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2 (10.00 am)
3 (Delay in proceedings)
4 (10.09 am)
5 THE CHAIRMAN: Good morning. Ms Anyadike-Danes?
6 MS ANYADIKE-DANES: Good morning. Could I call
7 Dr Roderick MacFaul, please?
8 DR RODERICK MACFAUL (called)
9 Questions from MS ANYADIKE-DANES
10 MS ANYADIKE-DANES: Good morning.
11 A. Good morning.
12 Q. Dr MacFaul, do you have your CV there with you?
13 A. Yes.
14 Q. Thank you. Mr Chairman, I wasn't going to go through
15 Dr MacFaul's CV in any detail because we did that at
16 some length in an earlier hearing. In fact, the
17 reference for it is 13 November 2012, from pages 1 to 46
18 of the transcript. But there's a discrete issue
19 in relation to it which I will deal with. Other than
20 that, I wasn't going to go to it.
21 Dr MacFaul, you have produced two reports for the
22 inquiry in relation to this section of its work.
23 A. Yes.
24 Q. You have a main report, which is dated 25 April 2013,
25 and the reference for that is 250-003-001. You have

1 A. This table does duplicate the one in paragraph 115 to
2 some extent and I would prefer to rely more on the one
3 in paragraph 115.
4 Q. We can pull that up. That's at 250-003-036. That's
5 correct, is it, that's the one you would prefer to rely
6 on?
7 A. Yes.
8 Q. Thank you very much indeed.
9 If I can now just deal with that particular discrete
10 issue in relation to your curriculum vitae and that
11 relates to your experience as a medical director. It
12 has a particular bearing in the comments that you make
13 in relation to Dr Kelly and Dr Kelly -- as you know, as
14 part of the evidence that was submitted to the GMC,
15 there was a report put forward by Dr Michael Durkin and
16 you and Dr Durkin have differing views as to Dr Kelly's
17 conduct in the relation to the review that was carried
18 out at Enniskillen. The issue there is Dr Durkin was
19 a medical director, as indeed was Dr Kelly, and the
20 question that arises is what your experience is in that
21 field in order to enable you to comment on Dr Kelly's
22 conduct as a medical director. I think you have made
23 reference to it in your supplemental report.
24 A. Yes.
25 Q. When you were giving evidence about that, you did

1 a supplemental report, dated 24 June, and the reference
2 for that is 250-020-001. I understand that there is an
3 aspect of that report which you would want to defer to
4 other experts, is that correct, in relation to the
5 levels of serum sodium?
6 A. Yes.
7 Q. But before we go there, subject to that, do you adopt
8 what's in those reports as your evidence, save for
9 anything that you may say in your evidence today?
10 A. Save for one point in the main report. It's
11 a typographical error, which is possibly significant.
12 It relates to the calculation in a table on
13 paragraph 109 where the footnote says "63 ml per hour"
14 and it should be 67 ml per hour. That doesn't detract
15 from the conclusions.
16 Q. Let me pull it up so people can see where you mean. The
17 reference is 250-003-034. Yes, there's a table there,
18 and just immediately under it you have an asterisked
19 note saying:
20 "After the bolus had been given, this would have
21 been 63 ml an hour."
22 And that's the reference you wish to correct?
23 A. To 67, yes.
24 Q. And that is simply typographical, it doesn't affect the
25 calculations or the conclusions you have reached?

1 explain what the extent of your experience was, but
2 perhaps if we go directly to your supplemental report,
3 250-020-004. I think it starts at "While ..." -- it's
4 the "Comment". In relation to Dr Kelly, you refer to
5 the correspondence that has been received:
6 "It was requested that my attention be drawn to the
7 decision of the GMC in respect of Dr Kelly in
8 October 2012. That complaint is no longer outstanding
9 and that the GMC concluded that Dr Kelly did not fall
10 below the standard expected of a reasonably competent
11 medical director when the time of the incident is
12 considered.
13 "The GMC was informed by the opinion of an
14 experienced medical director from another trust on
15 behalf of Dr Kelly and it has been pointed out that
16 I have no experience of ever having held such
17 a position."
18 And the comment you make is immediately there. And
19 although we can see what you say there, I wonder if you
20 can explain the point you're making about your
21 experience and its relevance.
22 A. Well, in the role in the middle 80s when I was the
23 consultant member of the general management team, I was
24 working in the kind of post that a medical director
25 would have been working in in a medium-size general

1 hospital together with regional specialties of
2 neurosurgery and burns. So that was a time when there
3 were not medical directors in post. In the next phase,
4 when I was in management, I was working in the next
5 layer down and therefore had quite a lot of interaction
6 with the medical director and discussion and to and fro
7 with him directly and also with the chief executive of
8 the trust about professional matters and about
9 governance matters and management matters. So to an
10 extent, although I have not been a medical director,
11 I am aware to some extent -- but not completely,
12 of course, because I have not acted as one -- of the
13 kind of things that could be expected of a medical
14 director, and I would defer, not in total, because I do
15 still have some reservations --
16 Q. I wonder if I can pull up what you said -- when you
17 provided --
18 MR GREEN: The doctor said he would defer. I would be
19 grateful on behalf of Dr Kelly, sir, through you, if we
20 could obtain clarification as to what he would defer to.
21 THE CHAIRMAN: Let him finish the sentence before we go to
22 any other document. You had been saying:
23 "I would defer, not in total, because I do still
24 have some reservations --"
25 To whom or what do you defer, doctor?

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1 non-surgical clinical services, which was adult
2 medicine, neurology and adult care."
3 And then you were asked by the chairman about your
4 experience in paediatrics and you said:
5 "Yes, and it included paediatrics."
6 Then I asked you:
7 "Question: Can you recall the size of the hospital
8 at that time in terms of beds?
9 "Answer: The size of the hospital -- I think it was
10 probably about 500, I can't be precise, but it's that
11 sort of size.
12 "Question: And what area did it service in terms of
13 population; are you aware of that?
14 "Answer: While the hospital had a mix of some
15 regional services, it had spinal injuries, it had burns,
16 it had neurology, neuroradiology was still there, and
17 that was serving a population of perhaps three-quarters
18 of a million. So far as the burns were concerned, a
19 much larger population. For the general hospital
20 services, it was covering a population of about
21 a quarter of a million to 300,000. I say 'about'
22 because we provided services for South Leeds as well as
23 the Wakefield conurbation and it's very difficult to
24 identify exactly what the population you are serving is,
25 but it was in that order."

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1 A. To the more authoritative role, I suppose, of the
2 experience that Dr Durkin has had in acting as a medical
3 director.
4 MS ANYADIKE-DANES: You said "not in total" and we'll come
5 to that in a moment. What I was going to take you to --
6 because this issue arose in relation to the report that
7 you prepared for Claire's case. I was going to take you
8 to your transcript of what you said there. The
9 transcript is of 13 November 2012, if we can bring up
10 alongside each other pages 40 and 41.
11 While it's coming up, maybe I can read what you
12 said. It was questioning that was led by the chairman
13 on that occasion. What he was trying to identify is the
14 structure in which you worked in the hospital and what
15 your duties were. In particular, in relation to
16 divisional coordinator and the medical division, and you
17 held that post from 1993 to 1996, which was material for
18 Claire. Claire was admitted and died in 1996. The
19 answer you gave is:
20 "That involved providing the lead in the management
21 structure in our own hospital for all non-surgical
22 specialties which were clinical specialties, so we had
23 a surgical division coordinator and we had a medical
24 division coordinator and in that role I worked in
25 general management as the lead clinician for the

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1 For those who want to see that further, you then go
2 on and develop the role that you played there, but that
3 was indicating at that time to the chairman quite
4 a significant managerial role and responsibility over
5 a range of services, not just paediatrics.
6 A. Yes.
7 Q. When you were answering just then as to what you defer,
8 I think you qualified that with "but not in all things".
9 Are there specific elements that you would still retain
10 your view, notwithstanding the fact that you had not
11 actually had the position of a medical director? Maybe
12 you could help with us that.
13 A. Yes, there are a number. Not very large, but a number.
14 Q. What are the aspects which you consider, in relation to
15 the issues to do with Dr Kelly -- we'll come to them
16 more particularly, but just at the moment so we have an
17 indication of the sorts of things you feel are still
18 important and you still hold to.
19 A. In relation to the involvement in the review itself --
20 Q. Yes.
21 A. -- and then subsequently after the review. In the
22 management of the review itself I would take issue with
23 Dr Durkin, where he mentioned that he would not have
24 expected Dr Kelly to have interviewed the consultants
25 because he thought, Dr Durkin, that this was a form of

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1 micromanagement of a review. In that context, however,
2 I agree with Dr Durkin that Dr Kelly was the person as
3 the lead in the investigation, the clinical
4 investigation. He states that and I agree with him.

5 The other point was that in relation to the return
6 of the information to the review, I did not feel that
7 Dr Kelly had looked into the issues relating to fluid,
8 which had been obviously central to the review, and the
9 lack of referral to that in the written submissions from
10 the doctors, and so that was another aspect where I did
11 not feel that in the course of the review --

12 Q. That's helpful, we'll perhaps come and allow you to
13 develop that when we look at those particular points
14 later on.

15 If we may start first with the fluid management
16 at the Erne Hospital. This is another area which has
17 become the subject of more specialist guidance, if I can
18 put it in those terms. If we pull up your supplemental
19 report, 250-020-006. Maybe if we can pull up the
20 immediately preceding page and have that alongside.

21 So this relates to some queries that the Trust
22 submitted in relation to certain aspects of your
23 original report. If we take them in order, you see at
24 paragraph 541 it says:

25 "Dr Crean did not take account of the effect of

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1 serum sodium can be calculated. And they go through
2 a calculation and the upshot of the calculation is to
3 express the view that her serum sodium levels at the
4 point of collapse, 3 o'clock, was unlikely to be very
5 different from that at the time the bloods were actually
6 taken after the infusion of normal saline."

7 And this, of course, differs from your view because
8 your view is if that's the order of things, then her
9 serum sodium level was likely to be lower at the point
10 of collapse. You respond to that, you say:

11 "As a general paediatrician, I make no claim to any
12 expertise in how to quantify electrolyte changes
13 resulting from infusions of normal saline as calculated
14 on behalf of the Royal Trust. I would defer to clinical
15 chemistry or intensive care specialists in this respect
16 as it is beyond my expertise. Thus I can make no
17 comment on this calculation other than as follows. It
18 does appear the Trust acknowledged the possibility that
19 a volume of 250 to 500 ml of normal saline infused
20 rapidly could have led to a lower level of blood sodium
21 being reached in Lucy than the one mentioned in her
22 at the Erne but, from the calculation above, the Trust's
23 position is that this might have been a marginal
24 change."

25 And then you go on to explain why you mentioned it

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1 a rapid infusion of a large volume of normal saline on
2 the blood sodium, which might conceal a much lower level
3 at the time of Lucy's collapse and indicate that Lucy's
4 death was unexplained in April 2000. But the second
5 blood sample was obtained during the respiratory
6 resuscitation and the case notes do not identify the
7 sample time, nor who obtained it, or whether it was
8 taken before or following the start of the normal saline
9 infusion, but Dr O'Donohoe reported to the Trust review
10 that it was taken by him, and thus after the saline was
11 running, in his report to the review."

12 The point that the Trust makes is firstly:

13 "That irrespective of when the blood sample was
14 taken in relation to the infusion of saline, they take
15 issue with the suggestion that if that happened, if the
16 blood sample was taken after the saline, then it would
17 actually have revealed a much lower serum sodium level
18 for the point of crash."

19 That's the first point they take issue with you
20 about.

21 Then they say that:

22 "The exact volume of the normal saline infusion
23 received by Lucy prior to the blood sample is unclear,
24 although it is unlikely to be have been any more than
25 250 ml and the effect of 1,000 ml of infused fluid on

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1 in the first place, by saying:

2 "My intention --

3 THE CHAIRMAN: This is the report which everybody now has.
4 I don't think we need to read the whole report paragraph
5 after paragraph into the record. If we could condense
6 the point, please.

7 MS ANYADIKE-DANES: Notwithstanding that you claim no
8 expertise in a precise calculation of that sort, is the
9 point that you are making that the rate was nonetheless
10 excessive?

11 A. The rate of what, sorry?

12 Q. The rate of administration of fluids to Lucy was
13 nonetheless excessive.

14 A. It was excessive, yes.

15 Q. The use of Solution No. 18 for replacement fluid was
16 incorrect in your view?

17 A. Yes, in my view.

18 Q. The rate of administration of the normal saline was
19 excessive?

20 A. Yes.

21 Q. And that the fluid management or record keeping should
22 have been clearer, which could have made transparent the
23 order of things and the amount of fluid infused?

24 A. Yes.

25 Q. So irrespective of whether you have the expertise to

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1 challenge a calculation of that sort, you would
2 nonetheless hold to that view in relation to her fluid
3 management?
4 A. Yes. The level could have been lower. It was
5 a possibility and that needed to be taken account of.
6 MS ANYADIKE-DANES: Mr Chairman, this is an area that has
7 been referred to expertise. The inquiry has engaged
8 Dr Simon Haynes, who has been an expert before for the
9 Trust, a consultant paediatric anaesthetist, and there
10 is also a statement from Professor Young, who has also
11 calculated matters.
12 So as I understand your evidence, in terms of the
13 precise calculation of it, you would defer to those
14 experts?
15 A. Certainly so, yes.
16 Q. But that does not detract from, as your view, the
17 significance of the fact of those four matters that
18 I just put to you and you accepted?
19 A. Yes.
20 Q. Thank you. Just so that we're clear, that aspect of
21 the -- if I just give you this to start. The use of the
22 Solution No. 18 for replacement fluid being wrong, is it
23 your view that that was the position in 2000?
24 A. I tried to articulate that in my report. In some units
25 it was used in replacement in mild to moderate

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1 a high volume given over a short time and then
2 thereafter you give a rate which is appropriate to the
3 child. But that initial large volume should always be
4 saline plasma or some other form of colloid.
5 THE CHAIRMAN: That is what Dr Jarlath O'Donohoe said he
6 intended, though it wasn't recorded. He said he
7 intended the bolus would be normal saline which would be
8 followed by a lower dose of Solution No. 18.
9 A. Yes.
10 THE CHAIRMAN: So if that had in fact been given, you would
11 have been far less critical of that?
12 A. I would have been less critical of the pattern of its
13 use. The volume after the initial bolus intended by
14 Dr O'Donohoe is a bit small actually, as it happens.
15 MS ANYADIKE-DANES: In fact what he said he had intended she
16 be given was 100 ml as a bolus of normal saline,
17 thereafter 30 ml an hour Solution No. 18.
18 A. Yes.
19 Q. So if you're critical of what was actually administered,
20 had what he prescribed been administered, would you have
21 been critical of that also?
22 A. Not within the framework of the practice at the time,
23 except for the comment that I have just made that the
24 volume of the continuing infusion was on the low side,
25 but I think Dr O'Donohoe has explained that, that he

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1 dehydration.
2 Q. Yes.
3 A. And indeed, the guidance, Paediatric Medical Guidelines
4 from the Royal Hospital Trust at the time, which were
5 current, indicated that after a bolus of saline was
6 given in more severe dehydration, No. 18 Solution would
7 then be used.
8 Q. That's not the way in which it was used for Lucy.
9 A. No.
10 Q. In the criticism that you make of the way in which it
11 was used for Lucy, is that a criticism that you say is
12 made out by the practice in 2000?
13 A. Yes, because the fluid was used inappropriately, in the
14 volume used, according to the state of Lucy, as recorded
15 and according to guidance at the time.
16 Q. And can you help develop that? What do you mean by
17 that?
18 A. Well, all of the fluid given over the
19 four-and-a-half hours or so to Lucy was No. 18 Solution.
20 Q. Yes.
21 A. And the rate at which it was given was appropriate for
22 resuscitation volumes, really. She was given just over
23 10 ml per kilogram per hour for four-and-a-half hours.
24 So the profile of the use of the volume was wrong.
25 It is possible to give a bolus initially, so you have

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1 thought that she would be taking oral fluids.
2 Q. But absent oral fluids, would 30 ml an hour be something
3 that you would have been critical of?
4 A. In the circumstances, yes, because it wasn't quite
5 sufficient for her replacement.
6 Q. Thank you. So then if we pass on to the other element
7 of her fluid regime that you're critical of, which is
8 the rate of administration of the normal saline. You
9 say that was excessive. First of all, do you say that
10 was excessive for the practice at the time?
11 A. Yes.
12 Q. And why do you say it was excessive?
13 A. She was given at least 250 ml, and as we all know, it
14 could have been up to 500 ml because we have
15 Dr O'Donohoe's account that the infusion was almost
16 through by the time he attended.
17 Q. Let's start first with the 250 ml.
18 A. 250 ml would be more than 20 ml per kilogram and if you
19 gave 20 ml per kilogram, it would be in a state
20 attempting to treat circulatory shock, circulatory
21 insufficiency. And there wasn't any indication when
22 Lucy collapsed from the clinical notes that she was
23 in that state. She was therefore given quite a rapid
24 infusion of more saline than was indicated on top of the
25 previous overload with No. 18 Solution.

