the monitoring, fluid
7 requirement and fluid type."
8 So you in fact compared them, contrasted them,
9 looked at the relevant issues in each; that was for the
10 purposes of relevance?
11 A. At the time I think it was for my own information. It
12 wasn't a rigorous analysis by any means and, from what
13 I can recall, I had not been aware of Dr Sumner before,
14 it wasn't a name that was necessarily familiar to me.
15 My conversation with the coroner at the time -- I think
16 he had indicated that, firstly, the details of the case
17 may have been of interest, but, secondly, that
18 Dr Sumner's particular expertise and interest around
19 hyponatraemia may also have been of interest. And
20 subsequently, we did follow up with Dr Sumner to seek
21 his advice on the inclusion or otherwise of particular
22 detail within the guidance in light of practice at Great
23 Ormond Street.
24 Q. If you read the documentation and you recognised these
25 common factors for your own information, why did you not

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1 share that information with the working group members?
2 A. I don't recall sharing it and the --
3 Q. Why not?
4 A. And the essence -- well, would it have materially
5 altered the work that we were currently bringing, as we
6 thought at that time, to a conclusion? This was in --
7 Q. How do you know? How were you to know it wouldn't?
8 A. The guidance that we were putting out was, as mentioned
9 earlier, intended to provide advice and guidance for
10 every child receiving fluids. We did not intend -- it
11 was not our remit, we did not intend and we did not do
12 any kind of retrospective analysis of particular cases.
13 This coincidentally came to our attention through the
14 coroner in the course of producing the guidance, but
15 that was more, I have to say, by coincidence. Because
16 the coroner knew what we were preparing, the coroner had
17 brought this to our attention and thought that the
18 medical report may be of interest.
19 Q. Yes, and Clodagh Loughery of the committee thought it of
20 interest as well.
21 A. Correct.
22 Q. And when you compared the features of the cases for your
23 own information, it was because this case was relevant,
24 Adam's case was relevant, relevant to Raychel's case and
25 relevant to your understanding of hyponatraemia.

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1 undergoing fairly significant surgery who had previous
2 surgery in the past and was undergoing a significant
3 operation, whereas Raychel had been a previously healthy
4 child, undergoing -- any operation is significant to
5 a family, but undergoing what is generally regarded as
6 a relatively straightforward procedure.
7 Q. Can you explain how it is then that the communications
8 director of the department is indicating that you have
9 suggested or agreed that there was no read-across one
10 case to the other?
11 A. I can't explain that. If I were asked about that,
12 I would have been indicating, reflecting what I have
13 just reflected. There is some read-across, but there is
14 not necessarily a direct read-across. The difficulty is
15 I don't know to what documents this is referring in
16 terms of --
17 Q. We'll just go to an e-mail --
18 THE CHAIRMAN: Sorry, for there to be ... no two children
19 will ever be the same; right?
20 A. That is correct.
21 THE CHAIRMAN: And the circumstances are almost always going
22 to have variations of greater or lesser significance.
23 A. Yes.
24 THE CHAIRMAN: So there will be some read-across but very
25 rarely will you get a direct read-across?

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1 A. Yes.
2 Q. Can I ask, please, that we look at page 023-045-103.
3 This is moving on to September 2004, and this is
4 a flurry of e-mails passing between various press
5 officers of various trusts and Mr Colm Shannon of the
6 department. Mr Colm Shannon, was he a press officer?
7 A. He was. He would have been the most senior press
8 officer at the time.
9 Q. He was communications director or something?
10 A. Yes. I'm not sure where he is now at the moment.
11 Q. This top e-mail, 22 September, he is e-mailing the
12 communication manager of the Altnagelvin Hospital. He
13 writes:
14 "Marie, in relation to Adam Strain, I have spoken to
15 the Royal and to Dr McCarthy about the case of
16 Adam Strain and there would appear to be no read-across
17 to the Raychel Ferguson case."
18 That's information coming out of the department.
19 Did you indicate to Mr Shannon that there was no
20 read-across from Adam Strain to Raychel?
21 A. Not that I recall. As in my witness statement, I would
22 have seen a read-across on some aspects, for example the
23 administration of fluid, the volume of fluid and the
24 monitoring, issues common, and I would have seen quite
25 a few differences as in Adam, I know, was a child

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1 A. Yes.
2 THE CHAIRMAN: But that means that the thrust of that
3 sentence is wrong, isn't it? "There would appear to be
4 no read-across to the Raychel Ferguson case" is really
5 quite wrong.
6 A. I would not agree with that sentence.
7 MR STEWART: How could it be that the department is putting
8 out that sort of thing and in your name?
9 THE CHAIRMAN: I'm sorry, to be fair to you, doctor, this is
10 what Mr Shannon has picked up from speaking to
11 Dr McCarthy and also from speaking to the Royal.
12 MR STEWART: Yes, we're just going to go to that e-mail,
13 if we may, sir. It appears at 023-045-105. This is the
14 information coming from the Royal, Christine Stewart at
15 Royal Hospitals, of two days before, to Colm Shannon of
16 the department:
17 "I have spoken with Bob Taylor, consultant
18 anaesthetist at PICU, who was involved in the management
19 of Adam Strain and gave evidence at the inquest.
20 Following a detailed examination of the issues
21 surrounding patient AS, there were no new learning
22 points and therefore no need to disseminate any
23 information."
24 Was that information brought to your attention by
25 Mr Shannon?

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1 A. Not that I can recollect.
2 Q. So when Mr Shannon says that he has spoken to you, can
3 you recall any discussions with him at that time?
4 A. Not directly. There would have been quite a number of
5 discussions in or around that period in relation to
6 media enquiries. I don't recall detailed discussions.
7 If I may just make a comment on the previous page that
8 was up? While the e-mail was sent from Colm Shannon,
9 the e-mail is signed "Clare Baxter", so ...
10 THE CHAIRMAN: She's another press officer, isn't she?
11 A. Yes, she is.
12 MR STEWART: Shall we go back to that again? It is
13 023-045-103. That was the e-mail from Colm Shannon to
14 Marie Dunne of Altnagelvin with a copy to Clare Baxter.
15 And Clare Baxter was your secretary; is that right?
16 A. No, Clare Baxter was another press officer. I just
17 notice that the wording and the signature in the last
18 line:
19 "I am out of the office, but if there are any
20 issues, you can ring Claire."
21 Sorry, my mistake. It was from Colm. I beg your
22 pardon.
23 THE CHAIRMAN: I don't know the extent to which you have
24 followed the inquiry and I know that you're not a --
25 you're a public health specialist and not

