

Tuesday, 2 July 2013

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2 (10.00 am)
3 THE CHAIRMAN: Ms Anyadike-Danes?
4 MS ANYADIKE-DANES: Good morning. Can I call, please,
5 Dr Caroline Gannon and Professor Sebastian Lucas?
6 DR CAROLINE GANNON (called)
7 PROFESSOR SEBASTIAN LUCAS (called)
8 Questions from MS ANYADIKE-DANES
9 MS ANYADIKE-DANES: Good morning. Can I first ask both of
10 you, do you have your curricula vitae there?
11 DR GANNON: Yes.
12 PROFESSOR LUCAS: Yes.
13 MS ANYADIKE-DANES: What I'm going to ask you to do is ask
14 you whether you confirm the evidence that you have
15 given, or at least the content of your reports in the
16 case of you, Professor Lucas, and in the case of you,
17 Dr Gannon, the evidence in your witness statement,
18 subject to anything you might say today in the oral
19 hearing.
20 So if I start with you, Dr Gannon, the evidence that
21 we have from you is a very brief deposition, the
22 reference for that is 047-133-289, which was essentially
23 simply to present the report at the inquest. Then you
24 have made three statements for the inquiry, they bear
25 the series 281: the first is dated 11 October 2012, the

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1 been qualified as a doctor since 1991?
2 DR GANNON: That's true, yes.
3 Q. And that you're a fellow of the Royal College of
4 Pathologists and you have been since 2007?
5 DR GANNON: That's correct.
6 Q. And you're accredited with the GMC as a specialist
7 histopathologist with a sub-specialisation in paediatric
8 pathology.
9 DR GANNON: That's true, yes.
10 Q. And you were a specialist registrar in paediatric
11 pathology at Great Ormond Street Hospital from 1999 to
12 2000; would that be right?
13 DR GANNON: It was actually based at the Hammersmith and
14 Queen Charlotte's hospitals and then with a sabbatical
15 period spent at Great Ormond Street as part of that
16 training.
17 Q. Was that your first training in paediatric pathology?
18 DR GANNON: It was the first formal training. In Belfast,
19 Royal Victoria Hospital, the trainees in general
20 pathology spent time with the paediatric pathologists
21 during their period of training. So from 1993 to 1998
22 I would have spent some time attached to the paediatric
23 pathologist, but it was part of the general training.
24 Q. Thank you. And you've been a consultant
25 since October 2000?

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1 second is 28 December 2012, and the third is
2 28 May 2013. Do you adopt those as your evidence
3 subject to anything you say today?
4 DR GANNON: Yes, I do.
5 Q. Thank you very much.
6 Professor Lucas, you have provided two reports for
7 the inquiry. The first is dated May 2013 and there is
8 a supplemental report dated June 2013, and they bear the
9 series 252-003-001 and 252-004-001 respectively. Do you
10 adopt those as your reports, subject to anything you say
11 today?
12 PROFESSOR LUCAS: Yes.
13 MS ANYADIKE-DANES: Thank you very much indeed. I should
14 just correct an error that I think caused some
15 confusion, certainly for Dr Gannon. That is that the
16 inquiry incorrectly titled Professor Lucas' file "Expert
17 paediatric pathologist". That's a mistake. It should
18 have said what it said in the openings, either "expert
19 histologist" or "expert pathologist". I hope that
20 clarifies that and I apologise for that error.
21 I'm just going to go through with each of you in
22 turn some brief aspects from your curricula vitae. If
23 I start with you, Dr Gannon. Your curriculum vitae can
24 be found at 315-014-001, and perhaps if we could pull
25 that page up alongside 002. Is it correct that you've

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1 DR GANNON: Yes.
2 Q. And since July 2003, you've been a consultant paediatric
3 pathologist at the Northern Ireland Regional Paediatric
4 Pathology Service, which is based at the Royal Hospital;
5 is that correct?
6 DR GANNON: Yes, that's true.
7 Q. Have you done any work for or with the Coronial Service
8 in Northern Ireland?
9 DR GANNON: Not as such. We have done work with the
10 coroner, we take part in the coronial cases, some of
11 those have been referred on to the criminal justice
12 division because of the nature of the death. We have
13 a system in Northern Ireland where all infant deaths in
14 the community for unexpected deaths are investigated
15 jointly between the forensic pathologists and the
16 paediatric pathologists.
17 Q. Is that the change that was brought in in response to
18 the Briggs case?
19 DR GANNON: Yes, it was.
20 Q. Just for the record, that Briggs case was a paediatric
21 non-accidental injury case in 2000. There was a working
22 party done on that and that was reported in 2004,
23 roughly.
24 DR GANNON: Yes.
25 Q. And that brought about certain changes in the