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1 Q. We'll deal with that first before we pass on to the
2 500 ml. If she was given, in your view, more than
3 should have been administered to her in terms of normal
4 saline on top of more than should have been administered
5 to her in relation to Solution No. 18, do you think that
6 excess amount of normal saline had any bearing at all on
7 her condition?
8 A. It is conceivable -- and by that I mean conjectural --
9 that it had an adverse effect on her. I was thinking of
10 the notion that perhaps she had a seizure, generated by
11 the rapid fall in the blood sodium and the water
12 overload and that that might have been -- and this is
13 purely conjecture -- it might have been recoverable.
14 But then if we add in another large slug of fluid of
15 a significant volume in an already overloaded situation,
16 say with a bit of brain oedema present, then that could
17 have had an adverse effect and tiptoe into a respiratory
18 arrest, possibly, depending upon the time of it. And
19 that is supported by Dr Halberthal in his paper.
20 Q. You mean the 2001 paper?
21 A. Yes, where he describes that if you have brain oedema in
22 a baby, where the volume of the intracranial content is
23 fairly tight, and you then add in a large volume of
24 isotonic fluid -- and saline is isotonic -- that that
25 could trigger a worsening of the cerebral oedema and

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1 in relation to Claire's care. Here it arises
2 differently because I think you've acknowledged that in
3 a paediatric intensive care setting, you do quite often
4 have joint responsibility for the child's medical care.
5 You say that -- the reference in your report is
6 250-003-019:
7 "Having reviewed the papers and the statements in
8 Lucy's case, that in life [your] view was doctors
9 Hanrahan, Crean and Chisakuta were jointly responsible
10 for Lucy's care."
11 So that is the paediatric neurologist, Dr Hanrahan,
12 and the two paediatric anaesthetists, Dr Chisakuta and
13 Dr Crean. Why do you say that or at least why do you
14 think they were jointly responsible for her care?
15 A. Well, Lucy was admitted to paediatric intensive care
16 from outside the Trust. When a child is admitted to
17 a Children's Hospital, they always come in under a named
18 consultant.
19 Q. In this case it was Dr Crean.
20 A. Well, I was just saying on to the general wards.
21 Q. Ah.
22 A. So I'm taking it out of -- just to put it into context.
23 If they come into the general wards or some specialty
24 ward, not the intensive care unit, they're admitted
25 under a consultant. That's clear-cut. And that is true

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1 perhaps trigger the coning. But this is conjectural,
2 really.
3 Q. Thank you. If that's your thoughts about 250, what is
4 your view of 500 ml?
5 A. Well, 500 ml would be a grossly excessive amount.
6 Generally speaking, if you need to give more than 20 ml
7 per kilogram as part of a resuscitation, and you then
8 step up to, say, 40, which would be 360 ml, at that time
9 the guidance -- and indeed practice -- would be to
10 consider intubating and ventilating because you had such
11 a sick and collapsed child. Beyond that, in another
12 clinical situation of course, where there is vascular
13 leakage and meningococcal disease, when you start giving
14 that kind of volume you can trigger and produce cerebral
15 oedema, and I've seen it happen in a child we've had to
16 do that to who was conscious and talking, but because we
17 had to give him so much fluid to keep his blood pressure
18 up, we knew we would trigger brain oedema. His level of
19 consciousness went down, but that was anticipated by
20 intubating and ventilating.
21 Q. Thank you. I want now to move to some of the issues
22 that arise in relation to what happened when she reached
23 the Children's Hospital. There is an issue to do with
24 who was the consultant responsible, and you've addressed
25 that point and you addressed a rather similar issue

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1 in a district hospital. When they're admitted then from
2 the Children's Hospital, having already been admitted
3 under a consultant, and they need to go to intensive
4 care, then there is a consultant in charge, if you like,
5 and that consultant is joined by the paediatric
6 intensive care team. So the consultant who had already
7 been identified in the Children's Hospital remains
8 linked in, surgeon or physician. But the situation is
9 different when a child is admitted directly into
10 a regional intensive care unit because they are admitted
11 into the intensive care unit without a named, identified
12 consultant within the trust, within that hospital. They
13 come in under the paediatric intensive care team.
14 Dr Crean's name was on the label, but I think that he
15 has explained why that is.
16 Q. Mm-hm.
17 A. There is a need then for support of the child's life and
18 then there is a need to undertake diagnoses and
19 management of the condition which has led to that
20 life-threatening illness. And that could be cardiac, it
21 could be renal, it could be neurological. In Lucy's
22 case it was neurological and, quite properly, the
23 intensive care team adds on that specialty. And then
24 it's jointly managed, the problem is jointly managed
25 with the intensivists keeping the child stable and the

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1 specialty consultant investigating and managing the
2 underlying cause. In Lucy's case, that was what
3 happened because she had a neurological illness.
4 Q. Yes. When Dr Hanrahan was asked in evidence about
5 that -- in fact, prior to that, he had already in his
6 witness statement said that he was unsure who was in
7 charge of Lucy's care when she was a patient in PICU.
8 We don't need to pull it up, but the reference is his
9 witness statement 289/2, page 2. Then he says he didn't
10 recall formally assuming responsibility. He goes on to
11 say that he thought that he was providing advice and not
12 actually formally being asked to take over
13 responsibility.

14 However, when he continued in his actual oral
15 evidence, he accepted that there was a degree of
16 vagueness over consultant overall responsibility in PICU
17 and said that things had tightened up now. The
18 reference in the transcript is 5 June 2013, page 16.

19 If I just go to that point that he's making, would
20 you have accepted that in 2000 there was some
21 uncertainty about exactly who was the consultant who had
22 the main responsibility for a child's care?
23 A. I believe that the care was joint while she was alive.
24 I think that the situation can be vague when, for
25 example, a child comes in with a neurological illness

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1 A. That is as you describe it, sir. The problem is in
2 intensive care units exactly that, that the continuity
3 can be provided by the lead -- say, in Lucy's case, the
4 neurologist or in another case by the ... The
5 continuity is provided by the paediatrician, if you
6 like, in this situation, or by a surgeon if it's
7 a surgical case, and what you describe is exactly the
8 problem in relation to paediatric intensive care in
9 2000, which has been resolved more lately by having
10 full-time paediatric intensive care intensivists in the
11 paediatric intensive care, or at least one, depending on
12 the size of the unit, who does not have any duties or
13 very little duty outside the unit.

14 Most paediatric intensive care consultants in 2000
15 were anaesthetists and therefore they would do surgical
16 lists, but as the specialty has expanded, we now have
17 another type of consultant intensivist who is
18 a paediatrician by training, who does not do anaesthetic
19 lists, but spends all of his or her time in the
20 intensive care unit. Then it becomes more clear who has
21 the continuity on the intensive care side.

22 MS ANYADIKE-DANES: In the circumstance that you were just
23 accepting from the chairman as something that did
24 pertain in 2000, so far as you're aware, did that create
25 continuity problems in having somebody who had the

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1 and also has a heart illness, or then has a renal
2 illness, and you have therefore a cardiologist,
3 a neurologist and a nephrologist.

4 Q. If it is or was vague at the time, would you agree with
5 Dr Hanrahan that the position has tightened up or is
6 tighter now than it was then, so that kind of vagueness
7 or uncertainty is less likely to occur now? Would you
8 accept that?

9 A. I think that's probably true. I wouldn't wish to
10 comment on anything beyond 2006 because I have been
11 retired. But I think that generally speaking there was
12 an improvement in all aspects of governance over that
13 time. Nevertheless, by custom and practice, what I have
14 described was the case in 2000, and indeed earlier
15 in the late 90s.

16 Q. In terms of --

17 THE CHAIRMAN: Sorry. Just before we leave that, when you
18 say it's joint care between Dr Hanrahan, Dr Crean and
19 Dr Chisakuta, between Dr Crean and Dr Chisakuta is their
20 responsibility for the time they're on duty?

21 A. Yes.

22 THE CHAIRMAN: When Dr Crean leaves and Dr Chisakuta comes
23 on, then Dr Crean no longer has joint care, that passes
24 say to Dr Chisakuta, and when Dr Chisakuta goes off
25 duty, his successor --

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1 overall management and direction of care as opposed to
2 what might be described as the baton changing every day?
3 A. It can cause difficulties, but it is a way that -- it
4 tends to be resolved by good handover and by good note
5 keeping.

6 THE CHAIRMAN: But we shouldn't exaggerate how much of
7 an issue it is because most of the time the system works
8 pretty well?

9 A. Yes, absolutely.

10 THE CHAIRMAN: And the evidence about it not working well,
11 say, between Dr Crean and Dr Chisakuta is questionable?

12 A. I have not seen any such.

13 THE CHAIRMAN: Yes.

14 MS ANYADIKE-DANES: But in your view, whatever it is, good
15 handover and good note keeping provide the link between
16 the care provided from one clinician on one day to
17 another clinician on the next day?

18 A. Yes.

19 Q. And that most times that was perfectly adequate?

20 A. Yes.

21 Q. Thank you. Then can I ask you about the position
22 post-death? So once Lucy has had two brainstem death
23 tests that have both proved negative, there's going to
24 be a withdrawal of life support, and then there are
25 matters that have to be addressed in relation to that;

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1 who do you say has the responsibility for that period?
2 A. Well, I think at the time of death, there is almost a
3 sort of handover from the paediatric intensive care team
4 to the clinician and the clinician obviously then picks
5 up, or has done in Lucy's case, as Dr Hanrahan did, the
6 issues relating to consider what the cause of death was,
7 the referral to the coroner, the death certificate, the
8 interview with parents and so on.

9 The responsibility for writing a discharge letter is
10 one of the thorny questions here. In recent years,
11 in the early 2000s, with increasing numbers of trainees
12 in paediatric intensive care being specifically in the
13 unit, then they might, as a registrar, write the
14 discharge letter or be tasked with it, and I note that
15 in Belfast the paediatric junior staff staffed the
16 intensive care unit rather than anaesthetic.

17 So who was responsible for the discharge letter?
18 But the paediatrician caring for Lucy was Dr Hanrahan
19 and his team, and I'm fairly clear that the
20 responsibility for the discharge letter as well fell to
21 Dr Hanrahan and his team.

22 Q. In order to write that discharge letter, are you of the
23 view that it would have been prudent for Dr Hanrahan to
24 have discussed what happened with the other clinicians
25 who had been responsible for her care while she was in

25

1 a question had been raised. And then we had
2 a diagnostic problem at the point of death: what had
3 been the cause of the cerebral oedema? A detailed
4 scrutiny of her notes, the notes that had been faxed,
5 did contain sufficient information for a clinician
6 reviewing those notes to determine that she had been
7 given an excessive fluid volume and that she had been
8 given an excessive volume of hypotonic fluid and that
9 she had a blood sodium which had fallen rapidly, which
10 is a measure of fluid overload.

11 So we have a little girl who has a fluid overload
12 and she has a cerebral oedema, and therefore it's
13 difficult to see how those two could not be linked.

14 Q. Yes.

15 THE CHAIRMAN: When you say that Dr Crean had raised the
16 issue about fluids, but that didn't affect how he
17 managed Lucy, to put it bluntly is that because there
18 was nothing that could be done with Lucy by the time she
19 reached Belfast?

20 A. Yes, I think in my view -- and I think I have said it in
21 my report -- the responsibility of the intensive care
22 team was to support Lucy while diagnostic tests were
23 being done to try and find the cause.

24 THE CHAIRMAN: What Dr Crean or the other anaesthetists did
25 for Lucy, they didn't need to explore what had happened

27

1 PICU?

2 A. Yes, I think at the point of death or just around that
3 time it would be obviously important for the
4 consideration of the intensivists to be joined with that
5 of Dr Hanrahan in considering what had been the cause of
6 the cerebral oedema and also in how to complete the
7 report to the coroner, what aspects would be conveyed,
8 how did they formulate the method of death. If they had
9 no explanation for it then -- they knew there was
10 cerebral oedema but they didn't know the cause of the
11 cerebral oedema.

12 Q. Well, I know that you have looked at the transcripts.
13 Then you will appreciate that there are differing views
14 as to the significance of her fluid management regime
15 at the Erne for her condition. It may have been that
16 had there been a discussion between Dr Hanrahan and the
17 anaesthetists, that that would have become more evident
18 if it wasn't already clear to him and that they would
19 have had to resolve that amongst themselves to determine
20 how to go forward and what to tell the coroner.

21 A. Yes. I think that is so. A review of -- as I've said
22 in my report, Dr Crean had raised a question about the
23 fluids in the Erne Hospital, but it wouldn't, in my
24 view -- and he would be able to answer better -- affect
25 how he was managing Lucy in the unit thereafter. But

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1 in the Erne, but at the point of death from then on, in
2 formulating a death certificate and speaking to the
3 parents and deciding what to report to the coroner, they
4 need to put their brains together and identify what has
5 brought this situation about?

6 A. That's my opinion. Of course, I think that Dr Hanrahan
7 was the neurologist, she had a neurological illness, and
8 one might argue that perhaps it was more his
9 responsibility. But you know, it's a matter of balance
10 and practice.

11 MS ANYADIKE-DANES: Dr Hanrahan's view is that he wasn't
12 terribly experienced in relation to the fluid management
13 aspect of it. In fact, when he was giving evidence, he
14 accepted that the anaesthetists were more experienced
15 in relation to fluids. So that might have made Lucy's
16 condition precisely one where the neurologists and
17 anaesthetists ought to have been discussing because she
18 had two aspects of that in her condition and they could
19 have combined their expertise and knowledge?

20 A. Yes, I agree with that.

21 Q. Before we go on to how the reporting to the coroner was
22 handled and might have been better handled, if that's
23 your view, if we just go back to the element of
24 Dr Hanrahan's position -- his evidence was he did not
25 regard the sodium level of 127 to be causative of

28

1 cerebral oedema. When he was giving his evidence, and
2 he was pressed a little on it, about, "Well, what about
3 the rate of fall, what about the extent of the fall?",
4 the upshot of that was he did not regard a rate of fall
5 of 137 to 127 as being particularly significant in terms
6 of a contribution to the cause of her cerebral oedema.

7 There were two principal reasons for that: firstly,
8 127 wasn't low enough. In fact, actually, that was the
9 main reason, that 127 wasn't a steep enough fall;
10 it would have to have gone below 127. And his general
11 view was: unless it fell below that, then there wasn't
12 anything that caused him to want to investigate her
13 fluid regime. He was perfectly prepared to accept that
14 her fluid regime may not have been optimal, but whatever
15 it was, if it did not have the effect of reducing her
16 serum sodium levels to much lower than 127, then in his
17 view it wasn't causative of the fatal cerebral oedema.

18 You, of course, have said that you thought it was
19 causative, that sort of fall. I don't want to take you
20 into the territory where you say you would defer to
21 either Dr Haynes or Professor Young, but are you able,
22 as a paediatric clinician, to express a view as to that
23 fall to 127 as it would have appeared to you if you had
24 seen it?

25 A. I think what was striking about that fall was the rate

29

1 injury. As far as we could tell, there was no
2 intracranial bleeding on the CT, and she had no cerebral
3 oedema on admission, and she started vomiting, which
4 children do when they get so-called concussion. She was
5 put on to maintenance fluid, No. 18 Solution, and her
6 blood sodium fell to that sort of order, and she
7 developed brain swelling and a coma. It was that which
8 triggered us to look at the literature, but this is late
9 2001 and led to us changing our practice in our hospital
10 in -- well, we changed it in paediatrics in late 2001;
11 it took us six months to get the surgeons and
12 anaesthetists to change.

13 So I have seen a case where that has happened, but
14 there was a pre-existing brain illness or, if you like,
15 brain disorder. So the call, in an otherwise healthy
16 child, I think is a question mark and, as far as I can
17 see, Professor Kirkham has raised questions about this.
18 In the first Arieff paper, and I think it was 1992 --

19 Q. Yes, 1992.

20 A. -- I think I've quoted it to say -- and I hope the
21 quotation is correct -- that in some children it wasn't
22 the absolute figure of the sodium or even the rate of
23 fall, but he still observed the phenomenon. But that is
24 just one observation.

25 Q. It's that sort of experience that would have led you to

31

1 of fall. Because as a minimum that indicated a water
2 overload. The question about, "Does a level of 127
3 actually cause cerebral oedema?", I think I have worded
4 it in my report "cause or contribute to".

5 Q. Yes.

6 A. I have been cautious about that because I do recognise
7 the position that Dr Hanrahan has adopted, "How could
8 127 in itself cause cerebral oedema?" In other words,
9 we see a very large number of children with a blood
10 sodium of 127 or lower where there is no cerebral oedema
11 or any other adverse consequence. Rather like Dr Quinn,
12 who expressed surprise, it's the rate of fall, I think,
13 that is probably more significant, and that is why
14 I expressed surprise that a paediatric neurologist would
15 not be aware that a fall of that scale could contribute
16 to cerebral oedema, for example had there been
17 a pre-existing brain disease, because that is part of
18 paediatric neurological practice. So that would be one
19 point. The second point is we --

20 Q. Just before you go on to the second point, have you
21 yourself had experience of a fall of that rate and
22 magnitude being problematic or causative or contributing
23 to cerebral oedema in any way? I'm looking to where you
24 get your impression about that.