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1 Q. What would you have asked him, given what you have read?
2 MR UBEROI: I think we're getting into very tricky territory
3 here, if I may so, sir. The last answer was clearly
4 prefaced by "I don't have any recollection", so all
5 we're really doing is fishing for speculative guesses as
6 to a conversation 10, 12 years ago.
7 THE CHAIRMAN: I think that's pushing it a bit further than
8 we need to go, Mr Stewart.
9 MR STEWART: Can we go, please, to the culmination of the
10 working group deliberations and to the production of the
11 guidelines in March 2002. They were introduced by the
12 Chief Medical Officer by letter at 012-064c-328 and 329.
13 Do you remember who drafted this letter?
14 A. I would have drafted that letter [OVERSPEAKING] CMO.
15 Q. Second paragraph:
16 "Hyponatraemia can be extremely serious and has
17 in the past few years been responsible for two deaths
18 among children in Northern Ireland."
19 We've just gone through the information relating to
20 four deaths that you may have had. Why did you say two
21 deaths?
22 THE CHAIRMAN: It might be four, it might be three.
23 MR STEWART: First of all, we've got Raychel Ferguson. Then
24 we've got 1997. Then we've got at least two others,
25 which makes it three, and I suppose, sir, if one of

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1 a hyponatraemia specialist. But in light of what
2 you have picked up, doctor, do you agree there were no
3 new learning points from Adam's death and nothing to
4 disseminate?
5 A. Um ... In light of what I understand, I suppose I would
6 say that there were learning points from each of the
7 cases and each of the deaths that all could be helpful
8 in trying to prevent further events in the future.
9 THE CHAIRMAN: In fact, at the very least we know that
10 at the inquest there was an agreed statement. That
11 statement committed the Royal to informing anaesthetists
12 about and keeping them trained in this, and it fell by
13 the wayside, but Dr Murnaghan intended to hold a seminar
14 at which a range of doctors would be present and they
15 would discuss what the learning was from Adam's death.
16 A. Yes.
17 THE CHAIRMAN: Thank you.
18 MR STEWART: When you learnt of Adam's death in the RBHSC,
19 did you have any communication with Dr Crean about it?
20 Dr Crean of the RBHSC. Did you ask him about it?
21 A. Not that I recollect.
22 Q. Did you speak to anybody about it?
23 A. Um ... I don't have a recollection of discussing the
24 detail of the case. I may have discussed it in passing
25 with Dr Bob Taylor, but not in any detail.

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1 those might be Adam, it's three or four.
2 THE CHAIRMAN: It's three or four.
3 MR STEWART: Thank you, sir.
4 Given that you know of at least three or four
5 deaths, why do you only mention two?
6 A. The two deaths to which we were referring in that letter
7 were those of Adam and Raychel. I recognise that the
8 bar chart and other information received would have
9 indicated that there may have been more, but the
10 department did not have any details or any conclusive
11 information around the nature of any other cases or the
12 particular cause of death. So there were two that
13 we were absolutely aware of and that was fairly
14 definitive, and other information had not been
15 necessarily clarified, nor was available to us at the
16 time.
17 Q. But you had indications that there would be at least
18 three, if not four, and all you had to do was pick up
19 the phone to Bob Taylor and say, "That 1997 death, just
20 exactly what was that and were there any others?"
21 That's all you had to do. It looks as though you're
22 deliberately understating the number of deaths known to
23 the department.
24 A. Well, that would certainly not have been, in any
25 respect, the intent of that. There were two that

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1 we were aware of. We had not, in the group, been
2 pursuing information on prevalence or incidence, and
3 therefore we just didn't have any additional
4 information. In light of the fact that the letter went
5 out clearly stating that hyponatraemia can be extremely
6 serious and the emphasis in essence was that -- and yes,
7 it can be fatal, so it was to draw the attention of
8 clinicians to the very serious nature and the very
9 serious need to take due account of the guidance.

10 Q. But if you're trying to emphasise the seriousness and
11 urgency of the situation, why don't you at the very
12 least write "at least two deaths", or why don't you make
13 the phone call and actually give the information to
14 underline and emphasise the seriousness of what you're
15 doing?

16 A. I accept that that would have been helpful and "at least
17 two deaths" would have been more accurate. I accept
18 that.

19 Q. In the paragraph at the foot of that page:
20 "Fluid protocols should be developed locally to
21 complement the guidance and provide for specific
22 direction to junior staff."
23 Was any thought given to giving advice to trusts
24 in the preparation of their own localised fluid
25 protocols?

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1 and I have worked with very many of them since on
2 different issues and I have huge regard for their
3 integrity, clinically and in supporting and producing
4 strategic documents.

5 Q. I have asked you how you felt now, having drafted that
6 letter, that they kept this information from you?

7 THE CHAIRMAN: I understand that answer entirely and this
8 may seem a bit unfair, doctor, and it is certainly
9 unfortunate that we're focusing on this, but I think you
10 know why we're focusing on this.

11 A. Yes.

12 THE CHAIRMAN: If the people who you were working with were
13 not good, professional clinicians, the guidelines would
14 not have emerged as quickly, effectively and
15 successfully as they did. So I entirely accept that.
16 But in a sense, Mr Stewart is asking you this: are you
17 not disappointed by the fact that they had between them
18 more information about other deaths, which was not
19 disclosed or discussed during the lifetime of the
20 working group?

21 A. Truthfully, I sort of find it inexplicable more than
22 anything.

23 MR STEWART: Well, in light of that answer, do you want to
24 reflect again upon the answer you gave a moment ago,
25 which was to pay tribute to their helpfulness and their

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1 A. In issuing any guidance, we would normally expect the
2 trusts to take this kind of measure forward themselves,
3 that it would depend on them within their own
4 organisation developing the protocols. It was unusual
5 in itself for the department to be issuing guidance. It
6 was not normally a function of CMO's group. It was done
7 because of Dr Campbell's intent to have something out
8 quickly.

9 Nor would it have been usual for the department to
10 have specified what an individual trust protocol would
11 have looked like, so the expectation was that that would
12 be something that the clinical groups within the trusts
13 would take forward as they saw necessary in light of
14 their patient population.