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1 State Pathologist's department as to how they would deal
2 with all infant deaths: would that be correct?
3 DR GANNON: That's correct.
4 Q. Is that what introduced the joint pathologist's
5 approach, which would include a paediatric pathologist?
6 DR GANNON: That was a new approach. Up until that time,
7 the paediatric pathologists were occasionally involved
8 in investigating sudden infant deaths if they were
9 called in by their forensic pathology colleagues or if
10 the coroner directed them to carry out an autopsy.
11 Dr O'Hara was on the coroner's list of approved
12 pathologists so he was able to carry out coronial
13 autopsies. He was also involved in adult deaths, so he
14 would have carried out adult cases on behalf of the
15 coroner as well.
16 Q. Just to give a reference for what I have just been
17 putting to you, we see at 315-031-001, that's the
18 working group's report on the Briggs case. Then if we
19 go to the internal page 10 of that, you can see the
20 recommendations at 4.8:
21 "Joint autopsies should take place between forensic
22 and paediatric pathologists."
23 And then if you see the action that has been taken
24 because that working party was looking at what action
25 had been taken in the light of that case:

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1 of the Briggs case was the introduction of
2 dual-doctoring for all child autopsies. This has meant
3 that reports are often completed by paediatric
4 pathologists in the Children's Hospital."
5 DR GANNON: Yes. The way that we work, we have a SUDI
6 protocol that outlines what is expected of each
7 pathologist when we're doing double-doctoring. We take
8 the history from the police jointly, the investigation
9 is initially carried out jointly. The external
10 examination of the body and the internal examination is
11 carried out jointly. Based on the preliminary findings,
12 a lead pathologist is appointed, whether it's forensic
13 or paediatric, depending on the initial findings. And
14 that pathologist then takes it forward to collate all
15 the results and formulate the report, but both
16 pathologists are required to sign the report and both
17 agree on the commentary.
18 Q. Thank you. This has been happening at least since 2004;
19 is that correct?
20 DR GANNON: Yes. There is in the SUDI protocol -- an
21 exemption is made if there is disagreement between the
22 pathologists, it outlines what we're supposed to do in
23 those cases. If we cannot agree on the findings, then
24 they each submit their own commentary and explain why
25 they don't agree. That has never happened to my

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1 "Formal arrangements are in place and forensic and
2 paediatric pathologists now jointly perform autopsies
3 involving infants and young children."
4 And this arrangement ensures that appropriate
5 expertise is available to cover all aspects of the case.
6 There is a further reference to it at page 13, which
7 we don't need to go to, but the State Pathologist's
8 department developed a protocol, is that correct --
9 DR GANNON: That's correct.
10 Q. -- dealing with the conduct of infant and children's
11 autopsies? If we go on to 315-031-020. That's part of
12 the protocol and that's there for reference purposes.
13 A little further in, it talks about all infant and child
14 cases, before final pathology cases are submitted to the
15 coroner, that they are all subject to audit as well;
16 is that correct?
17 DR GANNON: Yes.
18 Q. Then in terms of the State Pathology Department itself,
19 if we very briefly pull up 306-073-019. This is from
20 the actual report dated June 2005 from the
21 State Pathologist's Department, and one can see here
22 that part of what is being recommended is that there
23 should be two -- you can see it right down at the
24 bottom, 3.9:
25 "One of the key recommendations following the review

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1 knowledge as yet.
2 Q. But the purpose of all this was to ensure that all child
3 deaths are rigorously examined at autopsy?
4 DR GANNON: Yes. It's made a lot easier. The
5 State Pathology Department is now based on the Royal
6 Victoria Hospital site, their mortuary is adjacent to
7 our mortuary so we have a very close working
8 relationship. Two separate departments, but we work
9 together very closely.
10 Q. Just while you mention that: is there any difficulty
11 caused in a case where you suspect the child's death
12 might be linked to the treatment at the hospital itself?
13 How do you ensure a degree of independence in those
14 circumstances?
15 DR GANNON: The forensic pathologists would be available and
16 they would be independent from the hospital. We haven't
17 had occasion where the cause of death has caused
18 problems like that. I have had a couple of cases in the
19 last few years where the death has been linked directly
20 to treatment that the patient has received and we have
21 provided that information to the coroner. That has
22 caused no problems with the Trust, that the information
23 is made freely available to the coroner.
24 Q. Thank you very much indeed.
25 Then if I can ask you, Professor Lucas, your CV is