25 A. We had a child who had a head injury, a minor head

30

1 question a fall like that. You were going to go on to
2 make a second point.

3 A. The second point was in relation to paediatric practice
4 in general paediatrics where, when you have
5 hypernatraemic dehydration, that is a child who's
6 developed a high concentration of sodium in the blood,
7 we all know that you have to be very careful in giving
8 fluids to avoid a rapid fall in blood sodium because we
9 know that if there is a rapid fall in blood sodium you
10 can trigger cerebral oedema.

11 Q. Thank you. Then is it --

12 A. Sorry, just before I finish, that would be, say, from
13 a figure of 160 to 149. So you can get cerebral oedema
14 at 149 or 145 because of the rapidity of fall.

15 Q. Yes. Is it your view that when, after Lucy had died,
16 and they were formulating their thoughts, they should
17 have been going through her notes very carefully, and
18 had they done that they would have seen the sequence of
19 matters, namely that she'd had her blood serum test of
20 127 in relation to bloods taken after she'd received the
21 administration of that normal saline; is that your
22 point?

23 A. Well, she could have had a lower level. I mean it is
24 speculative, but it could have been concealed by the
25 normal saline that had been given.

32

1 Q. But that's your point, that that sequence should have
2 become obvious and then somebody would have had to start
3 to think about whether that was significant or not?
4 A. My opinion is that it wouldn't have become obvious from
5 the case records. I know that there's been something
6 made of the nursing record, about that, but I would not
7 myself have concluded or deduced the sequence from the
8 nursing record. I know others have, but I don't think
9 it's clear.
10 THE CHAIRMAN: When you say "the sequence", the sequence of
11 when the second reading was taken as opposed to when the
12 normal saline was given?
13 A. Yes, the linkage that there was saline given first and
14 the blood test afterwards.
15 THE CHAIRMAN: Your view then ties in with the evidence that
16 Dr Sumner gave to the coroner when he said -- he was
17 saying that the drop from 137 to 127 is the problem here
18 and then he adds, almost in brackets, but it could have
19 been even lower depending on when that test was taken,
20 and you agree with that?
21 A. I do agree with that, yes.
22 THE CHAIRMAN: The order in which you would expect things to
23 have been done would have been the second blood test was
24 taken and then the normal saline would have been
25 started, and then the results would have come back from

33

1 that would have been a reasonable position for those
2 clinicians to have reached?
3 A. Yes, I think there was evidence from the fluid regime
4 that more fluid was given than was indicated, quite
5 a lot more, and that the low sodium was at least
6 a measure of water overload, whatever else.
7 Q. And if you'd reached that situation and, as the chairman
8 had put to you, maybe it was lower, but certainly I'm
9 troubled by a 137 to 127, does that put any onus, so far
10 as you're concerned, on the Children's Hospital
11 clinicians to get in touch with those at the Erne to try
12 and find out exactly what the regime was and to get
13 a better picture of what happened?
14 A. It would have been a good thing to do. Dr Crean had
15 made an attempt, but obviously that was just on the
16 immediate admission. It would have been helpful. The
17 records that they had, however, did show that a large
18 volume of hypotonic fluid had been given and it showed,
19 as far as they could tell, that up to 500 ml of saline
20 had been given over one hour.
21 Q. Yes.
22 THE CHAIRMAN: Isn't the single big factor, doctor -- and
23 please correct me if this is wrong -- that when Lucy
24 died it wasn't at all clear why she died and, if it's
25 not clear why she died, you have to investigate what

35

1 the second test; is that right?
2 A. Something like that. In the way that the nurses have
3 written it, it could have been taken at the time before
4 the collapse. It's not clear, it's just stated that
5 bloods were ordered.
6 THE CHAIRMAN: So in the same way as we don't take the
7 nursing records and the medical records as being perfect
8 in every case, we don't necessarily construe that
9 nursing record to be a perfect description of the order
10 in which events happened?
11 A. Yes, and that was important for the Royal Hospital
12 because they had no idea from the records.
13 MS ANYADIKE-DANES: Yes. And then if you were in that
14 situation, so you're now looking at the records and
15 you've reached the stage where you're troubled about the
16 fluid regime in the sense of the type of fluid she
17 received and the amount or rather the rate at which she
18 received it, you are troubled about the rate of the fall
19 of her serum sodium levels --
20 A. Yes.
21 Q. -- and let's say that you have reached the stage that
22 Dr Sumner reached, which is that you're not entirely
23 sure where that blood test relates in terms of the
24 administration of sodium. So it could have been low,
25 you're just not entirely sure about that. Would you say

34

1 happened --
2 A. Yes.
3 THE CHAIRMAN: -- and the investigations within the Royal
4 and within the Erne were inadequate?
5 A. Well, opportunities were lost in the Royal Hospital to
6 review and consider more carefully what had caused the
7 cerebral oedema, and those opportunities were at the
8 time of the preparation of the clinical summary when
9 talking to the coroner's office, at the time preparing
10 the autopsy request form, and at the time of preparation
11 for the audit meeting when the mortality section would
12 be prepared. Those were the opportunities for the case
13 records to have been reviewed in detail.
14 I was asked just then if it would have been practice
15 to have rung the Erne. Well, it could have been done,
16 couldn't have been done. It would be within the way
17 things were done not to have contacted the Erne, but
18 ideally of course it would have been sensible to have
19 clarified.
20 MS ANYADIKE-DANES: Can I put it to you in this way,
21 Dr MacFaul: when the clinicians in the Erne were being
22 asked about transferring Lucy to the
23 Children's Hospital, what they had is a baby, a
24 17-month-old baby who had collapsed, they weren't
25 entirely sure why she had. Whatever it is, she was

36

1 going to need support, support that they could not
2 provide at the Erne. So she was going off to the
3 Children's Hospital for that. She was also going to
4 have to have further investigations because although,
5 I think, they thought that her situation was
6 irrecoverable, nonetheless there would have to be some
7 investigation as to how and why that had happened and
8 the place to do that was in the specialist centre, the
9 Children's Hospital. They did not have the equipment
10 and they did not have the specialist expertise that was
11 in the Children's Hospital. So that's the scenario.

12 As the chairman has put to you, essentially when
13 Lucy gets there, there is not much, probably nothing,
14 that could be done to retrieve her. What can be done,
15 though, is to find out what had happened, both for
16 learning and for providing that to her parents. So if
17 that's the primary task of the Children's Hospital,
18 stabilise her so that she can undergo the brainstem
19 death tests and then we can carry out some proper
20 investigation as to what happened, if that's the primary
21 task of the Children's Hospital, why is it not just
22 a matter, whether it's protocol or practice, why doesn't
23 it make sense to contact the referring hospital and talk
24 to those clinicians? They're the people who know what
25 they were doing and how she presented and exactly what

37

1 at that stage don't they have a more detailed
2 discussion, in your view, with Dr O'Donohoe to see if
3 there's anything that he can provide to them to assist
4 in that process?

5 A. Well, I think it's a reasonable suggestion.

6 Q. That they should have done that?

7 A. I wouldn't say they should have done. I would say that
8 they might have done.

9 Q. Yes, they might have done. Then if we go to the issue
10 of the reporting to the coroner. What in your view had
11 to be done in order for an appropriate report to be made
12 to the coroner?

13 A. I think a review of what might have caused the cerebral
14 oedema. They knew -- Dr Hanrahan and the intensive care
15 team knew that Lucy had cerebral oedema. They knew that
16 she had almost certainly died as a consequence of that,
17 but they did not know the cause of the cerebral oedema,
18 and I think they should have considered -- well, they
19 did have the information about the fluids, and I believe
20 a summary of the fluids pre-admission to intensive care
21 should have been made and a discussion held between
22 Dr Hanrahan and the intensivists if he needed help on
23 the fluid interpretation. It would have become evident
24 that -- and it was evident from the records -- that
25 these volumes were excessive.

39

1 happened.

2 A. Well, that was attempted by the review at the
3 Erne Hospital and --

4 Q. No, no, I'm talking about the Children's Hospital. Why
5 does it not make sense for the Children's Hospital to do
6 that?

7 A. Well, they would have contacted Dr O'Donohoe, I suppose.

8 Q. Yes. And for that matter they could have contacted
9 Dr Auterson. Dr Auterson himself contacted the
10 Children's Hospital to phone through, apparently, the
11 127 serum sodium result. So he's already made contact.

12 A. I don't think it would be usual practice for you to
13 contact the anaesthetist who has supported you. The
14 prime contact would be Dr O'Donohoe.

15 Q. Yes. So it would have made sense to contact
16 Dr O'Donohoe?

17 A. Well, they did. Dr Crean spoke to him on the telephone
18 and was given information by Dr O'Donohoe.

19 Q. I meant at the time when they're trying to work out,
20 "Firstly, what do we think happened, how are we
21 formulating a cause of death? We're going to refer this
22 matter to the coroner", because that's already in her
23 notes and it's there in her notes before they conclude
24 the brainstem death tests. So they know what they're
25 going to have to do and they are discussing that. Why

38

1 Q. So what is it that you think should have been reported
2 to the coroner?

3 A. Well, I think the child had got cerebral oedema and that
4 we had no other explanation for this, but it does appear
5 that an excessive amount of fluid has been given.

6 Q. And so in your view, part of the explanation to the
7 coroner for the concern is a linking of the cerebral
8 oedema with excessive fluid?

9 A. Yes.

10 Q. Dr Michael Curtis was asked about the cerebral oedema.
11 You may know he is in the State Pathologist's office as
12 a pathologist and he's the person with whom contact was
13 made when the report was made to the coroner's office.

14 A. Yes.

15 Q. Perhaps we can pull this up. It's the transcript of
16 25 June, page 9, and if you could pull up alongside it
17 page 10. Essentially, Dr Curtis was being asked about
18 a response he might have had -- and of course all of
19 this is covered by the fact that Dr Curtis doesn't
20 remember having a conversation, and for that matter
21 nobody really remembers the conversation. What we have
22 is a record that Mrs Dennison, who took the initial
23 call, put into the main register of deaths. And she has
24 "Gastroenteritis, dehydration, brain swelling". It's
25 assumed that Dr Curtis would have been told at least

40

1 that, although it's not known, and it was asked on that
2 basis that if he had been told that would he have seen
3 that as illogical and been asking himself if there is
4 something that ought to be inserted between the
5 dehydration and the cerebral oedema.

6 A. Yes.

7 Q. And the answer that he gave, you can see here, it really
8 starts at line 12:

9 "Question: Would you have been surprised to hear
10 that a person had both dehydration and cerebral oedema?

11 "Answer: No."

12 When he's asked about that he says:

13 "Answer: Because cerebral oedema can occur due to
14 a variety of mechanisms."

15 And he goes on to talk about:

16 "... the lack of oxygen getting to the brain can
17 cause brain swelling and if there is severe dehydration,
18 that affects or can affect the amount of circulating
19 blood volume and the effect of that and that insult can
20 cause the brain to swell, produce the cerebral oedema."

21 And then he talks about the dehydration:

22 "In dehydration the blood can sludge and clot, and
23 that also can bring about a cerebral oedema."

24 So what he was really saying is: you wouldn't
25 necessarily -- or he wouldn't necessarily -- think that

41

1 hyponatraemia in between the dehydration and the
2 cerebral oedema. If those other two mechanisms for
3 getting to cerebral oedema had occurred you would
4 similarly have been inserting them in between the
5 dehydration and cerebral oedema?

6 A. Yes, something to that effect, cerebral vein thrombosis,
7 which I suspect, but I would defer to a radiologist,
8 would have been evident on imaging. It certainly would
9 be evident on MRI -- I'm not sure about CT, but
10 I suspect so. And there was no documented episode of
11 hypoxic ischaemic injury in Lucy.

12 Q. So then, on any basis, does that mean that there should
13 have been something between the dehydration and the
14 cerebral oedema, and to fail to do that was to fail to
15 give a full account of what had happened and the
16 mechanism of death?

17 A. That is my opinion, yes.

18 Q. Thank you. Then if I just ask you this from your
19 experience: Dr Hanrahan felt that he had not really had
20 any guidance on the whole issue of reporting to
21 a coroner; this was the first one that he'd ever made.

22 A. Yes.

23 Q. Are you surprised that he didn't know about the
24 requirements in reporting or notifying a death to the
25 coroner?

43

1 there was anything illogical in seeing that combination
2 of dehydration and cerebral oedema, and it wouldn't
3 necessarily have caused him to wonder what the child's
4 fluid regime might be. But you have very clearly put
5 a fluid management issue with the cerebral oedema.
6 Can you express a view on what Dr Curtis says?

7 A. Yes. My opinion has been, and I've stated it, that I do
8 not consider that dehydration can cause cerebral oedema.

9 If you look at what Dr Curtis is saying, he's saying
10 that hypoxic ischaemic brain injury can cause cerebral
11 oedema. I agree with that. He's also saying that
12 cerebral vein thrombosis can cause cerebral oedema, and
13 I agree with that. Both of those are seen in children
14 in the tropics, for example.

15 Q. Does that mean if you were writing --

16 A. That's untreated -- it's unsatisfactorily treated
17 dehydration.

18 Q. That's an unsatisfactory treated dehydration --

19 A. Yes.

20 Q. -- would lead to those conditions which, in and of
21 themselves, can bring about cerebral oedema?

22 A. Yes.

23 Q. And if that had happened, in the same way as the
24 chairman has heard, if you were wanting to write

25 a proper sequence for Lucy, you would have to put in the

42

1 A. I'm not surprised. I think it's not something which is
2 done very frequently. There is guidance on the death
3 certificate for what you should do and so on, and there
4 is guidance just generally around. There's
5 a consciousness that if a death is sudden, unexpected,
6 without explanation, that that should be referred to the
7 coroner. There's a consciousness, obviously, that
8 a patient who's died on the table in surgery or within
9 a day of surgery should probably be referred to the
10 coroner. Where there has been injury, we all know that
11 we should refer to the coroner.

12 In unexpected death, without an explanation, in
13 paediatric practice, the most common one for us to refer
14 to the coroner has been in what used to be called cot
15 death, sudden infant death. But the guidance as such
16 wouldn't -- clinicians are not all that familiar,
17 paediatricians were not then, and that has been
18 recognised. So I'm not too critical about Dr Hanrahan
19 in that sense. He knew he had to refer to the coroner
20 or make a report.

21 Q. Can we then come to the quality of what he ought to have
22 been telling the coroner? If you formed the view that
23 the circumstances are such that you need to refer or
24 notify the death to the coroner, in your experience what
25 is the quality of the information that needs to be

44

1 provided?

2 A. You need to have an account of what you consider as
3 being the cause of death. My experience has been that
4 you contact the coroner's office and you usually speak
5 to a retired police officer, as it usually happens, who
6 is the coroner's officer. I think Mrs Dennison was
7 acting in that role, from having seen her transcript.

8 Q. That wasn't the way the office was organised when
9 Mrs Dennison was there. There was Mrs Dennison and as
10 many as three other colleagues doing different things,
11 but all of them at some point or other would take the
12 telephone calls of a report or notification of death.
13 She described her role, none of them had any medical or
14 legal training -- certainly she didn't -- and she
15 described her role as really taking the call from the
16 clinician, gathering in as much of the relevant
17 information, and to that extent she was very heavily
18 dependent upon the clinicians. In her evidence, they
19 realised that because they knew she had no training.
20 Once she had gathered that information, she would then
21 try and contact the coroner for the coroner to be able
22 to take a view as to what he was going to do about the
23 exercise of his jurisdiction in relation to that death.
24 And that in summary was what was happening.

25 So if you're a clinician, recognising that you're

45

1 responsibility for making sure that he had provided what
2 was appropriate in those circumstances?

3 A. Well, in my view I think it did fall upon him to do so.

4 Q. Thank you. You have also expressed the view -- we don't
5 need to pull it up, but the reference is 250-003-140 --
6 and this is still in this area of trying to establish,
7 form a view as to what is the cause of death so that you
8 can inform others. We've just dealt with the
9 circumstance when he was notifying the coroner's office.
10 But at that reference, you query how Dr Hanrahan could
11 have engaged with Lucy's parents and explained that
12 cerebral oedema had led to her death without mentioning
13 the possibility of either low sodium or some sort of
14 assault to the brain. If he is going to speak to them,
15 in your view, is it really not possible to leave out the
16 issues you have been discussing in relation to fluids?

17 A. If he had no concept that they had led to Lucy's
18 cerebral oedema, then he would not have been able to
19 mention them, and I do not know how he did explain the
20 cerebral oedema to the parents.