15 Q. Looking back now, having drafted that letter for the
16 CMO, without putting her name to it and referring to
17 just the two deaths, how do you feel about your fellow
18 working group members who kept from you and the CMO the
19 facts and the identities of the other victims of
20 hyponatraemia?

21 A. The working group members that I worked with were, in
22 terms of the work that we were asked to do, extremely
23 helpful, constructive, enthusiastic, and their input to
24 ensuring that the guidance was fit for purpose could not
25 be faulted in any way. I worked with a very good group

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1 integrity?

2 THE CHAIRMAN: We don't need to go there, Mr Stewart.

3 I don't want to detract from what the group did because
4 what the group did was important and it set a standard
5 in Northern Ireland ahead of the rest of the UK, which
6 is important to remember. My regret, which I think
7 Dr McCarthy shares, is the inexplicable failure to draw
8 to the attention of other people in the working group,
9 like Dr McCarthy herself, the fact of other events.

10 MR STEWART: Yes, sir.

11 We might move on then to address the subject of the
12 arrangements made for the audit of the guidelines that
13 your group had produced. We might go through this in
14 sequence. Could we please have page 007-048-094 and
15 095? This is, as you can see, the minute of the first
16 meeting of your group, 26 September 2001. You'll see on
17 the right-hand side, the last line of paragraph 3:
18 "Audit of guidelines is encouraged."
19 And at paragraph 8:
20 "It was decided that a small group should undertake
21 the drafting of guidelines and audit protocol."
22 Can I ask you what was envisaged by the audit
23 protocol?

24 A. I think what was expected in the first instance was
25 that, when we produce guidance, we would indicate the

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1 kind of measures that would be applied to check
2 compliance with the guidance.
3 Q. Subsequent guidelines, and I think particularly of the
4 Alert No. 22, had attached to it a compliance template.
5 A. That's correct.
6 Q. An assurance template.
7 A. Yes.
8 Q. It's that type of thing you had in mind? Perhaps less
9 evolved, but --
10 A. It might not have been as clear as that, but of course
11 nowadays when we produce any set of guidance -- and NICE
12 certainly does the same -- they tend to be accompanied
13 by an audit template. So it actually prompts people to
14 measure their adherence to the guidance. That was not
15 very well developed in 2001.
16 THE CHAIRMAN: At the end of Dr Darragh's evidence yesterday
17 he said if you were doing the same thing again now,
18 compared to 2001 and 2002, it would be done more
19 robustly in terms of audit than was then the position,
20 but that is just one of the advantages of the
21 development of governance?
22 A. Yes.
23 MR STEWART: But in the interests of encouraging the
24 guidelines, the audit and the guidelines, it was
25 suggested that this small group undertake the drafting

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1 essential words were in in every circumstance and
2 therefore the detail of an audit simply could not be
3 included unless it was at the expense of something else.
4 THE CHAIRMAN: Is that for the purposes of keeping the chart
5 as clear and comprehensible as possible?
6 A. Absolutely.
7 THE CHAIRMAN: Because the more information you add in, the
8 more people are put off?
9 A. Yes, there was quite a delicate balance in that respect,
10 that took a significant number of hours to get right.
11 So therefore, it would have been our assumption when the
12 guidance was issued that, yes, of course audit would be
13 necessary, but that we would probably follow up in due
14 course on what that audit may look like.
15 If I might just add, having been involved in other
16 audits, and one that I did in a similar kind of time
17 frame was the regional audit of thrombolysis. That took
18 three or four months simply to plan the audit tool. The
19 rigour required was really very significant. So we
20 recognised that to properly plan an audit tool may take
21 a little bit of time, but the priority was to get the
22 guidance out first and foremost and then it was
23 anticipated that we would follow up with an audit, as
24 indicated in Dr Campbell's letter.
25 MR STEWART: Yes. Perhaps we can go to the next stage of

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1 of the audit protocol. We understand that that wasn't
2 in fact done; is that correct?
3 A. There is a reference in one of the documents
4 007-035-065 --
5 Q. Could we have that, please?
6 A. We're obviously at that point, either by telephone or
7 e-mail -- that's my writing, the manuscript -- beginning
8 to think about what we would do as an audit tool. But
9 I recall two factors playing a role in the development
10 or lack of an audit tool. One is that our main focus
11 throughout those few months was getting the guidance
12 out. I had hoped that it would be out by early January
13 as articulated in some of the e-mails of late December.
14 It actually took a little bit longer because of the
15 discussions with SACs and others. Therefore, it took
16 maybe six months rather than the three or four months
17 that we had originally planned. So I think we were
18 focusing on, firstly, getting the guidance out, secondly
19 I think we did have -- I do recall discussion around
20 whether we could accommodate something in the guidance
21 that would indicate an audit expectation, if not
22 requirement. The truth was the guidance, as we were
23 producing it as an A2 chart, simply had no space on the
24 chart to accommodate anything else. There was an
25 absolute scrutiny in the guidance to ensure that only

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1 this sequence, which appears at WS035/2, page 347. This
2 is you writing, it's a round-robin letter, this
3 particular copy went to Dr Nesbitt, in relation to the
4 final draft of the guidelines, and you say:
5 "If you're content, we'll go ahead to print and it
6 will be distributed and accompanied by a CMO letter."
7 And:
8 "When the guidelines have been printed I will
9 arrange another meeting to discuss how we may conduct an
10 audit on use of the guidelines."
11 That is, I think, early 2002, before it goes to
12 press. Did you arrange a further meeting with the group
13 to discuss how you may best conduct the audit?
14 A. I don't think a further meeting was arranged. I think
15 subsequently we allowed time for the guidance to be
16 embedded into the system and then subsequently CMO asked
17 for an audit to be undertaken.
18 Q. Yes. We're just going through this step-by-step. The
19 next step is in fact the CMO's letter which you drafted
20 and that's at 012-064c-328 and 329.
21 It's really page 329 at the top. At the top, you
22 and the Chief Medical Officer stress:
23 "It will be important to audit compliance with the
24 guidance and locally developed protocols and to learn
25 from clinical experience."