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1 to be found at 306-069-001, and if we can pull up
2 alongside it 002. Then in due course we'll go on to the
3 next page. Professor Lucas, you've been a doctor since
4 1973; is that correct?
5 PROFESSOR LUCAS: Yes.
6 Q. And you have been a senior lecturer in pathology since
7 1977 and do you continue to lecture in pathology?
8 PROFESSOR LUCAS: Yes. I have to say this CV is now out of
9 date because I formally have part-retired -- which is
10 not stated here in April -- so I must have submitted
11 this earlier than April last year.
12 Q. You were formally part-retired in April of which year
13 in?
14 PROFESSOR LUCAS: 1 April, 2012, before the beginning of the
15 next tax year, for fairly obvious reasons. I had to
16 resign my chair and become emeritus, which I am, and
17 I now work part-time for the same hospital, which I
18 have been based in honorarily, so to speak, so I am
19 still at St Thomas' & Guy's Hospital.
20 Q. You say you resigned your chair as professor of
21 histopathology?
22 PROFESSOR LUCAS: Yes, that's right. No successor, sadly.
23 Q. And you have been a consultant pathologist since 1983?
24 PROFESSOR LUCAS: 1982, actually.
25 Q. And since 1995, you were a consultant histopathologist

1 concerns governance in coronial work, which is in
2 mainland UK -- it may be different in Ireland --
3 a perennial sore problem, subject to constant reviews,
4 from which very little happens. But new legislation and
5 new rules and regulations, I'm involved deeply in that,
6 really advising from the pathological governance point
7 of view.
8 Q. Before I ask you a little more about that, perhaps I can
9 ask you this: in terms of the actual conduct of
10 autopsies prior to your retirement, how many on average
11 would you be doing?
12 PROFESSOR LUCAS: Until I retired formally in 2012, I was
13 probably doing about 200 to 300 a year.
14 Q. Would there be any paediatric autopsies involved?
15 PROFESSOR LUCAS: Oh yes, as required. I know my limits, so
16 I haven't touched anything that relates to the Briggs
17 business -- SUDI, SIDS, possible non-accidental injury
18 -- I haven't looked at that for a long, long time.
19 I have actually done a lot of perinatal work, which in
20 fact I forgot to put in my CV because it was so long
21 ago. In the early eighties in Kenya we did a huge
22 perinatal mortality study in Nairobi and published it to
23 work out why children were dying then. But I rather
24 stopped that perinatal work when I came back so I don't
25 do that. I don't do anything to do with metabolic

1 at Guy's and Tommy's and University College Hospital and
2 The Hospital for Tropical Diseases?
3 PROFESSOR LUCAS: That's right. I've been at The Hospital
4 for Tropical Diseases actually since 1983. I had been
5 their pathologist for three decades.
6 Q. Do you also have experience of working with or for the
7 coroner?
8 PROFESSOR LUCAS: Yes, since 1976 or 1977, I should think.
9 Q. What does that or did that involve?
10 PROFESSOR LUCAS: Doing autopsies. These are non-forensic,
11 nothing query homicide. I'm not a forensic pathologist.
12 And doing work that he requested the department to do,
13 which I did, and I then developed special interests and
14 therefore got in a slightly different pattern of work as
15 the years proceeded.
16 Q. If we can pull up the next page, we can perhaps see this
17 more clearly. If we could pull up 003 alongside, we can
18 see the span of your work. You have also, I think, in
19 003 at least, we can see that you have provided advice
20 to the Home Office; is that correct?
21 PROFESSOR LUCAS: Oh yes, lots.
22 Q. In relation to?
23 PROFESSOR LUCAS: Home Office and then the
24 Ministry of Justice and then the -- I've forgotten what
25 the -- sorry, it is the Ministry of Justice now. This