21 Q. If he at that stage still has no concept of how she has
22 developed or how the cerebral oedema had developed --
23 you were giving your opportunities to find out or to
24 ascertain what had happened -- is that another point in
25 time when you think he ought to, if he hadn't already

47

1 not speaking to another clinician and you're making
2 a report or notification of a death, in Lucy's
3 circumstances what do you think should have been being
4 told?

5 A. Very often, the coroner's office will ask you, "Do you
6 feel able to issue a certificate?", and you might say
7 yes or no, but then he would convey your view to the
8 coroner and ring you back. That's what used to happen
9 locally. Rather than hold on, you would get a call
10 back, saying, "Yes you can go ahead and issue
11 a certificate, or not". There were some instances
12 of course where you did not feel able to issue
13 a certificate because you had no explanation for death.
14 And in those circumstances, a formal -- there are
15 a number of ways in which this term is used: "reporting
16 to", "referring to", "sharing information with". All
17 these terms are used around this process. And I think
18 in a way -- and "notification". In a way it doesn't
19 help that we use these different terms and I have used
20 them in my report.

21 Q. Dr Hanrahan has conceded that the information he gave
22 was hopelessly inadequate. So he's conceded that
23 fairly. Bearing that in mind, do you think anybody else
24 had any obligation or duty to extract whatever was the
25 relevant information from him or did he bear the

46

1 done it, been discussing, certainly with his other
2 colleagues in paediatric intensive care, to see if he
3 can, even at that stage, get a better understanding of
4 what would happen so that he could talk to the parents?

5 A. Well, he could have done. What is evident from the
6 notes -- I'm sorry to come back to it, but it applies to
7 Dr Quinn as well -- is that there was evidence of fluid
8 overload and also evidence of cerebral oedema and there
9 was evidence of pulmonary oedema, which is another
10 measure of fluid overload, on the autopsy. So in
11 absence of any other explanation for Lucy's cerebral
12 oedema, it seems reasonable to me to have put those
13 together to have concluded that the fluid regime may
14 have played a part.

15 Q. Yes. Then if we just continue on a little bit more with
16 the notification to the coroner and move to the Erne.
17 According to Dr Hanrahan, he reports that death,
18 Mrs Dennison records it, but what onus do you think
19 there was on the clinicians at the Erne to also make
20 contact with the coroner's office?

21 A. I don't think at that stage they had the -- Lucy had
22 died in Belfast, and I think that in practice the team
23 caring for her at Belfast would be the ones notifying,
24 reporting, however you put it, to the coroner. If, on
25 the other hand, the clinicians had a concern about the

48

1 fluid regime, Dr O'Donohoe, then you could argue that he
2 had identified an error of therapy and considered
3 referring to the coroner, but that would require him to
4 recognise the problem.

5 THE CHAIRMAN: The senior coroner who gave evidence on
6 Monday has said that he doesn't remember receiving
7 different reports on the same death in his long
8 experience.

9 A. Yes.

10 THE CHAIRMAN: That wouldn't surprise you?

11 A. No.

12 MS ANYADIKE-DANES: Can I ask you to explain that point that
13 you just made there? Because of course a report to be
14 coroner could be made on a number of different bases,
15 not all of them have to relate to any error being made.
16 For example, and it seems insofar as he can reconstruct
17 it, Dr Hanrahan's basis for reporting Lucy's death to
18 the coroner was because it was unexpected, it had
19 happened within a fairly short period of time and he
20 thought it was something that needed further
21 investigation. He did not anticipate that a child who
22 had come in with gastroenteritis would die shortly
23 thereafter, or at least suffer the crisis that she had
24 shortly thereafter. So that was his reason for the
25 further investigation basis, which is the sort of

49

1 the view that the fluid regime is implicated in Lucy's
2 collapse. If you're in that situation, is there any
3 onus on you to satisfy yourself as to the basis upon
4 which the report has been made because you might have
5 relevant information?

6 A. I think that's a difficult one and I would have to defer
7 to others' views on this because Bridget Dolan has gone
8 over this. The question is: how much should you
9 volunteer --

10 Q. Yes.

11 A. -- or how much would you await an approach from the
12 coroner? As far as I understand Bridget Dolan's summary,
13 it is proper to await. This applies to Dr Kelly as well
14 later on in the process. But the question comes here
15 whether one waits for an enquiry to be made of you or
16 whether you volunteer the information in addition. If
17 you think or understand that a referral has been made
18 and the coroner will be conducting an inquest, then you
19 know that an enquiry will explore and you would be
20 perfectly reasonably within your rights and practice to
21 await that approach.

22 There is another aspect to it, which is, "Should you
23 volunteer information?", and the only guidance on
24 that is from the chief medical officer's letter, which
25 is in Bridget Dolan's report and I have not seen the

51

1 catch-all in section 7. But it's also possible to
2 report because you do feel that there has been some act
3 that has brought about the collapse.

4 A. Yes.

5 Q. And if you're not sure the basis upon which a child's
6 death or any death has been reported, but you have
7 information to indicate a particular basis, in your
8 view, is there any duty to communicate with the
9 coroner's office or the other hospital to check what
10 basis it was referred?

11 A. I think this is -- at the time of referral, I don't
12 necessarily think that applied because Dr Hanrahan was
13 reporting on the basis that he had no explanation, no
14 satisfactory explanation for her death, and that is in
15 itself sufficient. Secondly, Dr Hanrahan was not aware
16 at the time, as far as I can see, that the fluid regime
17 had been inappropriate, sufficiently inappropriate.

18 Q. I'm referring to Dr O'Donohoe.

19 A. Oh, Dr O'Donohoe?

20 Q. Sorry, just to be clear. The scenario I'm putting to
21 you is let us say that Dr O'Donohoe believes or has been
22 told that the death has been reported to the coroner.
23 He doesn't know on what basis that death has been
24 reported -- it could be reported on the one we've just
25 said, it needs further investigation. However, he's of

50

1 letter myself, but which suggests that you should
2 volunteer information. The General Medical Council
3 guidance appropriate to 1998, Good Medical Practice,
4 does not mention the coroner at all. And the one in
5 2001 does, but just encourages doctors or expects
6 doctors to respond honestly and openly.

7 THE CHAIRMAN: Thank you.

8 MS ANYADIKE-DANES: Thank you.

9 A. May I just say one further point on the coronial
10 referral process? In the Confidential Inquiry on
11 Maternal and Child Health, a report on childhood deaths
12 in 2006, one of the significant problems identified both
13 by that inquiry and I think by the predecessor of the
14 Care Quality Commission, Commission for Health
15 Improvement, CHI, both identified significant problems
16 in paediatricians not understanding the process of
17 reporting to coroners and not understanding the process
18 of assembling the information. So I put that in because
19 it puts into context the fact that Dr Hanrahan --
20 although I have criticised Dr Hanrahan because I believe
21 that it was appropriate for him to do what I've said, it
22 wasn't outside the range of common practice for these
23 errors or omissions to occur.

24 Q. The particular report, is it the "Why children die",
25 that report?

52

1 A. Yes.
2 Q. The reference for that is 315-029-002. We don't need to
3 pull it up, but there is a commentary on the work that
4 they carried out by Aiden Cotter, "The Coroner's
5 Perspective", and that can be found -- it's page 73.
6 The reference for it is 315-029-083 and on to 085.
7 That is his analysis of some of the difficulties and the
8 limitations in the present system. In fact, he does go
9 on to talk about, also from a resource point of view
10 from the coroners, in trying to address these matters.
11 But in any event that's the study that you're talking
12 about?
13 A. It is, and I think that last point is important and
14 perhaps I could just explain that a bit further.
15 Q. Yes.
16 A. In the process of investigation of sudden death in
17 infancy, which is one of the commonest reasons why
18 a general paediatrician speaks to the coroner's office,
19 the understanding that I have formed, both at local
20 level and in communication with the Home Office later on
21 in my role in the College or the British Paediatric
22 Association as it was then, was that the coroner was
23 interested in only determining whether this was
24 a natural or an unnatural death. Having decided it was
25 natural, that was the limitation of his interest, if you

53

1 Q. I beg your pardon, exactly the opposite, the
2 Children's Hospital --
3 A. Yes.
4 Q. -- who had the principal responsibility to report the
5 death to the coroner.
6 A. At that stage, yes.
7 Q. At that stage?
8 A. Yes.
9 Q. And in your view, is there a stage at which it becomes
10 a responsibility or the onus may be on the Erne or any
11 of its clinicians to report?
12 A. Well, I believe that -- and I said in my report -- that
13 in 2002 when Dr Kelly had two pieces of information,
14 those pieces of information were that he knew that there
15 was to be no inquest and at that stage he had
16 information given him from two sources, Dr Jenkins and
17 also from the joint College report that the therapy used
18 in Lucy had likely triggered the cerebral oedema and her
19 death. In possession of those two pieces of
20 information, I think it's arguable -- and I will defer
21 to the legal view on this -- that he had a duty to refer
22 to the coroner when he had those two pieces of
23 information as a medical professional.
24 Q. Thank you.
25 A. When you get to 2001, there is a different argument, and

55

1 see what I mean, in terms of, "Was it A, B, C, D as
2 a cause of natural, but not in my interest?". And the
3 reason this came about because, when we identify a baby
4 at home, a cot death, we want in ourselves as
5 paediatricians serving a community to try to identify --
6 not as a research thing, but in order to help understand
7 and support the parents, for example -- what might have
8 triggered the death. And so we wanted to take blood
9 tests and we wanted to take urine samples, which may
10 mean a stab through the bladder, which would look bad on
11 a post-mortem if you have blood in the bladder and
12 a needle stab and stabs in the arms to take blood. And
13 we may take samples of stool and throat swabs, all of
14 which costs money. And the coroner locally and all over
15 the country would not fund that.
16 So we agreed with the coroner that we could, even
17 though a child was dead, take those samples. And he was
18 happy as long as the NHS was paying. And that is where
19 the resource issue comes in. That article does refer to
20 research. This wasn't so much research; it was
21 surveillance.
22 Q. Thank you. So just so that we're clear, your view
23 is that it was the Erne who had the principal
24 responsibility to report the death to the coroner?
25 A. No, I'm sorry.

54

1 in 2000, although I've said "responsibility to share the
2 review with the coroner", I appreciate that that is not
3 under any guidance or even in custom and practice, but
4 is more in the context of openness as was trying to be
5 commended to the NHS by the chief medical officer and
6 others.
7 Q. Thank you. I was going to take you to the contact
8 between the Children's Hospital and the Erne. In large
9 part, you have addressed that, but I wonder if I might
10 pick up some discrete points within that. Would
11 you have thought at any stage, apart from the initial
12 notification that you'd reported it to the coroner and
13 the coroner was not going to exercise his jurisdiction
14 over it, and that apparently was a communication between
15 Dr Hanrahan and Dr O'Donohoe --
16 A. Yes.
17 Q. -- would you have thought at any time there should have
18 been discussion between any of the clinicians or even
19 the two hospitals about Lucy's death in connection with
20 reporting it to the coroner? Or is this something that
21 carries on with each hospital in isolation from the
22 other, if I can put it like that?
23 A. Well, I think in just general terms, I understand -- and
24 I've said in my report -- that there was no guidance on
25 what you should do, but it seemed to me that if you have

56

1 conducted a review into a child's death and you have
2 asked an external paediatrician to look at the notes and
3 you have asked your own team of nurses and doctors to
4 comment, that you should, knowing that Lucy had been in
5 Belfast and died there -- that some form of
6 communication with one of the clinicians there was
7 almost ... It's difficult to understand, in my view,
8 why that wasn't done, at a minimum, to seek a discharge
9 summary, which would give them an account of what had
10 happened or what the treating clinicians in Belfast had
11 thought had caused the cerebral oedema because it's such
12 a rare complication of gastroenteritis. I thought that
13 was a striking omission in the course of the review and
14 then when it was absent from the review that Dr Kelly,
15 after sort of quality-assuring the review, could have
16 done himself.

17 Q. Starting from that standpoint as to whether, in the
18 course of the review, anybody at the Erne should have
19 communicated with anybody at the Children's Hospital,
20 I think Dr Anderson gave evidence about that. In the
21 transcript, which we don't need to pull up, of 11 June,
22 page 51, he says:

23 "We understood our remit was to look at what
24 happened within the Erne Hospital and didn't recognise
25 that there should be, or it was even appropriate to be,

57

1 review was a preliminary opinion.
2 THE CHAIRMAN: Well, there's a specific point in the
3 documentation where it's referred to as a preliminary
4 review of the notes. That's absolutely specific. There
5 was also a degree of vagueness when Dr Quinn and those
6 associated with that review gave evidence about the
7 extent of his involvement.

8 MR GREEN: But he did give a report in the end.

9 THE CHAIRMAN: Yes, he gave a report, Mr Green, but one of
10 the difficulties and one of the problems about this
11 report is it's referred to in correspondence as
12 a preliminary review and it's not at all clear whether
13 it ever went beyond a preliminary review or whether it
14 ended up as a full and final review. But it ended up as
15 a report, I accept that.

16 MR GREEN: Yes, I follow. I was just seeking clarification.
17 Thank you very much.

18 MR COUNSELL: Mr Chairman, you'll recall that the letter
19 from Mr Fee instructing Dr Quinn used the expression
20 "an initial review".

21 THE CHAIRMAN: Yes, sorry, that's the precise term,
22 thank you.

23 We can go through this in some detail, doctor, but
24 what strikes me is that, in the Royal, nobody quite
25 understood why Lucy died, in the Erne nobody understood

59

1 looking at the views of the clinicians in the
2 Children's Hospital as to what they thought had happened
3 to Lucy."

4 Is that a reasonable position to make? Can you
5 understand that?

6 A. At that point in the course of the review, you couldn't
7 argue that. When, at the end of the review, Dr Quinn
8 had expressed his view quite clearly that he had no
9 satisfactory explanation for the cerebral oedema,
10 then -- and as far as the Erne Hospital was concerned,
11 they had no explanation for the death, I felt that they
12 should in fact have tried to find out what the
13 clinicians in Belfast had thought. I also felt that
14 a wider investigation should have been conducted than
15 the preliminary one. Dr Quinn, after all, was only
16 engaged on the basis of a preliminary look at the notes
17 and got rather caught up in the process.

18 So yes, I think there should have been at that
19 point. I can understand Dr Anderson's position. He and
20 Mr Fee were asked to look at what happened in the Erne,
21 but the result of the review was: we still don't know
22 why Lucy died.

23 MR GREEN: I wonder if through you, Mr Chairman, I could
24 invite Dr MacFaul to identify the place in the evidence
25 where he derives the proposition that the Dr Quinn

58

1 why Lucy died. The review, which included Dr Quinn's
2 report, didn't really give a clear steer about why Lucy
3 died. So the end result of this series of
4 examinations -- preliminary reviews, initial reviews or
5 whatever they were -- was that there's a 17-month-old
6 girl who is admitted to hospital, who has unexpectedly
7 died, and nobody is quite sure why; isn't that what
8 rings the alarm bells?

9 A. Absolutely, yes.

10 THE CHAIRMAN: Thank you.

11 MS ANYADIKE-DANES: And in a sense, the justification
12 perhaps for the clinicians at the Erne contacting those
13 at the Children's Hospital once they had not been able
14 to formulate a satisfactory or a conclusive view as to
15 the cause of her death is because that was the
16 specialist centre where they had sent her to, and it
17 might be reasonably thought that, if anybody was to have
18 an insight into what had happened, it was likely to be
19 there where they'd carried out the CT scans, they'd
20 carried out the investigations and where they had
21 a level of expertise in paediatric intensive care.