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1 So it looks as though the obligation to audit is
2 passed across to the trusts. And it is stressed to be
3 important.
4 A. Mm-hm.
5 Q. When this letter went out, did you at that stage think
6 it was appropriate to convene a meeting to plan this
7 audit or to give advice to the trusts?
8 A. My recollection is that that didn't happen at this point
9 in time. I honestly cannot remember the detail of how
10 it was determined, how and by whom an audit would be
11 conducted.
12 Q. Moving on, six months later you come to a meeting of the
13 specialty advisory committee. That's at 320-056-001 and
14 002. This is six months after the guidelines have been
15 distributed. We see at that meeting, from the
16 department, Dr Campbell, Dr Carson and yourself and
17 others. On the right-hand side:
18 "Hyponatraemia. Members commended the guidance
19 [which had been circulated previously] and it was
20 suggested that an audit of the guidelines in due course
21 would be valuable."
22 So that is the specialty advisory committee in
23 paediatrics stressing again the audit is valuable. In
24 response to that suggestion, did you take any action?
25 A. Well, the action on that was that members of the

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1 A. Yes.
2 Q. And that is in September 2002, and in fact he conducts
3 two snapshot audits in June of 2003 and January of 2004.
4 And you don't get the results of that until much later
5 in 2004. But in the meantime, that's September 2002,
6 and in February of 2003 we have the inquest of Raychel.
7 A. Mm-hm.
8 Q. And then in March 2003 you learn of the death of
9 Lucy Crawford.
10 A. Mm-hm.
11 Q. And then, in May 2003, Conor dies.
12 A. Mm-hm.
13 Q. So at that stage if you knew perhaps of three or four
14 deaths beforehand, you now know of five or six deaths.
15 In November of that year, you co-author an article in
16 the Ulster Medical Journal.
17 A. That's correct.
18 Q. It appears at 007-083-198. This is November 2003, six
19 months or so after Conor has died. Then we look at the
20 first sentence:
21 "... increasingly recognised in recent years as
22 a potential complication of fluid therapy in children,
23 and at least two children in Northern Ireland have
24 died."
25 "At least two children." We're back to this point

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1 committee in the trusts were to advise on whether there
2 was a particular doctor in training who may have been
3 suitable to work on that particular item.
4 Q. It seems that Dr Jarlath McAloon came forward and took
5 hold of the situation and started his own proposition
6 for an audit at that stage.
7 A. Yes.
8 Q. Is that correct?
9 A. As far as I can recall, yes.
10 THE CHAIRMAN: Is that independent of the CMO and the
11 department or is that associated with the last entry
12 you have just referred to, doctor, where Dr Campbell's
13 asking for names of people who would be interested in
14 taking the audit forward?
15 A. I think what was happening was that Dr McAloon was
16 taking forward a particular piece of work within his
17 trust to look at the compliance with the guidance. And
18 really, subsequent to that, CMO thought that it would be
19 helpful for him to take forward something on a regional
20 basis.
21 MR STEWART: He's told the inquiry that, as regional
22 adviser, he felt he had some responsibility to move the
23 overall process along as it was an outstanding action on
24 the agenda. That's the agenda that you were referring
25 to a moment ago.

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1 again. Why is the figure being understated again?
2 A. I suspect that may have been lifted from the CMO's
3 letter. What I don't recall is when that editorial was
4 submitted to the Ulster Medical Journal. Sometimes
5 there is a delay between submission and publication --
6 Q. True.
7 A. -- so I can't recall the timing of that.
8 Q. It would be a lengthy delay, though, wouldn't it? Can
9 we go to page 007-083-200? We see that in fact you
10 co-authored it with Dr Jenkins and Dr Taylor. It's the
11 last sentence. You are stressing there in respect of
12 the question of audit:
13 "Preventative measures to avoid this potentially
14 fatal condition need to be instituted in all units
15 caring for children."
16 "Measures need to be instituted", but at that stage
17 you still don't know whether the department's guidelines
18 had been instituted, implemented, monitored, working, do
19 you?
20 A. It was around that time that I think Dr McAloon was in
21 a position to provide the outcome on his audit, but yes
22 we didn't have absolute crystal clarity, crystal-clear
23 clarity at that point.
24 Q. Indeed, he hasn't even completed the second part of his
25 audit at that stage. The next thing that happens is

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1 Lucy's inquest happens and the coroner then writes to
2 the CMO at 013-046a-216 and 217.

3 You'll see he writes consequent to the inquest of
4 Lucy Crawford and he encloses, you'll see in the second
5 paragraph, a full set of the inquest papers to the Chief
6 Medical Officer. He says, as you'll see, in the third
7 paragraph:

8 "Nonetheless [he suggests in light of forwarding the
9 papers] there may be merit in the working party
10 examining the inquest papers in relation to the death of
11 Lucy to see if any changes to the protocol might be
12 required."

13 So he's still interested in letting the department
14 know the details of deaths. Then he goes on in the
15 final paragraph on the right-hand side to make the point
16 relevant to audit:

17 "Is there any monitoring of the standard of medical
18 record keeping? Are nurses now briefed on a regular
19 basis as to the implications of the protocol? I pose
20 these questions as they relate to issues which really do
21 concern me."

22 So there we are, we're in February 2004, practically
23 two years on, you don't know whether the guidelines are
24 in place, he's concerned to know whether they might be,
25 the audit protocol wasn't produced, you didn't meet

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1 Q. If we can go back to the question of audit, what the
2 coroner's plea did provoke was the letter from the CMO
3 to the trusts on 4 March 2004. It seems to be a direct
4 response to this letter from the coroner. It appears at
5 021-043-089.

6 This letter relates not only to your working group's
7 guidelines but was also to the CREST guidelines in
8 respect of hyponatraemia in adults:

9 "The purpose of this letter [as you can see in the
10 final sentence] is to ask you [that's to say
11 chief executives of all trusts] to assure me that both
12 of these guidelines have been incorporated into clinical
13 practice in your trust and that their implementation has
14 been monitored. I welcome this assurance and ask you to
15 respond in writing before 16 April."

16 So two years on, we're now asking for an indication
17 of the implementation, monitoring, essentially an audit
18 of compliance, by 16 April. Quite a lot of responses to
19 this were not received by 16 April. Were any steps
20 taken to follow that up immediately after 16 April?

21 A. There's no record of any steps being taken immediately
22 after 16 April, but at Dr Campbell's request I issued
23 reminders, but that admittedly was some months later.

24 Q. Quite a number of months later. You were still briefing
25 the CMO on hyponatraemia matters on, in fact, 15 April.

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1 again. The incentives are there for you to do something
2 about it, the reminders are there, nothing's been done
3 to speed things up. Why was that?