1 inherited conditions or paediatric cancers because they
2 are not my specialty interest. What I'm interested in
3 is infections and general pathology, and so if the cases
4 come under that remit, I'm very happy to take them on.
5 Q. And even though you have retired, do you do any
6 autopsies now?
7 PROFESSOR LUCAS: Yes, one or two a week.
8 Q. Do you also review other pathologists' autopsy reports?
9 PROFESSOR LUCAS: On a fairly industrial scale. I have been
10 very lucky that -- I suspect I probably look at more
11 autopsy reports by other pathologists -- not in the
12 forensic field, in other fields -- than probably anyone
13 else in the country. Partly because cases get sent to
14 me to be reviewed to see what was going on and partly
15 because I'd been involved in several confidential
16 inquiries, and that brings in vast numbers of cases to
17 see. Those of course are anonymised, but they tend to
18 know where they've come from.
19 Q. So looking at a pathologist's report in the way that
20 we've asked you to look Dr O'Hara's report, that's
21 something with which you would be very familiar?
22 PROFESSOR LUCAS: Yes, and the first big publication I did
23 on that was with NCEPOD, National Confidential Enquiry
24 into Patient Outcome and Death, when we published
25 a report in 2006, which has been cited in this inquiry

1 before, called "The coroner's autopsy: do we deserve
2 better?", to which the answer was a resounding "yes".
3 Q. Is that part of the works, as we can see here, that
4 you've been involved in in the reorganisation of the
5 medico-legal coronial system in relation to autopsy?
6 Does that feed into that?
7 PROFESSOR LUCAS: That certainly feeds into that and
8 certainly had an impact in the Ministry of Justice.
9 I've resigned from NCEPOD -- I was there 10 years and
10 I contributed to various other reports -- but now the
11 confidential enquiry I'm the lead pathology assessor for
12 is that into maternal mortality in the British Isles
13 because it now includes Ireland as well. So I see all
14 the autopsy reports on maternal autopsies and do a lot
15 myself.
16 Q. I wonder if I can ask you now an issue that Dr Gannon
17 raised in her third witness statement for the inquiry.
18 The reference for it is 281/3, page 2. She points to
19 the fact that you're not a practising paediatric
20 pathologist and that you haven't held a substantive post
21 as a paediatric or perinatal pathologist. In a way,
22 what she might be suggesting is that this is a case
23 which would have benefited from expertise of that type
24 if you were going to look over Dr O'Hara's work as
25 a pathologist working in the paediatric field and

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1 PROFESSOR LUCAS: Yes.
2 Q. Thank you. If I come back to you, Dr Gannon, would you
3 accept that those sorts of issues being investigated at
4 post-mortem in this case don't require the expertise of
5 a paediatric pathologist?
6 DR GANNON: Yes. What you said originally wasn't what I was
7 actually implying in that statement that Professor Lucas
8 wasn't a recognised paediatric pathologist. It was
9 simply the fact his report had been entitled "Expert
10 paediatric pathologist's report", and that was
11 misleading.
12 Q. It certainly was. So once that has been clarified, as
13 far as you're concerned there is no issue about
14 a non-paediatric pathologist looking at some of the
15 issues in this case?
16 DR GANNON: Not entirely. Dr O'Hara was a general
17 practising paediatric pathologist. He would not have
18 regarded himself as an academic or a regional
19 super-specialist in any way. And I think having
20 somebody of Professor Lucas' calibre appraising his
21 report, it should have been somebody similar to
22 Dr O'Hara appraising his report, so somebody who worked
23 in a regional centre providing a regional perinatal
24 autopsy service to see if it met their standards. I
25 have to say, I don't think it was a fair assessment of

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1 in relation, of course, to a very young child. Can you
2 offer any comment about that?
3 PROFESSOR LUCAS: Well, basically it's a fair point, but
4 this is -- I mean, I did highlight the areas or the
5 preserves which I do think are proper paediatric
6 pathology preserves. This, in my opinion, comes into
7 general medicine and general pathology and is not
8 different actually from adults.
9 Q. Why do you say that?
10 PROFESSOR LUCAS: Because of the nature of the processes
11 going on. They happen in adults and children; they're
12 not unique to children.
13 Q. Just so that we unpack that a little bit. Does that
14 mean if you are carrying out an autopsy to investigate
15 potential effects of gastroenteritis, the cause of
16 a cerebral oedema, potential effects of any
17 bronchopneumonia, those sorts of things, are you saying
18 they're not specific to the paediatric field and you
19 don't need to be a paediatric pathologist to look at
20 that?
21 PROFESSOR LUCAS: I would say that. Or what you need to
22 know is have seen a lot.
23 Q. Of those sorts of cases?
24 PROFESSOR LUCAS: And everything else, yes.
25 Q. Would you say you had in your experience?