22 A. Yes, certainly. For example -- and this is
23 speculative -- Lucy might have had an inborn metabolic
24 disease, which would be important for parents to know.
25 She might have had a severe infection, which had been

60

1 missed at the Erne Hospital, and they didn't know that.
2 And any number of other possibilities. So it seemed to
3 be incumbent to determine: here you have a child that
4 died from gastroenteritis, what was the process by which
5 she died? And that, it seems to me, just on the basis
6 of logic, would steer you towards finding out what the
7 team in Belfast, who had conducted a series of blood and
8 imaging investigations -- what conclusion had they come
9 to.
10 THE CHAIRMAN: And if they told you, "We don't know either",
11 far from bringing an end to the investigations, that
12 would only require the investigation to be stepped up?
13 A. You would expect either to set up your own investigation
14 or to await the coroner, but at least to find out when
15 the inquest is to be held.
16 THE CHAIRMAN: I'm told that happily, despite the way we
17 might get sidetracked with the details of the inquiry,
18 that happily children's deaths are comparatively few.
19 A. Yes.
20 THE CHAIRMAN: So if there's comparatively few, I would
21 deduce from that that the deaths of children in
22 Fermanagh are even fewer.
23 A. Yes.
24 THE CHAIRMAN: So we've got an unexplained death of
25 a 17-month-old girl in Fermanagh, nobody is quite sure

61

1 labouring under the view that there was going to be an
2 inquest. The fact that they didn't find out, I think,
3 I've criticised, that, at the very least, to find out
4 when it was likely to be, if only just to get prepared
5 for it, for the clinicians to make a report perhaps
6 while their memories were fresh. And I did find that
7 surprising that no contact was made to determine when
8 the inquest was to be held.
9 Q. If I just pause you at that stage before you go to the
10 next bit of it that might have been surprising. If they
11 believed that there was going to be an inquest, then as
12 you've just said, is not one of the important things to
13 make sure that you've got as best a record of what
14 happened by those clinicians and nurses who were
15 directly involved, and would you not have thought that
16 very soon after the event you would be marshalling that,
17 even if you hadn't been asked for it, in due course it
18 will come if there's going to be a coroner's inquest, so
19 there's no point in recording people's recollections two
20 years down the track, is it not better to get a full
21 account of that then and there?
22 A. I think they had done their best to do so. The fact was
23 it wasn't good enough and that was their review.
24 Q. That's the point that I'm getting at: should they not
25 have had a full attempt to do that so that they could

63

1 why, there are reviews done and it all somehow drifts
2 away.
3 A. Mm.
4 MS ANYADIKE-DANES: I've got a note about a break,
5 Mr Chairman, but just before that, I wonder if I might
6 sort of put it in this way to you, doctor. The
7 chairman, of course, has put it to you that one can go
8 through all the detail and parse all these reviews and
9 reports and so forth, but when you stand back from it,
10 as he has invited you to do, you have the district
11 hospital, they have conducted their review and have
12 involved a number of people to do that and the upshot of
13 it is they don't really know why. You have the
14 Children's Hospital, who hasn't done that, but
15 nonetheless the lead clinician, he doesn't know why.
16 He's had a post-mortem by consent, a full post-mortem,
17 to try and ascertain, he's no better informed when he
18 gets that, he doesn't know why, he doesn't really know
19 the cause of death, but nonetheless a death certificate
20 is issued and, as the chairman just summed it up, it
21 just goes away. There is no further conclusion as to
22 how and why that child died and no further investigation
23 set up to determine that. Does that not surprise you,
24 even for 2000?
25 A. Well, in fairness to the Erne Hospital, they were

62

1 best assist the coroner, if that's what was going to
2 happen?
3 A. Well, I believe so, and that's why I have identified
4 what I saw as flaws in the review itself and also,
5 having done the review, to consider whether to share
6 that with the coroner. But that would be advice rather
7 than on a voluntary basis, or at least to stow it away
8 to use for when the inquest was to be held. That begs
9 the question of the fact that the review itself wasn't
10 particularly well done.
11 MS ANYADIKE-DANES: Yes. Mr Chairman?
12 THE CHAIRMAN: We'll break for ten minutes, doctor.
13 Thank you.
14 (11.45 am)
15 (A short break)
16 (12.05 pm)
17 MS ANYADIKE-DANES: Dr MacFaul, can I take you back to
18 something that you had referred to earlier? When I was
19 asking you about whether, in your view, a clinician in
20 2000 would have appreciated that the rate of fall of 137
21 to 127 is likely to have contributed to a cerebral
22 oedema if a cerebral oedema did indeed occur in those
23 circumstances, and you said, yes, you thought that was
24 so, and I asked you what the basis was for you forming
25 that view, and you referred to a particular case.

64

1 Admittedly, there was a head injury involved, but
2 nonetheless solutions were administered and there was
3 a fall and you said that it was that that precipitated
4 a change in practice in your hospital; is that correct?
5 A. Yes.
6 Q. That case happened in 2001?
7 A. Yes.
8 Q. So if we're discussing what the clinicians might be
9 expected to know in 2000, and you are saying nonetheless
10 you would have expected them to have appreciated or at
11 least thought about a fall from 137 to 127, what is it
12 that you identify as the source of that?
13 A. In 2000?
14 Q. Yes.
15 A. I was referring really to paediatric neurology practice
16 where, in existing brain disease, whatever it is -- and
17 in that particular child she'd had a concussion -- that
18 rapid change in blood sodium is known to make the
19 cerebral oedema worse, and that is ground which was
20 covered in discussion of Claire Roberts' case. So that
21 was well-known in the 1990s. That is why I expressed
22 surprise in the context of a paediatric neurologist.
23 Now, as far as causation of brain oedema is concerned of
24 itself, in a child without a brain illness, then that
25 was only information which became available more

65

1 But the point is that it is a condition, I don't
2 think we contaminated the lumbar puncture and that child
3 had only a mild encephalopathy and recovered in a matter
4 of about eight or ten hours, and I have a video of her,
5 but I'm not able to release that, obviously, to share
6 it. So it does exist and it tends on the whole to
7 recover. So the question is: did Lucy have such
8 a condition? And I would have to defer to a pathologist
9 about whether or not the autopsy was conducted in a way
10 which would have identified the presence of that on
11 brain examination, but I did comment in my report that
12 no lumbar puncture was sent on Lucy, which you wouldn't
13 want to do in life because of the brain swelling, but
14 could have been done just after death or could have been
15 done by the pathologist, and it wasn't.
16 THE CHAIRMAN: Thank you.
17 MS ANYADIKE-DANES: Thank you. If we move on to the
18 specific issues to do with the hospital post-mortem. As
19 you know, the inquiry has an expert pathologist,
20 Professor Lucas, who has given evidence before, and he
21 has produced a report specifically to deal with the
22 autopsy elements of this case. So I presume on the
23 actual pathology you would defer to his report and his
24 views?
25 A. Yes.

67

1 generally available in the early 2000s. What we don't
2 know with Lucy, I suspect, is whether she had indeed
3 some kind of preceding encephalopathy. I don't want to
4 raise a hare, but I suppose I have to. Deaths through
5 that mechanism are so rare that one has to consider what
6 else might have been present, and I mentioned in my
7 report rotavirus encephalopathy because we do know that
8 Lucy had rotavirus infection and we do know that she had
9 a brain illness.

10 This is a condition which is disputed and disputed
11 to the point where the comment has been made, "Oh, it
12 doesn't happen because you don't see much pathology on
13 the brain", et cetera, but also that if you obtain the
14 virus from the cerebrospinal fluid by a lumbar puncture,
15 which is a way the identifying its implication, that is
16 because you have contaminated the needle, because the
17 child has diarrhoea, you put a needle through the skin
18 and it's likely to have been contaminated, which I think
19 is likely to have been an argument and also challenged
20 because the last -- well, probably the only case which
21 I clearly identify in my own practice of rotavirus
22 encephalopathy, the pathologists refused to send the
23 cerebrospinal fluid for rotavirus because they said it
24 doesn't happen. I felt that they ought to send it, they
25 did and we grew it. So bully for me.

66

1 Q. But if we look at it from the perspective of the
2 clinician -- so not what you would be saying
3 a pathologist ought to have found or ought to have done
4 faced with a hospital autopsy in those circumstances,
5 but the clinician receiving the report -- what in your
6 view should have happened with the receipt of a report
7 like that, which doesn't appear to be conclusive in
8 terms of how the cerebral oedema developed and became
9 fatal?
10 A. Well, the preliminary report, which was available to
11 Dr Hanrahan when the death certificate was issued,
12 showed evidence of fluid overload in the sense that Lucy
13 had brain oedema and she had pulmonary oedema. So it
14 was consistent with the fluid overload situation.
15 Q. So if he had received -- which he did; he received that
16 report or he or his registrar, Dr O'Donohoe, received
17 that report -- before the death certificate was issued,
18 what do you think is the implications for them of having
19 got a report with those sorts of findings?
20 A. Well, of course, with the benefit of hindsight -- and
21 I want to underscore that because we all have to face
22 that issue; this has been looked at in a very detailed
23 way -- it is possible to conclude that Lucy had cerebral
24 oedema, she had evidence of fluid overload and it would
25 be reasonable to say, "Is it likely that the two in some

68

1 way are related", and provided an explanation and then
2 to look at the fluid management in more detail. That
3 would be ideal.
4 Q. If you weren't going to do the ideal, what's the
5 alternative?
6 A. Well, there wasn't one because he didn't have an
7 explanation, a satisfactory explanation otherwise, and
8 that is the issue here.
9 Q. So does that mean what you describe as ideal in fact
10 turns into the prudent step because you don't have any
11 other explanation?
12 A. Yes, I'm just trying to be fair on the predicament
13 facing Dr Hanrahan.
14 Q. Yes, but leaving aside wanting to be fair, the fact is
15 he has received a report, it has those elements in it
16 and somehow he's going to try and work out how she got
17 the fatal cerebral oedema because it doesn't tell him
18 that precisely in the report. Am I understanding you to
19 then say you have got to start thinking about how did
20 she get the fluid overload and is the fluid overload
21 related to the cerebral oedema?
22 A. The situation, as far as the position facing Dr Hanrahan
23 is, is that he had no other explanation, but he did have
24 features of fluid overload on the autopsy and if he had
25 reviewed the fluid regime -- and the documentation was

69

1 understand why Lucy has died --
2 A. Yes.
3 THE CHAIRMAN: -- so he has to keep digging?
4 A. Yes.
5 MS ANYADIKE-DANES: And if he's in the situation of having
6 to keep digging, does that mean, in your view, a death
7 certificate shouldn't be being issued until whatever
8 digging has happened has delivered a cause of death?
9 A. In my opinion, he should not have issued a death
10 certificate. I think when he received the autopsy
11 report, which had taken him no further, in my opinion he
12 should have reported back to the coroner or just
13 notified without question or reservation that this was
14 a case that, as far as he understood, was appropriate
15 for the coroner to take on.
16 Q. In fairness to Dr Hanrahan, he does say that. He
17 regrets now he didn't do that and believes that when he
18 got that report back, given that it hadn't answered the
19 questions he might have been hoping it would, then he
20 should have gone back to the coroner. He said that
21 quite fairly and, in your view, that would have been
22 correct?
23 A. Yes.
24 Q. Thank you. Then if we can come to the issue of the
25 mortality meetings, and I wonder if you can help us with

71

1 present in the Royal -- it would have been evident to
2 him that fluid administration had been incorrect and
3 could have contributed to the cerebral oedema.
4 Q. Is that something --
5 THE CHAIRMAN: Sorry. Doctor, you prefaced your answer to
6 the last two or three questions by saying that you
7 wanted to emphasise that you were saying this with the
8 benefit of hindsight. Okay? Do I take those last two
9 or three answers as with the benefit of hindsight, and
10 if I do, if we then go back to April 2000, Dr Hanrahan
11 has been involved in Lucy's care when she moved to the
12 Children's Hospital, he's been involved in referring her
13 death for a hospital post-mortem, he gets back the
14 preliminary report. Without the benefit of hindsight,
15 do you qualify the answers you have just given?
16 A. I withdraw those qualifications, sir. I think he should
17 have identified the linkage.
18 MS ANYADIKE-DANES: So he doesn't need hindsight to work
19 that out?
20 A. No.
21 Q. And that's in 2000 standards?
22 A. In my opinion, yes.
23 THE CHAIRMAN: Am I right in understanding that, even if he
24 doesn't get the linkage between the fluid overload and
25 the cerebral oedema, at the very least he doesn't

70

1 understanding what, so far as you have observed, is the
2 system for a hospital trying to identify the cause of
3 a child's death, on the one hand, or at least deal with
4 those issues that gave rise to the child's death on the
5 one hand and, on the other, trying to see what are the
6 more general lessons that might be learnt in terms of
7 improving procedures or practices. In your view, what
8 are the systems or avenues available in the hospital for
9 doing that?
10 A. Well, at the time, some hospitals would only examine
11 events in detail which had been regarded as an adverse
12 event. A minority reviewed all resuscitations or major
13 events. I think that the fact that the Royal examined
14 every death is to be commended, and that was their
15 process.
16 Q. If I pause there: does that mean that you're saying, in
17 2000, not all hospitals did that?
18 A. I suspect most regional centres did and I suspect most
19 district hospitals would have had some system, but what
20 I was trying to tease out there was: did you just look
21 at those where you thought there had been a problem or
22 all of those? For example, not every child necessarily
23 with a death from meningococcal disease would have their
24 review of management gone into in detail. But
25 increasingly in practice, in 2000, most regional

72

1 intensive care units, if not all, were investigating
2 deaths and this was part of the process in hand already
3 before the PICANet was set up.
4 Q. If I ask you to pause there. Let's be clear on what you
5 mean by "investigating the death". What exactly is the
6 process that you think is involved?
7 A. Well, the approach to it that was taken by the Royal was
8 to look at every death, whether or not they thought
9 at the time there had been an avoidable factor, and
10 that is to be commended.
11 Q. Yes.
12 A. And the use of a national audit database was to log all
13 deaths and record diagnoses and so on and identify
14 therapies in the long-term in being able to see trends.
15 Q. It may be inappropriate to do so, but I'm trying to see
16 if there is a distinction to be made between looking at
17 this particular individual death and trying to see how
18 that death arose, which might be something you would do
19 in a clinicopathological presentation or correlation
20 exercise to get the pathologist on the one hand meeting
21 with the clinicians to try and see if, in combination,
22 we can identify why this child died. I'm wanting to see
23 if that is a distinct exercise from reviewing all deaths
24 to see if there are trends that we can see, and it may
25 be, for example, that there's trends you can see,

73

1 how it was discussed, but in any event we were being
2 told by the pathologists that there was a thing called
3 a grand round and that the pathologists would prepare
4 a presentation of their slides and so forth, the
5 treating clinicians would be there and they would
6 discuss that and in that discussion would emerge
7 a concluded view as to why the child had died. That was
8 the grand round or a neurological round or, as it
9 happened, because that was a brain only post-mortem.
10 But that was the process which was very definitely
11 geared, in the way they described it, to identifying the
12 actual cause of death.
13 You, in the way that you have described it, now have
14 the view, I think, that that sort of thing was also
15 happening within a clinical audit or mortality meeting
16 setting and I'm trying to find out why you think that
17 that was the place where that sort of discussion would
18 happen.
19 A. Well, there wasn't any evidence that there was anything
20 else going on other than, as you described, in the
21 neurological service. So I regarded that that mortality
22 meeting was, in a way, performing that function for all
23 deaths.
24 Q. And if it was performing that function in the absence of
25 having been told that there was another forum where that

75

1 there's bad practice in relation to some particular
2 element, and that is something that we can take through,
3 we can develop guidelines about it and try and reduce
4 the incidence of deaths happening like that. Are those
5 two different exercises?
6 A. Well, I think that as far as the Royal was concerned
7 they were using the mortality review in that sort of
8 way. Dr Taylor has said that it wasn't an investigation
9 into the death --
10 Q. Yes.
11 A. -- but I suspect he meant not a formal structured
12 investigation into the death. What was happening there
13 was, as you described, there would be clinicians -- the
14 intention anyway was that the clinicians treating the
15 patient, in this case Lucy, would be present at
16 a mortality meeting, so would the pathologist if an
17 autopsy had been carried out, and those clinicians would
18 have included the intensivists as well as the specialty
19 clinicians. So in a sense, those mortality meetings
20 appeared to have been a form of, as you call it,
21 clinicopathological discussion.
22 Q. Why do you believe that that's where that kind of
23 exercise was happening as opposed to -- and if I give
24 you a contrary example -- when Claire's case was going
25 to be discussed, and we don't have any full details of

74

1 sort of thing -- the neurological round would happen but
2 in a more general setting, in the absence of being told
3 that there was another forum, then what is it that you
4 think should have been happening at these mortality
5 meetings? What should have happened in relation to
6 Lucy, for example?
7 A. I think a clinical summary of her condition, which had
8 been done in preparation for the meeting, would be part
9 of it, and that would involve a scrupulous review of the
10 case records. In that sort of situation, a review
11 perhaps of the literature, looking at what might have
12 generated cerebral oedema in a child with
13 gastroenteritis, as just part of the process. That
14 could be done either by the consultant or on his behalf
15 by a registrar.
16 Q. And is the purpose of that to try and identify the cause
17 of death? Because at that stage that would be unclear
18 to her consultant clinician.
19 A. It would be an attempt to provide as much information as
20 might help to interpret the process of death.
21 Q. Do you have direct experience of those sorts of
22 meetings?
23 A. Well, we used to do those in what we called critical
24 incident meetings in our own hospital.
25 Q. Yes.