4 A. What was being done in 2004 was CMO had -- the working
5 group was not a standing group, so therefore once the
6 guidance was produced, the working group no longer
7 existed as such. Dr Campbell had asked me to write to
8 the members of the working group to ask whether any
9 further update or changes to the guidance needed to be
10 prepared. So that was one thing that they had -- that
11 was ongoing.

12 On the back of that, Dr Campbell also had
13 facilitated a meeting with Sir Cyril Chandler at which
14 it was discussed: do we need to make changes to the
15 guidance or is it good as it is or does it need to be
16 supplemented by something? And then, of course, in or
17 around the end of 2004, in the autumn of 2004, the audit
18 was available.

19 The outcome of those things, which I suppose came
20 together at some point late in 2004, was that we didn't
21 need to change the guidance that had been issued, but
22 what did need to happen was it needed to be complemented
23 by a fluid pathway that would apply and Dr Campbell at
24 that time asked Dr McAloon and others to develop a fluid
25 pathway.

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1 A. Mm-hm.

2 Q. There's a letter from you to the CMO, but nothing
3 in relation to following this up. In June of 2004,
4 three months after this, the coroner holds his inquest
5 into Conor Mitchell's death. And then in August 2004,
6 Dr Jarlath McAloon comes back with his regional audit.
7 That can be found at page 007-092-234.

8 That's the covering letter. You can see that he
9 states there:

10 "The regional audit has been conducted in 2003/2004
11 to examine adherence to the guidance."

12 And in fact you see at the top your name is noted as
13 having received a copy.

14 If we go to the next page, 235. The essential
15 import of the report is in the summary section. The
16 last sentence:

17 "This paper reports the findings of the first
18 regional audit undertaken to examine practice following
19 introduction of the guidance [that's your guidelines]
20 and the evidence suggests that implementation has so far
21 been incomplete."

22 If we could go to the final page of his report at
23 page 239, his final conclusion in the concluding
24 paragraph is:

25 "Given the incomplete compliance, until then it is

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1 essential that all clinicians in Northern Ireland caring
2 for children in receipt of fluid therapy know of the
3 associated risks and are aware of our regional
4 best-practice guidance and that paediatric departments
5 initiate a process of regular monitoring of guideline
6 adherence as part of their multidisciplinary audit and
7 clinical governance programme."

8 So he's coming back to stress it's essential that
9 they know.

10 At this time, you're still awaiting responses from
11 a number of trusts as to whether they've actually
12 implemented your guidelines, whether they're monitoring
13 your guidelines. You haven't gone back to ask them for
14 information. I take it you haven't actually followed up
15 on some of the responses you have received at that time
16 to know whether they're accurate.

17 A. I don't recall any follow-up with the trusts at that
18 time.

19 Q. And then --

20 THE CHAIRMAN: You're acting on the presumption that if
21 a trust replies to you and tells you what it has done to
22 implement the guidelines, that you can rely on that
23 information?

24 A. That would have been our assumption, although obviously
25 we would have had the discretion to go back and either

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1 073-041-172.

2 That's your letter, 3 November. That's seven months
3 after the deadline has passed. It's three months after
4 Dr McAloon's audit. Nine months after response. And
5 it's written after UTV broadcast their programme:

6 "Unfortunately, I do not have any record of
7 a response for your trust and I would appreciate if you
8 could issue a response at your earliest convenience."

9 Were you surprised that the trusts should be so
10 dilatory in this matter?

11 A. Normally trusts replied in or around the due date or
12 sometimes requested extensions. Yes, I think it would
13 not have been usual for so many months to have elapsed
14 before responses were received.

15 Q. Would it be usual for so many months to elapse without
16 an additional and more strongly worded reminder to go
17 out?

18 A. Certainly today it would be most unusual because we tend
19 to follow up much more rigorously. If we issue a letter
20 and ask for a response by a particular date, we tend to
21 follow up within a week or two of that to emphasise the
22 need for having an early response.

23 Q. You did get the Royal's response finally,
24 16 December 2004 it's dated, and it's at 073-030-136.
25 It's dated 16 December 2004, with date stamp as

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1 ask them to explain or provide additional information.

2 THE CHAIRMAN: So you'll be aware of what was resolved last
3 week in Conor Mitchell's case in Craigavon about the
4 fact that the letter which was sent in response to the
5 CMO's enquiry about audit had no basis --

6 A. Yes.

7 THE CHAIRMAN: -- which I presume you also find inexplicable
8 as to how the CMO was provided with information like
9 that?

10 A. Well, yes. When we ask trusts for assurance, we expect
11 that to be based on what's actually happening.

12 THE CHAIRMAN: Yes.

13 MR STEWART: You have said the CMO's sent her letter asking
14 for the Royal Belfast Hospital for Sick Children, as
15 part of the Royal Group of Hospitals trust, to respond
16 by 16 April. You knew the RBHSC importance in terms of
17 the hyponatraemia deaths, the importance in terms of its
18 pivotal position as the regional centre for excellence
19 and a teaching hospital. And yet there's no response
20 from them. As 2004 grinds on, UTV eventually broadcast
21 their documentary in October 2004, and the permanent
22 secretary, Mr Gowdy, moves to ask all relevant parties
23 to find and secure documentation, and it's only then, on
24 3 November, that you write to those erring trusts who
25 have not yet responded to you to remind them. That's at

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1 5 January 2005. He writes not to confirm
2 implementation, nor to confirm monitoring, let alone
3 audit, but to confirm this information was disseminated
4 within this trust. That's a rather sort of a brush-off,
5 really, isn't it? It's not giving you the information
6 you want.

7 A. No.

8 Q. Did you go back to him?

9 A. I agree, that's not an adequate response. By the time
10 that was received in January 2005, I don't recall going
11 back to him. I think my duties had probably changed to
12 some degree such that I wasn't following up on all
13 issues relating to children's services or hyponatraemia.
14 But I'm not conscious that any of us went back to the
15 Royal specifically or, sorry, to the Belfast Trust or
16 the Royal.

17 Q. You see, at that time you were still engaged in
18 hyponatraemia matters because you were a member of the
19 NPSA external reference group, and that's the NPSA
20 hypotonic fluids group 2005/2006, and you also served
21 with McAloon on the fluid therapy regional working group
22 in 2005. So you were still closely engaged with the
23 issue?