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1 Dr O'Hara's work.
2 Q. Professor Lucas is indicating he might have a comment.
3 PROFESSOR LUCAS: That's a very interesting line to consider
4 because that's what happens in court cases where one is
5 trying to work out whether someone might have done
6 better or not. It's the Bolam test, it is that sort of
7 thing. Is everyone familiar with what I mean with that
8 metaphor?
9 Q. Yes.
10 PROFESSOR LUCAS: Good. This is not about that. This is
11 about something quite different. This is about
12 improving practice and seeing what we can learn. So
13 I think it perfectly fair and reasonable to come in from
14 a different angle and say, "Yes, most people may not
15 have got that right at the time". That's what we're
16 going to be talking about. But actually the facts are
17 there. And to benefit the next generations -- and this
18 is patients and the doctors -- we can learn from these
19 things and that's what I regard my role as: not to put
20 myself as the equivalent of Dr O'Hara, but to say, just
21 looking at the whole thing, what can we do better next
22 time?
23 Q. We'll come on to it in detail, but just so that we are
24 clear about this, are you suggesting that the
25 observations and comments that you have made in relation

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1 to the work that Dr O'Hara carried out and his report,
2 that it might be reasonable for somebody in his position
3 not to appreciate what you're saying?

4 PROFESSOR LUCAS: That could be the case. As I said, I look
5 at lots of cases sent to me where there is puzzlement as
6 to what's going on and I'm very happy to say I think
7 I've seen this one before and it's probably this. And
8 if the local pathologist who's sending me the case says,
9 "I didn't know that, it wasn't on my horizon", that is
10 fine, that means he or she has learnt something.
11 That is what everything is about.

12 Q. I understand. As we go through these points, I'll ask
13 you if you're making an observation which you think is
14 borne out of your greater expertise or knowledge or
15 something that you think somebody in Dr O'Hara's
16 position ought to have appreciated. If we can just be
17 clear on that as we go through. I'm not asking you to
18 say it now, but as we go through, I think that would be
19 very helpful.

20 PROFESSOR LUCAS: Okay, fine.

21 Q. Dr Gannon, were you taught by Dr O'Hara?

22 DR GANNON: I was taught by him as an undergraduate. He was
23 one of the senior lecturers at Queen's University
24 Belfast where I was a medical student. Just as part of
25 my undergraduate cohort he was responsible for teaching

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1 general pathology throughout my second and third years,
2 but he was one of a number of lecturers that we had.
3 When I started as a trainee in the department he would
4 have been one of the consultants responsible for
5 providing my training as a trainee, but it wouldn't have
6 been to any greater degree than any of the other
7 trainees.

8 Q. But he did provide part of your training and guidance as
9 a senior colleague?

10 DR GANNON: Yes.

11 Q. And would you, while you were working there together,
12 have deferred to him typically?

13 DR GANNON: Yes. As a senior colleague, yes. The practice
14 of pathology in Belfast is carried out as
15 a consultant-led specialty. Any report that a trainee
16 writes is countersigned by a consultant before it leaves
17 the department. All autopsy work is countersigned by
18 a consultant. So any work that I did as a trainee was
19 always supervised by a consultant colleague.

20 Q. I wonder if we can now move on to how you came into
21 reviewing his work in the first place, which would be
22 your instruction, if I can call it that way, by the
23 coroner. You make an observation in your third witness
24 statement, which I might ask you to explain. The
25 reference for it is 281/3, page 3, you say:

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1 "May I point out that at the time I was asked to
2 present myself to the inquest, the coroner did not see
3 fit to give me any of the background of the case. I was
4 unaware of the reason why the case had been
5 retrospectively turned into a coronial investigation."

6 It's the substantive paragraph. Then you go on to
7 say:

8 "The only documentation available to me was the copy
9 of Dr O'Hara's original report and his subsequent
10 commentary for the coroner."

11 Let's start with the first bit first. Did you ask
12 the coroner why the case had become a coroner's inquest
13 or why it was to be made the subject of an inquest?

14 DR GANNON: No, I didn't speak to the coroner personally.

15 To the best of my recollection, Dr O'Hara had been
16 gravely unwell for many months, he had had repeated
17 episodes of hospital admissions. He had had some
18 communication, I understand, with the coroner about his
19 attendance at this inquest, but he was unable to go at
20 fairly short notice and, as far as I recall, we received
21 a phone call from one of the coroner's administrative
22 staff asking either myself or my other paediatric
23 pathology colleague, Dr Thornton, to go and stand in
24 Dr O'Hara's stead. There was no indication given to us
25 that this was a case of significance other than it was

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1 now a coronial case.