76

1 A. And all events were reviewed, including resuscitations.
2 Q. And how long is the discussion, how thorough is it?
3 A. For each death or event, we would probably have three in
4 a matter of an hour, an hour-and-a-half.
5 Q. I see. So how then do you move from that kind of
6 scrutiny, which is a specific one to do with that
7 particular death, to teasing out the more general
8 lessons that might be learnt? Is that the exercise you
9 then move into?
10 A. Well, what is needed is to say, "I've taken the view
11 that the purpose of those meetings was to identify good
12 care when it is present, to encourage people to continue
13 at that level", with perhaps an opportunity to do better
14 and also to identify where care had fallen below
15 standard in order to remedy it -- and by "remedy" I mean
16 additional training, better guidelines or whatever, or
17 to encourage people to use the guidelines, and to
18 identify any failings in terms of lack of equipment or
19 lack of availability of the appropriate staff or delays
20 in getting access, for example, to imaging, which was
21 a problem for out of hours at times.
22 Q. Yes.
23 A. So there are a number of strands which could come out,
24 and they were logged, not necessarily linked with the
25 patient's name, but linked with case A, B, C, D or

77

1 When he was asked what the outcome of the meeting might
2 have been, he said that people would have been jumping
3 up and down at the content of the death certificate --
4 A. Yes.
5 THE CHAIRMAN: -- because it wouldn't have made sense to any
6 of them.
7 A. Yes.
8 MS ANYADIKE-DANES: So even if the child's care is not one
9 that has been the subject of attention in the
10 Children's Hospital because a child has been transferred
11 from another hospital where almost all the care has
12 taken place, do you still see an important role for
13 these meetings to discuss the care of the child?
14 A. Yes.
15 Q. And why is that?
16 A. Well, two reasons. Firstly, to ensure that what is
17 being done in your own unit is at a high standard and to
18 identify where things might be deficient. And the death
19 certification would be an example there.
20 Q. Could it, for example, have identified a certain lack of
21 appreciation, if I can put it that way, of the fluid
22 regime which those more familiar with fluids would have
23 considered to be inappropriate? Could it have discussed
24 that?
25 A. It would have identified that the regime in the Erne had

79

1 whatever.
2 Q. And in Lucy's case, if her death was going to be subject
3 to that kind of exercise, given the features of her care
4 that you have discussed in your report what are the
5 sorts of things that you think should have been
6 addressed at a meeting like that?
7 A. I think that they would have identified, by going
8 through the case records or should have done, the fluid
9 overload at Erne Hospital. As far as I can see, there
10 were no clinical failures at all in the Belfast hospital
11 in her management or her investigation for that matter,
12 save this issue of the rotavirus encephalopathy. There
13 would have been an opportunity to look at what was put
14 on the death certificate. Dr Taylor has said that the
15 death certificates were not present in those meetings,
16 and I understand that, but in Lucy's case the identified
17 entry into the death certificate was entered into the
18 clinical notes.
19 Q. That's correct. Dr O'Donoghue recorded what he was
20 going to put on the death certificate in the body of her
21 notes.
22 A. So there would have been an opportunity there for people
23 to say, "That's not logical".
24 THE CHAIRMAN: Dr Crean put it pretty explicitly. He said
25 he wasn't at any meeting that discussed Lucy's case.

78

1 not been appropriate for Lucy.
2 Q. And that would have a teaching benefit for those who had
3 not appreciated that within the Children's Hospital?
4 A. Within the Children's Hospital it would have done. It
5 would have reinforced to junior staff perhaps how
6 important fluid management is.
7 Q. And any other benefit that there is for looking at the
8 care that happens in a hospital that's not your own?
9 A. Well, in theory, of course, do you then share that
10 information with the referring hospital?
11 Q. That's where I was coming to.
12 A. That is a more difficult issue. I think that nowadays
13 I suspect it would. There were various mechanisms --
14 and I've alluded in my report, I think, to how intensive
15 care units evolved. Perhaps it's important to say that
16 in the 1990s when the centralisation of paediatric
17 intensive care was put in place, it was not always with
18 the support, in principle, of paediatricians in district
19 hospitals who resented sometimes the care going to the
20 centres. So there was perhaps a little bit of tension
21 when establishing a regional intensive care service and
22 a bit of delicacy and one of the things that you would
23 want to be cautious of was looking as though you're
24 always criticising the management in a district
25 hospital.

80

1 If you had identified a deficiency in the care, what
2 I think would have been commendable and advisable would
3 have been somebody to ring the Erne Hospital and say
4 that they thought that the fluid regime had been, number
5 one, wrong, and, number two, could -- if not
6 certainly -- well or likely have contributed to her
7 death. I do think that could have happened by
8 telephone. There might have been a reluctance to do it
9 in writing for the reasons I have just mentioned.

10 THE CHAIRMAN: Let me tease out one issue with you. The
11 reason we are looking at this limited issue about the
12 aftermath of Lucy's death when her parents have
13 withdrawn from the inquiry is because Mr and
14 Mrs Ferguson, who are here today, must think that if
15 lessons had been learnt from something like the
16 mortality meeting then Raychel would not have died
17 14 months later.

18 A. I understand that.

19 THE CHAIRMAN: So acknowledging the sensitivities about the
20 central hospital in Belfast and not always wanting to be
21 critical of the local hospitals, it's one thing for
22 somebody to contact the Erne by phone and say, "Look,
23 this is what we think happened here", but what about
24 sending out a wider message if there's reason to think
25 that the fluid regime used with Lucy and the

81

1 telling another colleague, "I think you have made an
2 error here that might have been quite fundamental". It
3 becomes more formal and he thought that might have
4 certain benefits in doing that. So that's on the one
5 hand.

6 When Dr Crean was giving evidence I asked him about
7 the fact that, in the Children's Hospital, you had this
8 reservoir of expertise and experience concentrated there
9 and probably much greater than any of the district
10 hospitals, and when children were transferred to the
11 paediatric intensive care and they saw what they
12 believed to be the result of perhaps inappropriate care
13 in some way or another, not necessarily intentional, but
14 just through not appreciating, did he not think that
15 there might be an opportunity to communicate in whatever
16 way he felt he could do that and he agreed that he did
17 do that, particularly in relation to -- I think he said
18 he certainly did it in relation to fluids, but he also
19 said he did that generally if he saw that happening in
20 a child that was transferred.

21 So it's not that people hadn't thought that they
22 could do that, they had thought they could. What
23 I think we're trying to get at is: given how important
24 that might be, is it really something that should be
25 left to the particular inclinations of a clinician in

83

1 inappropriate use of Solution No. 18 may be a wider
2 issue?

3 A. Well, a wider issue, as I've stated in my report, may
4 not have become evident at that stage because this was
5 a medication used incorrectly. And any medication used
6 incorrectly can have adverse events, adverse
7 consequences. So in that respect I think that's
8 a debatable point. Dr Steen, I think it was,
9 in relation to Claire Roberts did, in her evidence, give
10 an indication that when something serious had been
11 identified during audit in a district hospital, then
12 there was a mechanism within the Royal for referring it
13 to the medical director at the Royal, who would
14 undertake the responsibility for communicating with the
15 referring hospital. That was how she described it in
16 one way or another. How frequently that was used and
17 how well-known it was, I obviously have no ability to
18 comment.

19 MS ANYADIKE-DANES: Dr Carson, when he was giving
20 evidence -- I think it was in answer actually to
21 a question from the chairman -- said that he could see
22 some benefit in a medical director to medical director
23 communication like that because it rather took the
24 personalities out of it. It didn't give the
25 uncomfortable time when a colleague's on the phone

82

1 the Children's Hospital or should that not be something
2 that should be more formalised? And do you really need
3 to wait for a protocol or a practice to see the
4 potential benefits of the paediatric regional care
5 centre doing that for district hospitals who treat
6 children?

7 A. Well, I suspect they do now and there will have been
8 a sea change in the 2000s.

9 Q. But in 2000 --

10 A. But in 2000, what I was trying to say was the intensive
11 care services were evolving and developing, the audit
12 within intensive care was developing and evolving. So
13 one has to look back at the context of the time. I was
14 just reflecting, as I was answering, that this question
15 about, "Do you criticise another doctor? Do you
16 identify and, if you like, whistle-blow and put a red
17 flag up about another clinician's performance?", is
18 an issue which has become obviously very sensitive and
19 quite rightly has been encouraged now as part of the
20 overall practice of openness within the NHS.

21 If you go back to when I qualified -- I'm trying to
22 remember exactly where I saw it -- but I think we used
23 to be given guidance from the GMC -- and they may well
24 be able to get copies for you -- that you should not
25 criticise another medical practitioner. I think it was

84

1 put as strongly as that, but I'm relying on memory. And
2 then when you look at the guidance given in the 1998
3 Good Medical Practice, there is little attention given
4 there to reporting an error on the part of a colleague.
5 What is reported is:

6 "If you believe that a colleague and his practice is
7 dangerous to the patients under his care ..."

8 In other words, it appears to be a style of practice
9 with repeated errors, then you have a responsibility.
10 But it does not specifically address the case of the
11 individual error because everyone and every system has
12 an error in it, an error rate.

13 So I think that the GMC guidance was not as clear
14 perhaps as it might have been at that time, and this
15 comes to Dr Auterson as well in the Erne about should he
16 have raised a red flag about his colleague. It's
17 against that backdrop of change that we have seen from
18 the late 1990s/early 2000s, and then almost an
19 exponential rise in raising awareness of people's
20 responsibilities to protect patients through error
21 reporting.

22 Q. You can see, though, doctor, how deeply difficult that
23 might be for parents to accept and understand.

24 A. I understand.

25 Q. In the scenario that you painted, the

85

1 a process in hand in the late 1990s because Dr Steen
2 refers to it.

3 Q. Because that communication doesn't have to be by way of
4 blaming any particular doctor. It's a sharing of
5 information: we've carried out an investigation, this is
6 what our analysis indicates.

7 A. Yes.

8 Q. And it can be done in that way, one doesn't have to get
9 into who's to blame and whether, in fact, anybody is to
10 blame: you're sharing information.

11 A. Yes, and I think that was done with meningococcal
12 disease when Dr Taylor recognised that management was
13 sub-optimal and he produced guidelines on this. So
14 there was a process in hand, but what struck me about
15 the lack of documentation, which is what I've
16 criticised, is that there didn't seem to be a way of
17 aggregating or identifying repetitive issues.

18 Q. That was the next point I was going to come to. Because
19 so far you've been talking about the way in which one
20 might have formed a better view as to how Lucy had
21 suffered her fatal cerebral oedema, but then there's
22 another issue that I had asked you about, which is
23 seeing trends which could produce best practice or
24 guidelines, and you referred to meningococcal disease
25 and presumably Dr Taylor had seen a number of these and

87

1 Children's Hospital, through the mortality meeting, may
2 have come to a fairly clear view that something went
3 awry with the fluid regime in the transferring hospital.
4 They may not appreciate that that practice is
5 inappropriate, but we see it is and yet because of
6 sensitivities -- if that were the case -- in relation to
7 clinicians, we can't find a way of communicating that,
8 not just to them but generally to the greater safety of
9 treatment of children. You can see how that would be
10 a very difficult thing for parents to hear.

11 A. I agree with that view and I think it would have been
12 incumbent -- I think, had it been identified in the
13 Royal, for at least a telephone call to have been made,
14 clinician to clinician, to say, "Do you not appreciate
15 that Lucy has died and that the regime used in
16 Erne Hospital was likely to have contributed?", because
17 after all, that was the fundamental purpose of the
18 review set up in the Erne Hospital anyway.

19 Q. Yes.

20 A. But that would be what I would have expected as an
21 outcome. Whether that process was used in terms of
22 going up to the medical director in the Royal and then
23 doing the medical director -- I don't know how
24 frequently that was used from the Children's Hospital
25 and maybe that could be clarified. But it was obviously

86

1 was able to distil from that certain tendencies and
2 themes and he could make that the subject of guidelines
3 to improve practice. So where does that kind of
4 activity happen?

5 A. I guess it happened in the mortality meetings.

6 Q. And how would you be able to get the kind of information
7 that could be subject to that sort of analysis so that
8 you could see the recurring themes?

9 A. Meningococcal disease is not all that uncommon so just
10 from general discussion you say, "We've had another and
11 another and another". But a death from gastroenteritis
12 was so exceptionally rare that I would have expected
13 that her whole care process would have been examined in
14 great detail.

15 THE CHAIRMAN: Could somebody remind me, Mr Uberoi maybe,
16 did the meningococcal guidelines that Dr Taylor prepared
17 go outside the Royal or stay in the Royal? If you don't
18 know now ...

19 MR McALINDEN: It was delivered to all the hospitals,
20 I think, in Northern Ireland.

21 THE CHAIRMAN: Right. So they're developed in the Royal on
22 the back of mortality meetings, Dr Taylor recognises
23 an issue, draws up guidelines and then they're
24 circulated through the North?

25 MR McALINDEN: Yes.

88

1 MR UBEROI: And I think there's one more middle staging
2 post, which is they went through the Sick Child Liaison
3 Group as well.
4 THE CHAIRMAN: Thank you.
5 MS ANYADIKE-DANES: You may have seen that, Dr MacFaul.
6 That's the group that Dr Taylor was instrumental in
7 establishing.
8 A. Yes.
9 Q. It met at the Antrim Hospital if I remember correctly.
10 That became a forum to discuss issues to do with child
11 ill health and how to perhaps take themes forward. So
12 there were fora where that could happen, there were
13 attempts to do it, and what I'm really inviting you to
14 comment on is the extent to which there could have been
15 a more systematic approach to that as opposed to
16 depending on the insight and energy of any given
17 clinician.
18 A. Well, I was critical of the fact that there wasn't
19 recording so you couldn't find trends, and that would
20 have been in not uncommon diseases like meningococcal
21 disease, but there would be others: diabetic
22 ketoacidosis, for example. What struck me about Lucy is
23 that here was a child who had died from a common
24 condition with a rare, very rare, complication, and
25 knowing that deaths in gastroenteritis are exceptionally

89

1 from the regional intensive care unit what they thought
2 about the cases transferred. But then, later on,
3 I think in the 2000s, you would find increasingly the
4 regional centre would report back, if you like, but
5 in the early stages of establishment of regional
6 intensive care units, it was a process of the referring
7 hospital asking.
8 In the referring hospital itself there should have
9 been, particularly in Lucy's case, but in any death
10 really, a review, at least at the clinical level, to
11 say: well, this child, say, had meningococcal disease,
12 did we do it okay, was there anything deficient in our
13 case, was the drip put up quickly? And so on.
14 In the Erne Hospital -- and they're to be commended
15 about this -- they recognised that the death was a major
16 event and they set up a review and, in my opinion, the
17 aims of the review were satisfactory. What was
18 deficient was the way in which it was done and the way
19 in which the review report was produced and then what
20 happened afterwards. So there were deficiencies down
21 the stream, but the intention was good.
22 Q. And so far as you're concerned, who had the
23 responsibility for ensuring that the way of carrying out
24 that review was appropriate? Having got the right aims,
25 who carried the responsibility for how it should be

91

1 rare, I would have expected that in itself to have
2 generated really quite a lot of discussion and interest
3 at the mortality meeting. And it is a pity it does
4 seem -- I've read the transcripts and evidence, it
5 doesn't seem clear that her case was discussed at the
6 meeting at all.
7 Q. I think that's right. There's no real evidence that
8 there was such a discussion.
9 A. No.
10 Q. Then we move to the case review. The opportunities for
11 discussing Lucy's case and identifying why she died and
12 what lessons might be learnt from it, you have told us
13 where you think that could have happened.
14 A. Mm.
15 Q. When you've got the transferring hospital -- so the
16 child actually doesn't die there, but the care that
17 gives rise to the problem happens there -- in 2000,
18 leaving aside the fact that they instituted a case
19 review and went on in another investigation, but in 2000
20 what's the structure or the fora in the transferring
21 hospital for looking at those sorts of things?
22 A. Some hospitals had critical incident or major event
23 reviews, not all but some. Some would have reviews of
24 deaths and, in some hospitals -- but I'm not sure how
25 widespread this was -- there would be an attempt to seek

90

1 carried out or implemented?
2 A. Well, it was devolved from the senior management team.
3 Dr Kelly had been alerted by Dr O'Donohoe and the
4 critical incident form had been raised by the nursing
5 staff, and that is what triggered the review. So there
6 was a responsibility there. To an extent, I share
7 Dr Durkin's view, as he's expressed it, that the lead
8 into a clinical investigation would be that of the
9 medical director, but in the event it's not unreasonable
10 that the, if you like, the nuts and bolts of it would be
11 devolved to Mr Fee and Dr Anderson.
12 Q. Before we go further down the chain to see how those to
13 whom responsibility or to whom certain actions are
14 devolved, in terms of the overall responsibility for
15 that review, is it your view that that remains with the
16 medical director or somehow passes from him when he sets
17 it up with certain individuals to carry it out?
18 A. It doesn't pass from him, no; they're doing it on his
19 behalf.
20 Q. And if it's a poor review then he has responsibility for
21 it being a poor review and if it's a good review then
22 that's down to him as well ultimately?
23 A. That's my opinion, but as I said earlier on, I have to
24 defer to the views of the medical director in the form
25 of Dr Durkin, but that would be my view and, yes, he was

92

1 responsible for the clinical investigation and thereby,
2 in a sense, the quality of it.
3 Q. Then from your perspective, what do you think that
4 review's remit ought to have been? Was its remit
5 appropriate?
6 A. I think the remit was okay.
7 Q. Then in terms of the structure to deliver it, what
8 do you see as any deficiencies there?
9 A. I think Mr Fee and Dr Anderson were doing it together,
10 but it was mainly Mr Fee, as far as I can see, actually
11 doing it.
12 Q. Do you criticise those who were going to be charged with
13 carrying it out? Were they the right people to do it?
14 A. Yes, they were.
15 Q. So they're the right people and they've got the right
16 remit?
17 A. Yes.
18 Q. What about the way it's actually put into effect?
19 A. Well, the medical element was a bit lacking, somewhat
20 lacking. Mr Fee wrote to the nursing staff and met them
21 and Dr Anderson did not do that. As far as I can see,
22 nor did Mr Fee, but somebody must have asked them to
23 produce reports. But they were not asked in writing,
24 whereas the nursing staff were. So that was one point.
25 The other point was that fluid balance and the fluid

93

1 the people who were involved?
2 A. No.
3 MS ANYADIKE-DANES: Then you were saying that the doctors
4 should have been told what the remit of the
5 investigation was and be asked for their written
6 statements of their -- that were relevant to that remit.
7 Is there any other aspect of the way in which the review
8 was carried out that you think was inappropriate or
9 could have been improved upon?
10 A. Well, when the reports were received, it was clear that
11 there was some lack of clarity about the fluid regime
12 and what had been given, and I believe that a more tight
13 chronology should have been drawn up and that a more
14 careful analysis put together of the fluids actually
15 administered. The records, as we know, are difficult to
16 follow and it would have been important at that time to
17 have obtained clarity from the staff who had been
18 involved. The responses that were given were not very
19 satisfactory, so having received an unsatisfactory
20 response, the next step would be to clarify it with the
21 responder.
22 Q. What do you say about the relationship between the case
23 note review, preliminary or otherwise, that Dr Quinn was
24 carrying out and then this review that, to some extent,
25 built on that or followed it?