24 A. Yes, I did have some engagement.

25 Q. Can I ask you please about Sir Cyril Chandler and his

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1 contribution? Did he make any comments on your
2 guidelines in writing?
3 A. Not that I was aware of. We did have a meeting with him
4 and he made some general comments at that meeting about
5 the nature of hyponatraemia and the aspects of a child's
6 condition to be -- on which clinicians ought to be
7 alert. But I don't recall seeing follow-up in writing.
8 Q. Because at one stage I think you asked for a copy of his
9 comments, which would suggest they had been reduced to
10 writing.
11 Can we have a look, please, at page 001-015-062?
12 This is a statement prepared for the minister,
13 Angela Smith, in the aftermath of the inquest into Lucy.
14 You see the large paragraph towards the foot of the page
15 and the sentence beginning:
16 "In response, Dr Campbell has engaged an
17 international medical expert in the specialty of
18 paediatrics to quality assure the guidance in light of
19 the findings of the inquest into Lucy's death."
20 Was that Sir Cyril Chandler, was he the
21 international medical expert?
22 A. I'm not aware of anybody else having been involved of
23 that sort of stature, so I expect it was.
24 Q. So if it's being suggested that the minister should
25 inform the public and reassure the public that the CMO

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1 Q. Do you remember now what her specialty was?
2 A. She was a doctor in training within public health.
3 Q. She thought it relevant to suggest to you by e-mail that
4 the lessons and the points emerging from the inquest
5 papers might be relevant to the discussions. That
6 appears at page 320-126-123 and 124:
7 "I have made a list of the key learning points from
8 the inquests into the three deaths. I am hoping to
9 share this with the group so they can take these points
10 into consideration when developing the care pathway."
11 As I understand it, it was an algorithm rather than
12 a care pathway that was in fact decided upon?
13 A. That's correct.
14 Q. And she asks you:
15 "Are you happy that this be shared with the group?"
16 And then, on the right-hand side, she's actually
17 listed various points which she thinks emerge from the
18 inquests that are relevant to guidelines. Would this
19 not strongly suggest that lessons could readily be
20 extracted from previous cases of relevance to
21 guidelines?
22 A. It could suggest that, but also, if I may suggest that
23 the issues that Angela Jordan raised at that time were
24 largely issues that had been included in our guidance
25 that went out in 2002 about the awareness, the

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1 had engaged an international medical expert to quality
2 assure the guidance, one would imagine that such
3 a quality assurance would be reduced to writing.
4 A. I would have expected that.
5 Q. But it wasn't. Is that your --
6 A. I do not have a record of any report from Sir Cyril.
7 Q. And indeed, as I say, you asked for one. That appears
8 at 075-008-018. There you are, it's from you, CMO, and
9 the line there which is partially obscured by
10 a photocopy:
11 "Is it possible [I think you write] to get a copy of
12 Sir Cyril's comments on the guidance. Happy to discuss.
13 Miriam."
14 So presumably, had there been a copy floating
15 around, it would have found its way to you?
16 A. I would have expected it to.
17 Q. In 2004, in the aftermath of Lucy's case and the
18 coroner's letter, the working group was brought back
19 together again to look at the guidelines to see if they
20 could be or should be amended.
21 A. Mm-hm.
22 Q. And that was the fluid therapy regional working group
23 that I referred to a moment ago. Dr Angela Jordan was
24 asked to form a part of that group.
25 A. That's correct.

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1 possibility of inappropriate ADH, records of fluid
2 calculation, recording the type, the rate, et cetera,
3 going into a bit more detail. The handwritten notes
4 at the bottom are mine, obviously where I was kind of
5 thinking about what was needed in terms of knowledge,
6 awareness and monitoring, et cetera.
7 So, yes, I expect that Angela was drawing both on
8 the information originally included in the guidance and
9 any subsequent information that had come to light.
10 Q. That's true, but that's an observation made with the
11 benefit of hindsight.
12 A. Yes.
13 Q. At the time of the working group, you weren't to know
14 what lessons might be derived from the inquests, which
15 is why I suggest to you again it would have been an
16 obvious thing to do.
17 THE CHAIRMAN: It's back to the point, really, about the
18 working group. You can draw up the guidelines and then
19 you might want to have a checklist of what was learnt
20 from the inquests and what had gone wrong before, and if
21 you read your checklist across and you'll see how
22 complete or otherwise the guidelines are.
23 A. Yes.
24 THE CHAIRMAN: In a sense, that's what Dr Jordan was doing
25 here, isn't it?

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1 A. Yes, it is.
2 THE CHAIRMAN: She had the guidelines, she obviously had the
3 guidelines from 2002, she had reviewed the inquests and
4 she was cross-checking one against the other. As it
5 turns out, as you say -- and I think rightly -- the
6 guidelines have covered all the important points. But
7 that's the sort of thing that would be at least
8 a perfectly viable and reasonable route for the original
9 working group to have taken.
10 A. Yes. And I suppose the other possibility may have
11 been: put out the guidance, by all means audit, and we
12 had committed to doing that, but also to have a system
13 by which we knew of every case of hyponatraemia, every
14 laboratory case among a child where the sodium was less
15 than X, 130 or whatever, and then to say, "How did this
16 happen? Is it because of -- that the guidance wasn't
17 complied with or is it because the nature of the
18 guidance didn't address the particular issue?", and that
19 way we helped provide a safety net. But there are
20 different ways of doing things.
21 THE CHAIRMAN: Yes.
22 A. And certainly Angela Jordan's suggestions were all
23 relevant suggestions.
24 THE CHAIRMAN: Thank you.
25 MR STEWART: I have, sir, no further questions.

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1 Q. It was certainly after 2004?
2 A. Yes, and it would have been through the media and issues
3 pertaining to the inquiry rather than through any other
4 source.
5 Q. It's just the family are very concerned about the
6 proposition that you yourself, being so heavily involved
7 in the guidelines and then the, if you like, the review
8 of the guidelines, weren't aware of Claire's death until
9 much later than you should have been and, secondly that
10 it seems you find out about it in such an indirect way.
11 A. I can absolutely understand the position that the
12 families are coming from. I think there's nothing
13 more -- all of us know there's nothing more horrendous
14 than losing your child. I can give my absolute
15 categorical position that I did not know of Claire's
16 death, nor indeed Adam's, when the work was first set up
17 and I didn't know about Claire's until much later. It's
18 unfortunate that details were not known, but that is the
19 reality of my position.
20 THE CHAIRMAN: I think there's perhaps another limb to this
21 question because the inquiry was established in 2004,
22 that's after the UTV programme. It was the UTV
23 programme which prompted Mr and Mrs Roberts to contact
24 the Royal.
25 A. So I understand.