2 Q. The report that Dr O'Hara provided for the coroner is
3 dated November 2003, and at that time you were there
4 at the Royal in the department.

5 DR GANNON: Yes.

6 Q. Were you aware of him working on that case or that
7 report?

8 DR GANNON: No, not particularly. We each had our own
9 workload to deal with. There would have been
10 communication day-to-day about various cases, but not
11 that case particularly that I recall.

12 Q. Are you aware of that case being discussed at all?

13 DR GANNON: No, no, not at all.

14 Q. When you were asked to stand, I think essentially in
15 Dr O'Hara's stead and to give the evidence, did you know
16 what that involved, actually what that meant for you to
17 do?

18 DR GANNON: It wasn't made clear. I assumed it would be to
19 turn up and to be available to answer any questions
20 about the pathological findings. Essentially, the same
21 I would do for one of my own cases: to go and present
22 the commentary, present the clinicopathological
23 findings, the conclusion that Dr O'Hara had reached.

24 Q. Yes. In your first witness statement, 281/1, page 4,
25 you do -- maybe we should pull it up, it's important --

20

1 say what you thought that involved. You thought it:
2 "... involved reviewing his report and that to
3 review the pathological findings of a post-mortem
4 examination means to systematically examine the written
5 report, evaluate the macroscopic and microscopic
6 descriptions of the organs and tissues and evaluate and
7 critically appraise the conclusions reached by the
8 original pathologists."
9 You go on to say:
10 "It involves the examination of tissue sections,
11 photographs, genetic testing and other investigations
12 such as microbiology."
13 So is that what you thought would be involved in
14 enabling you to go and assist the coroner at the
15 inquest?
16 DR GANNON: Yes. I wasn't asked to review the report in
17 a critical manner in the way that Professor Lucas was
18 asked to review the report; I was asked to review the
19 report to familiarise myself with the findings.
20 Q. If you had disagreed with them, presumably you'd have
21 brought that to the coroner's attention?
22 DR GANNON: Yes.
23 Q. So as far as you could do it, you were going to look at
24 what you thought Dr O'Hara had looked at; would that be
25 a fair way of putting it?

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1 evidence of bronchopneumonia?
2 DR GANNON: The X-rays that we take at post-mortem are what
3 we call a "babygram". It's a different type of X-ray,
4 it's performed in a machine called a Faxitron. We're
5 looking more towards skeletal abnormalities, fractures,
6 skeletal dysplasias. In the field of perinatal
7 pathology that would be much more common, things like
8 skeletal dysplasia. Post-mortem babygrams are not good
9 for looking at soft tissue damage or soft tissue disease
10 processes such as pneumonia.
11 MS ANYADIKE-DANES: Did you know whether there were any
12 other X-rays?
13 DR GANNON: I didn't at the time. I am aware now that
14 X-rays had been taken whilst this child was in the
15 Erne Hospital, but I wasn't aware at the time, I don't
16 believe.
17 Q. Yes. When you were familiarising yourself with, let's
18 call it the histology, did you actually look at the file
19 that might have been kept in the department?
20 DR GANNON: No, the post-mortem report is kept as an
21 electronic record and that is all that I accessed.
22 I didn't obtain the original file from storage.
23 Q. Well, did you look to see whether you could get a copy
24 of the child's medical notes and records?
25 DR GANNON: No, I just looked at Dr O'Hara's report.

23

1 DR GANNON: Yes.
2 Q. Did you look at any X-rays?
3 DR GANNON: No. The X-rays -- we would generally take
4 routine skeletal surveys of any child or infant that
5 comes through the department. Generally, if it's
6 a consented post-mortem and there are X-rays available
7 from the ward, we wouldn't redo the X-rays.
8 Q. No, but would you look at them?
9 DR GANNON: They're generally filed very quickly, so I'd
10 have just looked at the written report in the actual PM
11 report rather than take the original X-rays out of file.
12 Q. Did you look at a report of the X-rays?
13 DR GANNON: I couldn't find one; it was only what was in
14 Dr O'Hara's original PM report.
15 Q. We'll come on to it in a minute, but what I'm referring
16 to is at 013-017-059. This is one place where it's
17 referred to. You can see, under "Radiology", Dr O'Hara
18 identifies:
19 "Post-mortem radiology has been performed and the
20 X-rays are on record in the Department of Pathology."
21 So he identifies that X-rays were taken at
22 post-mortem and he says where they are. When you read
23 that, did you think that maybe you ought to look at
24 them, particularly if one of the things you're going to
25 look at or consider is his conclusion that there was