95

1 management was central to the concerns which had been
2 raised and that in a way should have been put in
3 a briefing to the doctors in seeking their report,
4 preferably in writing.
5 Q. Sorry, just so I understand, are you saying that when
6 the statements of the actual treating clinicians are
7 being sought, they should know in writing what the remit
8 of the investigation is --
9 A. That would be my opinion, yes.
10 Q. -- so that they can produce relevant statements to that?
11 A. Yes.
12 Q. You will know that some of those clinicians felt all
13 that was being asked of them was to produce a fairly
14 narrow factual account of their direct involvement and
15 were not being asked to express a view as to their
16 thoughts, for example, on the appropriateness of the
17 fluid regime. In your view, was that a helpful
18 restriction, an appropriate restriction?
19 A. No, it's not appropriate. They should have been asked
20 for their opinions.
21 Q. And why is that?
22 A. Because you were trying to find out what had gone wrong
23 and what they thought might have gone wrong.
24 THE CHAIRMAN: So if you're trying to find that out, you
25 don't restrict the information which you receive from

94

1 A. Well, I saw Dr Quinn's review as part of the review.
2 His case note review formed part of the review process.
3 Q. And do you have any comment to make about that review
4 itself?
5 A. Well, Dr Quinn was given, I think, a perfectly clear
6 brief in writing.
7 Q. Was it an appropriate briefing?
8 A. Yes, I think so. I know concerns had been raised which
9 have been addressed by Dr Durkin about whether Dr Quinn
10 was an appropriate person to ask. I think for the
11 purposes, my opinion is that for the purposes of that
12 case note review I saw no conflict of interest, although
13 it wasn't documented it was known that Dr Quinn was not
14 working in the Erne Hospital and that he wasn't known
15 personally to the staff there, at least the clinical
16 staff. I saw no conflict there. So I think what he was
17 asked to do was appropriate. The report which he
18 produced was on the case note review. I see no problem
19 with that either. I think he was an appropriate person
20 to ask with his expertise.
21 Q. In terms of the report itself?
22 A. The report has a number of problems with it and I have
23 pointed them out. The fluid calculation, I think, was
24 wrong in the statement that he made. The volume he
25 recognised was high, to be fair to Dr Quinn, and he did

96

1 draw attention to that. But then he --
2 Q. Well, did he, in the report itself, or was that left to
3 his conversation with Dr Kelly and Mr Fee?
4 A. Well, I think in either/or. I would have to look at my
5 notes to see. But it was certainly raised as an issue
6 by him that the volume was high.
7 Q. And if that was so, is that something that should have
8 been in the report itself in writing?
9 A. He said, I think, somewhere that it wasn't grossly
10 excessive, but whether that was the verbal or written,
11 I can't remember without looking at the notes.
12 Q. I can help you with that if we pull up 036a-047-101.
13 You can see in the middle there:
14 "Fluid replacement 4 hours at 100 ml provided was
15 greater than normal, but not grossly excessive."
16 This is a page of a note of a meeting that took
17 place between Dr Quinn, Dr Kelly and Mr Fee on 21 June.
18 Why I was asking you that is because, if you look at the
19 report itself -- and maybe we can pull this along the
20 other side, 036a-048-104, this is the second page of
21 Dr Quinn's report -- a number of questions are posed.
22 This is the two related ones:
23 "Was the child dehydrated on admission?"
24 And there's a view there that there's an indication
25 there of a degree of dehydration. But if you look under

97

1 has accepted that that section of his report, which
2 starts on the bottom right of the screen and goes on to
3 the next page, he cannot stand over because what he has
4 accepted is that if Lucy was so dehydrated as to need
5 somewhere around 80 to 100 ml an hour, she shouldn't
6 have been getting Solution No. 18.
7 MR COUNSELL: Absolutely, but with respect, Mr Chairman,
8 the suggestion that's being made is nowhere did Dr Quinn
9 indicate that the volumes -- leaving aside the choice of
10 fluid, which he accepted he had wrongly characterised as
11 appropriate -- that Lucy was receiving were excessive
12 when that is exactly what he indicated.
13 MS ANYADIKE-DANES: Well, Mr Chairman, I don't propose to go
14 back into the evidence. You heard the evidence and
15 you will see the explanation he gave for why he
16 formulated his report, assuming himself to be in the
17 shoes of clinicians who didn't realise that the child
18 was as sick as she probably was. I don't propose to go
19 into that point.
20 The point I'm raising with you, Dr MacFaul, is if
21 he is saying more specifically or explicitly in the
22 meeting with Dr Kelly and Mr Fee that he believed that
23 the fluids were greater than normal, is that not
24 something that should have been put more clearly in his
25 report?

99

1 "Fluids":
2 "She was treated with Solution No. 18, which would
3 be appropriate."
4 And then he goes on to talk about the volume of
5 fluids and he's taking it over the seven-hour period,
6 which is the entire period of her admission, as opposed
7 to the period when she was actually receiving the
8 IV fluids. And he reaches his calculation running at
9 100 ml an hour:
10 "Calculating the amounts over that period of time
11 therefore would produce 80 ml an hour."
12 I'm sure you have seen it many times, but there
13 isn't in that report anything to say that the fluids
14 provided were greater than normal, whether grossly or
15 not and that is why I'm asking you, since this is his
16 actual --
17 MR COUNSELL: That's precisely what it says, with respect.
18 Dr Quinn has indicated that, even if Lucy was
19 10 per cent dehydrated, the appropriate volume would
20 have been 80 and Lucy was receiving 100.
21 MS ANYADIKE-DANES: I beg your pardon, Mr Chairman, it's
22 probably the way I've looked at it. I thought he had
23 calculated it out as an average over 80 ml, but in any
24 event ...
25 THE CHAIRMAN: We can get into this, but in fact Dr Quinn

98

1 A. Yes, I think that is a reasonable position.
2 Q. And once they had received that report and saw that it
3 was really pointing the way to more having to be done --
4 I'll just pull up that report.
5 THE CHAIRMAN: 033-102-273.
6 MS ANYADIKE-DANES: When one gets to the end of the report,
7 which is going to be part of the review process, as
8 you've understood it to be, you get -- I'm looking at
9 the first of those paragraphs:
10 "During resuscitation, it obviously became apparent
11 that the child's sodium had dropped to 127. I am not
12 certain how much normal saline was run in at that time,
13 but if it was suspected that she was shocked ..."
14 And then he gives a view on what happened. Then he
15 says he hopes the comments are helpful, but he concludes
16 with:
17 "I find it difficult to be totally certain as to
18 what occurred to Lucy in and around 3 am ..."
19 "Which is of course what they're trying to find out:
20 "... or indeed what the ultimate cause of her
21 cerebral oedema was."
22 Which is, of course, the other thing they were all
23 trying to find out:
24 "It is always difficult when simply working from
25 medical and nursing records, and also from not seeing

100

1 the child, to get an absolutely clear picture of what
2 was happening."
3 So he's left it that the main questions that it
4 might have been hoped he could assist with on his case
5 note review, he can't help with. So that's how it comes
6 to those who are going to carry out the full review or
7 conclude the review process. So what do you think
8 should have been the implications for them of seeing
9 that final paragraph?
10 A. Well, Dr Quinn had raised -- as you've identified,
11 he had no explanation of the cerebral oedema, so that
12 was a warning flag. He had identified that the fluid
13 was more than should have been given, and particularly
14 the saline, he's raised a question about. Where his
15 report was somewhat, if you like, taken to be reassuring
16 was in the choice of fluid. The volume of 400 ml can be
17 debated and if you take from just the time of the
18 intravenous infusion to the time of the arrest, it is
19 arguable that the volume itself was all right. But it
20 should have contained at least 40 per cent of normal
21 saline, so the volume of No. 18 Solution that was given
22 was probably double or nearly double what was indicated,
23 and that was not picked out. So that's when I said that
24 his report was essentially wrong in that respect. But
25 Dr Quinn, for the people receiving this report, had

101

1 find out whether the coroner's inquest was to take place
2 and when, and they did have an interval to fill between
3 the time of the inquest findings and, if you like, now.
4 And during that interval, more children would be
5 admitted to the hospital where an unsafe level of
6 therapy had been used.
7 My feeling on this is that it would be incumbent
8 upon Dr Kelly to have addressed the safety issue,
9 clinical safety issue, that was raised by setting up
10 a review. He sought opinion and he had an opportunity
11 to get a steer on this from Dr McConnell. I would not
12 expect Dr Kelly to do this on his own, perhaps, but to
13 consult with colleagues to find out how he should do it.
14 Q. So in other words, you distinguish between trying to
15 close the loop in terms of what had happened to Lucy and
16 why it had happened and so forth, that's one exercise,
17 but there's another issue, and that exercise may
18 actually be resolved through an inquest hearing?
19 A. Yes.
20 Q. But there's another issue that Dr Kelly had to address,
21 which was, until all that was known, he potentially had
22 -- there might be a practice that was unsafe in his
23 hospital --
24 A. Yes.
25 Q. -- and he would need to satisfy himself about that and

103

1 raised questions. He wasn't able to provide an
2 explanation for the cerebral oedema, he had identified
3 that volumes used were high and he had identified that,
4 in particular, the saline volume was something he wasn't
5 clear on, and it was possible to work out that he had
6 suggested up to 20 ml per kilogram would be given, but
7 that's 180 ml and in fact we know -- and he knew -- that
8 Lucy had been given at least 250 and probably 500. So
9 he could have clarified that a bit further, but he had
10 raised questions about it and bounced that back to the
11 Trust.

12 So although I have said that his report was
13 misleading, it was in respect of the use of No. 18
14 Solution; he didn't mislead in respect of raising
15 questions about the fluid regime.
16 Q. So having raised those questions, how do you think they
17 should have been addressed by those charged with
18 finalising the review?
19 A. Well, my own view on this is that there was sufficient
20 uncertainty about what had caused Lucy's death. There
21 was concern expressed about the fluid regime initially
22 and it hadn't been settled by Dr Quinn's report and that
23 a further review, as a minimum, could have been
24 undertaken. The argument against that would be, "Well,
25 it's all in the hands of the coroner", but they didn't

102

1 put whatever changes in practice were necessary in the
2 interests of other children.
3 A. That's my opinion, yes.
4 MS ANYADIKE-DANES: Mr Chairman, a number of those who were
5 involved directly in the review, some of them have made
6 concessions as to its deficiencies and inadequacies.
7 I don't propose to go through all of that because you've
8 heard the evidence and you'll form your own view about
9 that. I'm really seeking from Dr MacFaul to see what he
10 can add to see how the practice might have improved
11 without going all over that, if that's acceptable.
12 THE CHAIRMAN: That helps. I think we should say generally,
13 for the purposes of Dr MacFaul's evidence, that his
14 reports are taken as read, that the concessions which
15 have been made are taken as read, and that I don't need
16 all of that territory to be covered again. So what
17 I really want Ms Anyadike-Danes to focus on, with the
18 support of the lawyers in the chamber, is what the
19 outstanding issues are before at the end of his
20 evidence. Dr MacFaul will help us in looking forward to
21 what the current position is in different areas and how
22 things might develop in the future.
23 So at that point, if this is a convenient time,
24 we'll break now. We'll keep lunch a little bit short
25 and come back at 1.55 because we still have some

104

1 territory to cover.
2 (1.05 pm)
3 (The Short Adjournment)
4 (1.55 pm)
5 MS ANYADIKE-DANES: Good afternoon. Mr Chairman, I wonder,
6 before I just resume the questioning of
7 Dr MacFaul: yesterday counsel for Mr Curtis, Dr James
8 Leonard, very kindly provided me with a judgment which
9 relates to the whole question of the obligations
10 in relation to disclosure to the coroner. It's
11 Worcester County Council & Others v HM Coroner for the
12 County of Worcester and the neutral citation is 2013
13 EWHC 1711 and we now have it paginated so you can find
14 it at 315-028-001. I'm very grateful for that.
15 THE CHAIRMAN: Thank you.
16 MS ANYADIKE-DANES: Dr MacFaul, I'd like now to ask you
17 about three areas that Dr Carson, in his evidence
18 yesterday, commented on towards the end of his evidence.
19 He saw them as particular issues, not just in relation
20 to Lucy's death, but generally in relation to the whole
21 question of governance and carrying out investigations
22 in relation to paediatric deaths. He was really looking
23 at those as issues and also the way forward, perhaps,
24 and maybe even some of the impediments to improving
25 matters.

105

1 Children, Schools and Families in 2006, and there was
2 a preliminary period when some Local Authorities took it
3 up voluntarily, but it's become statutory since 2008.
4 That process involves the reporting of every child's
5 death to the Local Children's Safeguarding Board and
6 they have a Child Death Overview Panel, which is made up
7 of a mixture of different professions, but also
8 laypeople, is my understanding. This goes beyond my
9 retirement day, so I'm speaking from just knowledge of
10 what was put in place, but it may be limited.
11 As part of that process, there has been a doctor
12 identified and funded in every commissioning area, like
13 a PCT, who is a paediatrician, who is the local
14 designated doctor for the investigation of sudden
15 unexpected death in children. That process has taken
16 over from the CEMACH pilot. CEMACH, when I tried to get
17 it funded -- and eventually it was set up -- started
18 with my recognition that although we were looking at all
19 deaths under the age of 12 months in the CESDI,
20 Confidential Enquiry into Stillbirth and Death in
21 Infancy, there was a need to look, in a structured
22 fashion at all deaths after the age of one as well.
23 I initially proposed this in the department in
24 a particularly narrow frame, which is why I'm going on
25 about this, because I felt that it was possible to look

107

1 If I can take you to the first and ask you for your
2 comments. The first relates to the investigations --
3 one might even call it the quality of investigations
4 into paediatric deaths. I think in your report you
5 referred to the Confidential Enquiry into Maternal and
6 Child Health report, the CEMACH report, and the Child
7 Death Review in 2006, which also involved
8 Northern Ireland as well as Wales and England.
9 Dr Carson didn't mention that, but he talked about the
10 benefit of having or queried whether there wouldn't be
11 some benefit of having all paediatric deaths
12 investigated, and I don't mean by their local hospital,
13 but with some level of independence and being, at
14 a regional level, able to collect the relevant
15 information in relation to them and subject that to
16 analysis to see what trends and lessons there might be
17 learnt from that.
18 I wonder if you had any comment that you could make
19 about that?
20 A. Well, at the moment, in England and Wales --
21 I understand certainly in England this is now
22 a statutory requirement under the Local Children's
23 Safeguarding Boards that every child's death is
24 investigated by a panel and this was introduced under
25 Working Together, a document of the Department of

106

1 into every death with an inquiry in terms of resource if
2 you looked at only in hospital deaths because I felt
3 that there were problems in the clinical management of
4 children without these becoming clear.
5 This was a gut feeling fed by observation of
6 practice and also by my medico-legal work. In the
7 event, the ambition for the department was to look at it
8 in a broader scale and to look at how children came to
9 die, looking at the public health aspects, the social
10 aspects and environmental aspects. For example, when
11 I mentioned in-hospital deaths, that is a subset of half
12 of all deaths because deaths outside hospital are quite
13 common from road accidents and injuries in the house,
14 drowning and so on in the environment. And the
15 ambition, therefore, of CEMACH, which was undertaken by
16 its pilot, was to follow that brief, was to look at all
17 deaths, with a view to identifying avoidable factors,
18 which included such things as traffic management and so
19 on.
20 I have reservations about that because I felt that
21 it took the focus off what I had felt was important, but
22 I understand why it was done. What has happened in the
23 setting up of the Local Children's Safeguarding
24 Boards -- this is a personal opinion, I must underscore
25 that. When they first set off, they set off under the