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1 THE CHAIRMAN: Okay. Give us a last moment, doctor. Are
2 there any questions? Mr McCrea?
3 Questions from MR McCREA
4 MR McCREA: On behalf of Claire Roberts' family, in your
5 statement you indicated at page 14, I think it is,
6 that --
7 THE CHAIRMAN: Sorry, is it the first? That must be the
8 second statement, then. It's the longer one. It's the
9 second statement, the longer one.
10 MR McCREA: The second statement, WS080/2, page 14,
11 question 31:
12 "By when did you first become aware of the death of
13 Claire Roberts?"
14 And your answer to that is:
15 "I became aware of the death of Claire Roberts when
16 her death was included in the remit of the hyponatraemia
17 inquiry."
18 What date is that according to your records?
19 Is that 2008?
20 A. I actually don't recall. I certainly was not aware of
21 Claire's death at all until there were articles in the
22 media about the inclusion of an additional case, and
23 that was, of course, Claire's case. So I don't know.
24 It was certainly after 2004. I don't recall the
25 specific date.

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1 THE CHAIRMAN: And that led to Claire's death being referred
2 to the coroner and the inquest was 2006; is that right?
3 MR McCREA: 2006.
4 THE CHAIRMAN: The inquest was in 2006. It's when the
5 inquiry resumes in spring 2008, after the police and the
6 DPP have decided not to take any action, that
7 I announced that I was going to include Claire and, on
8 a limited issue, Conor. So everyone will understand how
9 there was some press coverage of the additional cases
10 which I've included within the remit of the inquiry, but
11 I think part of what you're being asked about is not
12 just that you weren't aware of Claire's death when the
13 working party was active in 2002, 2003 and 2004, but
14 that you --
15 MR McCREA: And beyond, because it's recalled.
16 THE CHAIRMAN: -- still weren't aware of it when her inquest
17 was then carried out in 2006.
18 A. I wasn't aware of any detail around that and, by then,
19 my position in the department had moved. In fact, I was
20 no longer in the medical branch, so I wouldn't have been
21 as close if there had been internal discussion. But
22 I simply wasn't aware -- after her inquest, I do recall
23 something to the effect of "there may have been another
24 case that looks a little bit like some of the
25 hyponatraemia cases", but that would have been publicly

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1 available information in the media and not anything
2 else.

3 MR McCREA: The point is that Dr Carson, when he provided
4 a statement -- and that statement is WS270/1 -- was
5 asked when he first became aware of Claire's death.
6 It's at page 3, question number 7. His answer was:

7 "I'm unable to recall, but as far as I am aware it
8 was not before 2004/2005."

9 So therefore, Dr Carson is aware of Claire's death
10 and the circumstances surrounding that because there's
11 an e-mail trail between the coroner and Dr Carson and
12 reports are exchanged. But you have no knowledge?

13 A. I was not aware. Firstly, my remit within the medical
14 branch had moved on sometime around 2004/2005.

15 I became much more involved in the issues around
16 governance in the Western Trust and South West Hospital,
17 et cetera. Any issues to do with paediatrics were taken
18 over by my colleague, Dr Willis, at the time and then,
19 in April 2006, I moved out of the medical professional
20 side of the department to take up a policy position, so
21 I would have been quite removed from any discussions
22 and, as I said, I only learned about Claire's death
23 through publicly available information in the media.

24 Q. But you still have the involvement, no doubt, and
25 a professional interest in hyponatraemia?

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1 number to it. It's March 2007.

2 THE CHAIRMAN: Give us one moment, Mr McMillen. We can find
3 it and bring it up, I think. (Pause).

4 While we're waiting, because Dr McCarthy was within
5 a few moments of finishing her evidence, there is no
6 sitting tomorrow and we will resume on Monday. I think
7 we're trying to resume at 9.30 on Monday. It's
8 Professor Judith Hill and Mr Hunter. (Pause).

9 Is it the alert itself that you want?

10 MR McMILLEN: No, it's the background paper with the alert.
11 It's a couple of fairly net points. (Pause).

12 THE CHAIRMAN: I will rise for a moment while this is sorted
13 out, but we'll be able to resume in a few moments.

14 (1.06 pm)

(A short break)

16 (1.10 pm)

17 THE CHAIRMAN: We'll see if this works, Mr McMillen. If we
18 could bring up, please, witness statement 035/2 at
19 page 33. If this doesn't work, can we just do it from
20 your reference and we can --

21 MR McMILLEN: Of course, I will provide the document later
22 on to the secretariat.

23 THE CHAIRMAN: This is Dr Nesbitt's second statement in the
24 context of Raychel governance.

25 MR McMILLEN: Yes. Well, perhaps if I --

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1 A. No, no. A personal interest because I had invested much
2 energy and time into producing the guidance, something
3 that I felt quite proud of. But not any professional
4 and not any policy involvement and not any role in my
5 day-to-day work.

6 THE CHAIRMAN: I'm not sure we can take it any further,
7 Mr McCrea.

8 I'll come to you last, Mr McMillen, since the doctor
9 is your witness.

10 Are there any other questions from the floor before
11 I get --

12 Mr McMillen, do you have any questions for the
13 doctor?

Questions from Mr McMILLEN

15 MR McMILLEN: Yes. If I may just ask about the NPSA working
16 group. You state in your CV attached to your statement
17 that you're a member of the NPSA hypotonic fluids group
18 2005/2006. That particular group, that led to really
19 the production of Patient Safety Alert No. 22.

20 A. That's correct.

21 Q. As well as the safety alert itself, a background paper
22 was produced by the NPSA as well.

23 A. Yes.

24 Q. Mr Chairman, I'm not sure whether that paper could be
25 brought up. I'm afraid I do not have the reference

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1 THE CHAIRMAN: It's referring to the issue, but not to the
2 specific document, and it's the document you want to
3 take me to, is it?

4 MR McMILLEN: No, the document I'm referring to is the
5 National Patient Safety Agency. It's described as
6 background information and then the sub-heading is
7 "Patient Safety Alert No. 22: reducing the risk of
8 hyponatraemia when administering intravenous infusions
9 to children", and the date is March 2007. I will
10 provide that to the secretariat.