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1 Q. But Dr O'Hara might have seen that, or the medical notes
2 and records in any event might have disclosed any
3 communication that there had been between the clinicians
4 and Dr O'Hara.
5 DR GANNON: It may well have done, but in my opinion I was
6 asked to present Dr O'Hara's report to the coroner and
7 just review his report and bring that to the court.
8 Q. But if anything recorded there indicated perhaps
9 a different line of investigation than perhaps Dr O'Hara
10 had embarked upon, that might be relevant to bring to
11 the coroner's attention, might it not?
12 DR GANNON: Had I been given more information from the
13 coroner about the significance of the case, I may well
14 have tried to obtain the medical records. The phone
15 call that we got from the coroner's office was: would
16 one of you mind going to the coroner's court to present
17 this report? I wasn't given any indication of the
18 importance of the case at the time.
19 Q. Can I put it this way: if you'd had the opportunity to
20 have any communication with the coroner's office and
21 recognised that this case was of some importance, it had
22 not benefited from an inquest earlier, it was now in the
23 circumstances that that arose, would you have taken
24 a slightly different approach to informing yourself?
25 DR GANNON: Yes, very much so.

24

1 Q. And would you have looked for the medical notes and
2 records?
3 DR GANNON: Most likely. I would have recalled the original
4 case report from store, I would have tried to
5 familiarise myself with more of the information and the
6 details, but at the time I was given no indication from
7 the coroner's office that this was as significant a case
8 as it is turned out to be.
9 THE CHAIRMAN: I understand that entirely, doctor, but was
10 it not a little odd that you were being brought in in
11 2003, or thereabouts, to assist with an inquest for
12 a child who had died in 2000 for whom there had been no
13 inquest and no coronial post-mortem? Was that not
14 a fairly unique --
15 DR GANNON: Not at all --
16 THE CHAIRMAN: Sorry, that's not unique?
17 DR GANNON: No, the coroner here has taken on several cases
18 that originally had been a hospital-consented case and
19 then subsequently were turned into coronial cases. It's
20 not unusual.
21 THE CHAIRMAN: Thank you.
22 MS ANYADIKE-DANES: Let me ask you this: when you say that
23 you didn't go to the file, but you obtained the report
24 electronically or from a database, I presume, of some
25 sort, what exactly -- I think in your witness statement

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1 differences between those. What I was asking was
2 a slightly different question. Did you look at it from
3 the point of view of saying: let me see the basis on
4 which he reached certain views in 2000, let me see what
5 he's saying now and see if I can understand the
6 significance of any differences that are actually in
7 either of the reports; did you look at it from that
8 point of view?
9 DR GANNON: No, I didn't. As I said, I was unaware of the
10 significance of the case and I simply reviewed the
11 histology, checked that I had come to the same sort of
12 diagnosis that Dr O'Hara had and that I possibly would
13 have worded the report slightly different, but that was
14 his wording and I had no major disagreements with it.
15 I didn't review the report in any sort of critical way
16 at all.
17 Q. As it happened, you weren't asked really to present that
18 report other than to tender it when you got to the
19 inquest. But you didn't know that that was going to
20 happen and you might well have been asked by the coroner
21 or by legal representatives of anybody else there, you
22 might well be asked about the similarities and
23 differences.
24 DR GANNON: I could well have been. At the time I attended
25 the inquest, I wasn't sworn in. The coroner stated this

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1 you've indicated that you saw the provisional anatomical
2 summary, which is the 17 April 2000 document. You saw
3 the final anatomical summary and report which
4 is June 2000; is that correct?
5 DR GANNON: Mm-hm.
6 Q. And you also saw the report that Dr O'Hara had provided
7 to the coroner in November 2003.
8 DR GANNON: Yes. They're all filed under the same autopsy
9 number.
10 Q. And given that, as the chairman has just put it to you,
11 this all started off as a hospital post-mortem by
12 consent, and that is how it proceeded in 2000, and then
13 it comes back, Dr O'Hara being asked, for a reason which
14 you wouldn't know, to look at it from the perspective of
15 an inquest in 2003, did you look at what may be the
16 differences between those reports to try and perhaps
17 understand how Dr O'Hara had come to certain views
18 in June 2000 and maybe other views in November 2003?
19 DR GANNON: He didn't really change his opinion. In my
20 opinion, he maybe expanded in the explanation as to why
21 he had reached the opinion that he had, but his opinion
22 was still that he was not able to say specifically that
23 the cerebral oedema was due wholly to the hyponatraemia,
24 and that opinion didn't change.
25 Q. We'll come to a closer look at the similarities and