108

1 umbrella of the Local Authority and therefore they were
2 looking particularly at avoidable deaths from abuse and
3 neglect, social factors, perfectly laudable, and also,
4 as I said, included road traffic accidents and so on.
5 I felt that there was a danger in that -- and I still
6 feel that -- that the clinical aspects of care in
7 hospital, in Accident & Emergency and in general
8 practice have taken a sort of back seat, and the
9 responsibility -- my ambition, which has not come to
10 reality, was that we would have a continuing annual
11 review of all childhood deaths from illness. But the
12 responsibility -- and that was supposed to be CEMACH;
13 the Confidential Enquiry into Maternal and Child Health.
14 What has happened in the event is that the Local
15 Children's Safeguarding Boards have taken on that
16 responsibility and they work with a data set created
17 with CEMACH, which is a nationally agreed data set, and
18 a process, which has been nationally agreed, and they
19 are including in hospital deaths -- and as the process
20 as evolved from 2008, 2009 and so on, there has been an
21 increasing focus on clinical management and care in the
22 healthcare system, which is to be welcomed. So in the
23 end it's achieving the same end. But I would like to
24 underscore my concerns -- and I hope that they will be
25 allayed if you enquire into modern practice, which I'm

109

1 It goes over the page. If we pull up the next page next
2 to it, you can see that. I'll read to you what it says:
3 "Safeguarding in the context of the SBNI will go
4 beyond the traditional concept of child protection
5 responsibilities. As part of its remit the SBNI will
6 have a role in analysing information in relation to
7 child deaths in Northern Ireland. Co-operation with
8 regional and national initiatives such as the CEMACH
9 will be a consideration for this area of work. It is
10 anticipated that the SBNI will be established in shadow
11 form at around the time of the publication of this
12 report."
13 Mr Chairman, I haven't yet been able to identify
14 whether that has been established, but it's something
15 we are investigating, and, if it has, exactly what form
16 it is taking.
17 But while we are in the report, just so that it's
18 appreciated the sort of benefit or what the report was
19 identifying, we can look at -- I think the particular
20 part in relation to the hospital care perspective, one
21 sees that at internal page 63. I'll try and take you to
22 the relevant page. If we pull up 315-029-074.
23 You can see there the source. It goes over the page
24 as well. The sort of thing they were identifying, the
25 failure to recognise a sick child, and that in a way is

111

1 out of touch with -- that the clinical side is being
2 looked at.

3 And I know that that's the case because there have
4 been concerns that a community paediatrician perhaps was
5 identified as the doctor designated for sudden death
6 whereas actually quite a lot of the involvement in
7 in-hospital deaths would be needing somebody who was
8 used to dealing with acute illness.

9 So in England and Wales there is now a process and
10 the idea is that they should be aggregated at least at
11 a district and possibly regional and, I think, national
12 level with annual reporting. And that is undertaken.
13 Northern Ireland was initially, in terms of that,
14 I believe, was to set up a safeguarding board for
15 Northern Ireland, SBNI. I am not sufficiently in touch
16 with whether that has started or how well developed
17 it is.

18 Q. You're right, it was to. I'm looking at the 2008
19 report, if we pull up 315-029-098. Under
20 paragraph 11.12 at the bottom:

21 "Northern Ireland: it is proposed that a regional
22 safeguarding board for Northern Ireland will be
23 established by statutory provision to make arrangements
24 to safeguard the welfare of children and young people."

25 And then it goes on to say what they have in mind.

110

1 a comment that Dr Quinn had in relation to the
2 clinicians dealing with Lucy; he felt they hadn't
3 appreciated how sick she was. Then "poor medical care",
4 "failure of the hospital trust services".

5 Then if we look over the page, we see a couple of
6 particular relevance:

7 "Failure of the hospital teams to properly respond
8 to the event of a death with respect to correct referral
9 to the coroner's service, information giving to the
10 pathologist, ongoing liaison with the bereaved family,
11 and the conducting of a standard child death review."

12 Then the last bullet:

13 "Failing of attending clinicians to correctly
14 complete the medical certificate of the cause of death.
15 This has implications for the Office of National
16 Statistics data, which in turn invalidates national data
17 relating to the children's deaths."

18 I'm wondering if you can comment on the benefit of
19 it, once you have a system where you can aggregate all
20 the deaths, you begin to see the trends and the sorts of
21 issues that you might be able to subject to further
22 analysis or be susceptible to some form of change in
23 practice that might address those problems. Was that
24 part of the purpose of it?

25 A. Yes. I have had heated discussions with my public

112

1 health colleagues over what are the common causes of
2 childhood death in the United Kingdom? Because cancer
3 and congenital malformation lead the pack, as it were,
4 in terms of numbers. My view, which I was trying to
5 articulate before I retired from this area, was that
6 a significant proportion of those deaths were triggered
7 by infection and infection is, on the whole, treatable
8 and sometimes preventable. What was found by
9 Professor Goldacre in Oxford was that the completion of
10 the medical certificate of death did include cancer,
11 it would include congenital malformation, but he had
12 been able to link the death certificates with the
13 hospital discharge diagnoses in his region and was able
14 to identify that a significant proportion of them truly
15 did have an infection which hadn't been on the
16 certificate. So in public health terms, one can get the
17 wrong impression unless the certificates are properly
18 completed of what is actually the clinical priority to
19 deal with. Infection was regarded as the commonest
20 avoidable cause of death in the CEMACH review.
21 Q. This final paragraph actually identifies another point
22 that the chairman has made many times, which is that the
23 death of a child is a rare event. They go on to say
24 that because of that learning is often difficult.
25 Because it doesn't very often it is quite difficult in

1 the analysis of it so far as you're aware?
2 A. Well, CEMACH had the skills to do that and that was
3 in -- the Confidential Enquiry into Stillbirth and Death
4 in Infancy, they had the ability to do the statistical
5 stuff.
6 Q. And they produced annual reports in relation to what has
7 been analysed from the data set?
8 A. They did. They produced reviews and they would not look
9 at all deaths, but they would look at subsets. For
10 example, a sudden unexpected death in infancy was
11 a particular project which rolled on a couple of years
12 and was not a regular annual thing. The statistical
13 manipulation under the Local Children's Safeguarding
14 Boards process is opaque to me. I don't know what is
15 being done and I don't know who is responsible. Someone
16 will know.
17 Q. Thank you. I wonder if I could ask you about another
18 matter that Dr Carson raised. It's something that the
19 chairman has himself alluded to on many occasions. It's
20 the question of culture and the significance of culture
21 and its implications in terms of, firstly, correctly
22 identifying the problem, secondly, dealing with the
23 problem and, thirdly, disseminating the learning from
24 that. Do you have any views yourself?
25 A. Yes. I think what has happened in the late parts of the

1 isolated cases to see what the patterns may be, but if
2 you compile a database of this type, then it becomes
3 easier, using a larger population and a standardised
4 method of collecting the information, to see if there
5 are patterns that you can address. And then they go on
6 to talk about:

7 "Lastly, effective action in response to identifying
8 avoidable factors can only really come about through
9 local engagement with those immediately involved with
10 the care of the deceased. A bottom-up approach by
11 doctors on the front line has always delivered more than
12 high-handed directives from those several steps removed
13 from the issues and this will be a challenge for the
14 Local Safeguarding Children's Boards."

15 Are you able to comment on that just from your
16 involvement in the public health arena?

17 A. Only in the sense as I referred to earlier that I do
18 hope that, under this process, sufficient attention is
19 given to the clinical management which does, in a way,
20 require reviews of every clinical illness that has led
21 to death. And that review would include looking to see
22 whether the practice was up to standard.

23 Q. Then just so that we understand how it works, if
24 you have got that information being collated in the way
25 you say, in the form a standard data set, who then does

1 2000s and now is an increasing preparedness of
2 clinicians and nursing staff to report what they see as
3 an adverse event, and that's very helpful.

4 But firstly, the event has to be recognised as
5 adverse. In other words, an unexpected event which has
6 followed unplanned care or something of that sort. But
7 that requires the continual vigilance of oneself as
8 a clinician and the vigilance of others around you to be
9 prepared to look for sub-optimal care and to be able to
10 report it. I am confident that the future will be
11 better.

12 On the other hand, there are countervailing
13 pressures or pulls on clinicians, and it is something
14 which does require open debate. That is that there has
15 been, if you admit an error, the vulnerability of the
16 individual clinician or the service, for that matter,
17 but particularly here I want to talk about the
18 individual clinician because there has been increasing
19 resort to litigation and the litigation has resulted in
20 either a court case or negligence or a settlement. That
21 has happened increasingly, but an individual clinician
22 can protect themselves, if you like, from that by
23 insurance, and so can the organisation.

24 When it comes to the other problems, there has been
25 an increasing resort to report to the General Medical

1 Council, and there has been an increasing involvement of
2 the police with, perhaps, prosecution for manslaughter.
3 It is not possible for an individual clinician to
4 protect themselves from either of those two events, both
5 of which can lead to the loss of their professional
6 practice for all their lives, apart from all the
7 unpleasantness of it all. And that is
8 a counter-pressure, if you like, which was recognised
9 in the Bristol inquiry into the cardiac deaths and
10 Sir Ian Kennedy wrote some kind of text about it and
11 concluded that there should be a duty of candour. One
12 of the things that he pointed out was perhaps to be
13 considered was some kind of insurance in the NHS for
14 patients so that, if they did suffer an adverse event,
15 somehow or other that could be covered, but it still
16 leaves the individual clinicians vulnerable.

17 They can be defended and their defence is to
18 maintain good practice, to maintain knowledge and
19 skills, to stay within the realms of their expertise and
20 not stray unnecessarily from that and to document and
21 record well, and to audit their practice and to show
22 that they're auditing their practice and no more can be
23 expected, I think, of clinicians than that. And this is
24 the basis of the surgical outcomes reporting, which is
25 now coming on-stream about which there's been a debate

117

1 And that data quality is another issue for large volume
2 work.

3 The problem in paediatric deaths, which is a good
4 problem really, is that deaths are few, so aggregating
5 statistically meaningful data on an individual clinician
6 or even on a service would be extremely difficult over
7 a short time -- and by short I mean, two, three, five,
8 ten years.

9 Q. And that issue of candour that you mentioned in relation
10 to the Bristol report, is that something you see again
11 in relation to Mid Staffs where there's discussion of
12 a contractual duty of candour? Do you recall any
13 discussion of that sort when you were still working in
14 this sort of area?

15 A. Only in the Bristol inquiry where that term was used by
16 Sir Ian Kennedy. It was voiced then, it continues to be
17 voiced now, and it was present in Liam Donaldson's
18 document with Professor Scally, in trying to change the
19 culture to openness, but this openness culture has these
20 constraints placed on it, if you like, counterweights.

21 Q. Finally there was an issue that Dr Carson raised
22 in relation to training. Whilst he recognised the
23 benefits -- and he was partly responsible or at least
24 charged to bring in good governance into the Royal Trust
25 when he was there as medical director -- there was the

119

1 in the newspapers.

2 Surgeons are, if you like, more well placed for
3 analysis of data. It is much more difficult to do on
4 paediatricians, a bit easier in neonatal practice and
5 a bit easier in maternal death because there's enough
6 statistics, but I just rehearse that because that's the
7 predicament that is being faced by individuals.

8 Q. And presumably, that was a matter being faced when
9 you were working and doing your research in the area of
10 public health. So were you able, in the work that
11 you were doing or the work that you observed others were
12 doing, to see the initiatives that might address that
13 concern, the need to change the culture but recognising
14 the pressures that exist that work against change?

15 A. Well, one of the ways -- yes. I would like to say I'm
16 not a public health researcher. Let me just get that
17 clear. It is research which I did, but I am not putting
18 my hand up and saying I'm a researcher, an academic, but
19 it was with public health colleagues. An amateur,
20 I should think, would be the best way of describing it.

21 I think that it continues to be an issue and you can
22 see that in relation to the surgical outcomes where the
23 College of Surgeons and the department of being a bit
24 concerned about the ability of surgeons not to declare
25 their results if they don't have confidence in the data.

118

1 issue of appropriate training for those who are required
2 to carry out the investigations. He said part of the
3 problem might be that there isn't sufficient training,
4 but also that some have better skills in that regard
5 than others, but you're expecting much the same sort of
6 service to be provided, namely that a child's death will
7 be properly and thoroughly investigated, the lessons
8 will be identified in there and they will therefore be
9 able to be disseminated, and his concern was there
10 didn't appear to be much in the way of appropriate
11 training. Is that something you ever had to address?

12 A. Yes, I don't think there was much training. I think it
13 was gaining experience on -- there were a number of
14 courses in this and, of course, there is increasing
15 attention given to this in terms of root-cause analysis
16 and web-based materials from the National Patient Safety
17 Agency. And around 2000, it was an issue because
18 medical directors were appointed often with limited
19 training and limited support. Clinical directors very
20 often had no training, and very little support in how to
21 do their job, but they would find out through
22 themselves.

23 If you contrast the amount of training that is
24 required and evaluation to become a consultant in
25 a specialty with clinical responsibilities, with the

120

1 amount of training and support given to a person taking
2 up a managerial post at a clinical director level, the
3 two are completely separate.

4 There's a big gap there. There are courses and
5 I think that from 2000 there has been a step, or
6 possibly several steps, changed for the better.

7 MS ANYADIKE-DANES: Thank you. Mr Chairman?

8 THE CHAIRMAN: So when Dr Anderson effectively complained
9 that he was put in as part of the review team in
10 Sperrin Lakeland but he didn't have any training or any
11 experience in doing something like this, it's not enough
12 to say that common sense would tell you what to do
13 because his skill set for his specialty might be rather
14 different to the skill set which is required of somebody
15 who is doing an investigation?

16 A. Yes, I think that is a very fair position. I would,
17 however, comment on that that perinatal mortality
18 reviews, which are a kind of investigation, have been
19 very well-established, really from probably the late
20 60s, certainly the early 70s, and that involves the
21 investigation of maternal complications, of stillbirth,
22 of neonatal adverse events such as a hypoxic child or
23 neonatal death. And they were regularly done and they
24 would involve midwife, public health doctor, GP,
25 paediatrician, neonatal nurses. So in obstetrics, there

121

1 Doctor, thank you very much for coming over again to
2 help us. Your contribution is much appreciated. Unless
3 there's anything more you want to add, that brings an
4 end to your evidence.

5 A. Thank you very much.

6 THE CHAIRMAN: Thank you very much.

7 (The witness withdrew)

8 I understand, Mr McAlinden, that the Trust has been
9 good enough to have Claire's records --

10 MR McALINDEN: Yes, they are at present in the chamber.

11 THE CHAIRMAN: I'm going to leave you and those who are
12 directly involved in this to see if you can establish
13 the point that we were considering yesterday, whether
14 you can establish what the lower page is.

15 MR McALINDEN: Yes.

16 THE CHAIRMAN: If that can be done, then it might be
17 possible to move forward and, if it can't be done, it
18 raises problems. So unless anyone needs to speak to me
19 about that later today, I'll rise now and -- I think as
20 I said yesterday, with Professor Scally at 9 o'clock on
21 Monday morning. Thank you very much. Sorry, Mr Green?

22 MR GREEN: In relation to the forensic testing postulated by
23 my learned friend Mr Quinn, I'm unlikely to be back for
24 any other part of this segment of the inquiry. Suffice
25 it to say that my submissions are documented and

123

1 would be some skill set there. And in the Confidential
2 Enquiry into Stillbirth and Death in Infancy, the panels
3 themselves have acquired over time an expertise because
4 it was a structured approach.

5 THE CHAIRMAN: Thank you.

6 A. So there was some expertise around an investigation.

7 MS ANYADIKE-DANES: Just one final point relating to that.
8 When you mentioned that, and knowing that the Royal
9 Colleges sometimes were called upon to assist in
10 carrying out investigations, could you see a role for
11 the Royal Colleges to assist in transmitting that kind
12 of know-how?

13 A. Yes, I'm sure, and it may well be that they have done.

14 May I just emphasise that I have been out of practice
15 for six years?

16 Q. Of course.

17 A. And it may well be that they have done that. I know
18 that they were conscious of the need to improve the
19 support and training for doctors in all of the roles
20 they may be expected to undertake.

21 MS ANYADIKE-DANES: Thank you.

22 THE CHAIRMAN: Okay. Is that the end?

23 MS ANYADIKE-DANES: Yes.

24 THE CHAIRMAN: Oh, right. Okay. Any questions from the
25 floor?

122

1 I simply stand on them.

2 THE CHAIRMAN: Thank you very much indeed.

3 (2.28 pm)

4 (The hearing adjourned until 9.00 am on Monday 1 July)

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124

I N D E X

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3 DR RODERICK MACPAUL (called)1
4 Questions from MS ANYADIKE-DANES1
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