11 THE CHAIRMAN: Thank you.

12 MR McMILLEN: You were a member of the working group that
13 produced the safety Alert No. 22.

14 A. That's correct.

15 Q. Just helpfully, at least for me, the membership of that
16 group is listed in the document I've referred to.
17 Professor Terence Stevenson was the chair and he was the
18 professor of child health and consultant paediatrician
19 at Nottingham University Hospital NHS Trust. And also
20 on the committee was Dr Clodagh Loughery, and she was
21 there as the representative of the Royal College of
22 Pathologists. And Dr Jarlath McAloon was also there on
23 the committee, and we have Dr John Jenkins from Queen's
24 University who was on the group, and in particular
25 Dr Stephen Playfor from Manchester Children's Hospital.

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1 Dr Playfor had a particular expertise in this area;
2 is that correct?
3 A. Yes.
4 Q. He certainly had written a paper.
5 A. He had a particular interest in it.
6 Q. Yes. Just returning to the documents, what the document
7 says in the second paragraph, the last four lines is:
8 "Since 2000, there have been four deaths (and one
9 near miss) following neurological injury from
10 hospital-acquired hyponatraemia reported in the UK."
11 And what they do then is reference three papers: the
12 first one is Playfor, a 2000 paper; the second is
13 Jenkins J and Taylor B, "Prevention of hyponatraemia" in
14 2004; the third one is Cosgrove & Wardle. Were you
15 familiar with those papers?
16 A. I was, yes.
17 Q. Could I ask you in particular, when that particular
18 group was carrying out its discussions and when it was
19 considering the nature of the problem and the design of
20 the safety alert, or indeed the need for a safety alert,
21 did that group carry out any analysis into the
22 prevalence of hyponatraemia?
23 A. Not that I recall. That group was convened -- and
24 I think it's worth stressing -- that group was convened,
25 at least partly, if not entirely, at our instigation.

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1 work was done on past cases that I have any recollection
2 of.
3 Q. Yes. Well, it may be implicit in what you have just
4 said, but insofar as my learned friend Mr Stewart
5 suggested or asked why you did not stress test your
6 information or the Northern Ireland guidance against
7 known cases, was that exercise carried out by the NPSA
8 working group?
9 A. Not that I was aware of.
10 MR McMILLEN: Thank you.
11 THE CHAIRMAN: I just want to pick up on that, doctor,
12 because it strikes me, by the time your group was coming
13 to a conclusion, you were always aware of Raychel's
14 death --
15 A. Yes.
16 THE CHAIRMAN: -- which was post-operative.
17 A. Mm.
18 THE CHAIRMAN: Adam's death was intraoperative or
19 post-operative, depending on how I interpret the
20 evidence. But by 2007, when the National Patient Safety
21 Agency was working with the input of so many people from
22 Northern Ireland, you would have been aware by then of
23 Lucy's death.
24 A. That's correct.
25 THE CHAIRMAN: I think you say you weren't aware of Claire's

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1 I had written to the NPSA, to Miss McWilliams from
2 memory, in 2004 and then they had responded saying they
3 would look at hyponatraemia in their work plan.
4 Subsequently, their chief pharmacist, David Cousins,
5 I think, from memory, wrote to me and followed up with
6 a phone call to say that they wanted to look at the
7 matter and they were particularly interested in drawing
8 on the experience that we had had in Northern Ireland.
9 Hence what is quite clearly a disproportionate
10 membership from Northern Ireland, but they were keen to
11 build on that.
12 The early meetings, they did recognise not only the
13 number of cases where it was explicit and crystal clear
14 that the death had been related to hyponatraemia, but
15 there was discussion in the group with many members
16 acknowledging that they were aware of other cases that
17 had happened. There was no discussion in that group
18 that I can recollect to pursue or discuss those
19 individual cases. Rather, the discussion, almost like
20 our own working group, focused on: what do we do now?
21 It might be worth mentioning that while we were
22 recognised and applauded for what we had done, they did
23 say, "We think, as a group, we need to go one step
24 further and remove No. 18 from general use where that is
25 possible". Hence the work progressed, but no further

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1 death, but let's even take Lucy. Lucy didn't have any
2 operation at all.
3 A. That's correct.
4 THE CHAIRMAN: So her hyponatraemia and her SIADH would not
5 be post-operative or operative.
6 A. Yes.
7 THE CHAIRMAN: So that's an indication that hyponatraemia
8 can arise in more circumstances than operatively?
9 A. That's absolutely correct.
10 THE CHAIRMAN: Was even that general point discussed at the
11 NPSA or do you remember?
12 A. I don't have a clear recollection. I mean, my memory
13 is that, yes, we discussed the particular circumstances
14 for surgery and the other aspects, children with
15 vomiting and diarrhoea, children with bronchiolitis and
16 other things, and of course our guidance also reflected
17 that, that there were those undergoing surgery but there
18 were those with other conditions that put them at
19 a higher risk, so a similar position. By the time
20 we would have been on the NPSA group, this inquiry would
21 have been established --
22 THE CHAIRMAN: Yes.
23 A. -- and we would have known of the cases to be included
24 in this inquiry. And I do recall at the first meeting
25 advising the NPSA of that, therefore it may be that the

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1 four that they quote were the four that were in
2 Northern Ireland, but they would have just said "within
3 the UK".
4 THE CHAIRMAN: Okay.
5 MR McMILLEN: I think in fairness, doctor, to you and for
6 the sake of clarity, what it says is there have been
7 four deaths reported in the United Kingdom, then cites
8 the three papers. And it may be one would need to look
9 at the underlying papers, but it may be that those four
10 deaths are drawn from those papers.
11 A. Yes.
12 Q. It carries on then to make good that point about
13 context. It carries on:
14 "International literature cites more than 50 cases
15 of serious injuries ..."
16 And then cites a paper for that. Thank you very
17 much.
18 THE CHAIRMAN: Okay, thank you.
19 Doctor, that brings an end to your evidence, unless
20 there's anything else you want to add.
21 A. No.
22 THE CHAIRMAN: You don't have to, so thank you for your
23 time. Thank you for coming.
24 A. Thank you.
25 (The witness withdrew)

1 THE CHAIRMAN: Ladies and gentlemen, that brings us to an
2 end for today. We'll resume on Monday morning at 9.30.
3 Thank you very much.
4 (1.20 pm)
5 (The hearing adjourned until Monday 4 November at 9.30 am)
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