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1 had been decided, the cause of death had been decided
2 and that I could be discharged and I wasn't allowed --
3 well, I was asked basically to leave, that I didn't need
4 to be there for the evidence to be heard.
5 Q. I appreciate that is what happened and we can see it
6 from the deposition. It was a different question to
7 you: you didn't know that that would happen?
8 DR GANNON: No.
9 Q. So would it not have been prudent to have prepared it on
10 the basis so that you could assist if either the coroner
11 had asked you those questions or any of the counsel for
12 interested parties had asked you those questions?
13 DR GANNON: I wasn't asked to prepare a deposition or
14 statement of any sort; I was asked just to bring
15 Dr O'Hara's reports.
16 Q. Thank you. When you were told that the cause of death
17 had been established, were you told what that was at the
18 time?
19 DR GANNON: Yes.
20 Q. What were you told?
21 DR GANNON: I think the coroner made a statement that the
22 decision had been made that this child had died of
23 hyponatraemia and it was a very bold statement and then
24 I was discharged or told I could leave and that was --
25 there really was no discussion whatsoever that I was

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1 party to.
2 Q. I understand that, but given that you'd just spent some
3 time going over Dr O'Hara's report, some time looking
4 at the histology and forming a view yourself, which, as
5 it happened, was one that was in accordance with the
6 views that Dr O'Hara had formed, did it surprise you
7 that that was a result that the coroner had reached?
8 DR GANNON: I have to say nothing very much surprises me
9 about the coroner. Coroners have their own ways of
10 working. They have very idiosyncratic ways of working
11 sometimes --
12 Q. This is a cause of death we're talking about. Did it
13 surprise you that that was a cause of death that was
14 reached?
15 DR GANNON: I don't recall thinking too much about it at the
16 time. I was unaware of the significance of the case
17 at the time. The background that this was one of
18 a series of cases was not in -- I was unaware of the
19 whole background at the time of the inquest. So
20 therefore it didn't strike me as being anything unusual.
21 Q. Leave the background aside. You'd looked at Dr O'Hara's
22 reports, you'd looked at the histology, you'd formed
23 your own view as to what you could see and what you
24 thought that meant, and your view was the same as
25 Dr O'Hara's. So that's two pathologists, one very

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1 view that bronchopneumonia -- effectively, what you are
2 saying is that should feature in Lucy's death
3 certificate?
4 DR GANNON: I think it has a larger part to play than
5 appears to be the general opinion. I have seen the
6 histology and this child had extensive bilateral
7 bronchopneumonia.
8 Q. We're going to come to that, but just so that we're
9 clear about what you're saying, the implication of what
10 you're saying is that you consider that bronchopneumonia
11 should feature in Lucy's death certificate?
12 DR GANNON: It could potentially go under part 2 as
13 a significant disease present at the time of death. I'm
14 not entirely sure that I would put it down as the cause
15 of death. I don't think it is that significant, but it
16 should certainly be at least under part 2.
17 Q. Thank you. Then just if we quickly deal with some
18 preliminary matters before we get into Dr O'Hara's
19 conduct of the post-mortem itself.
20 In your witness statement at 281/1, page 5, you talk
21 about discussions that you had with others prior to
22 finalising your work in looking at the histology and
23 Dr O'Hara's report, one of whom is Dr Claire Preshaw;
24 is that right?
25 DR GANNON: Claire Preshaw is the paediatric office manager;

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1 experienced pathologist, and you a paediatric
2 pathologist, formed that view. You come now to the
3 inquest and you're told that the coroner has formed the
4 view that, in fact, the cause of death is hyponatraemia
5 or at least hyponatraemia is implicated in it. And all
6 I'm asking you is, given that you had just been working
7 on that case to yourself form a view of the cause of
8 death, did that surprise you?
9 DR GANNON: I don't recall being surprised. I don't recall
10 my emotions at the time, I have to say.
11 Q. Well, now that you have seen it in the context of the
12 work that you have done, can you understand it?
13 DR GANNON: I do think there should have been discussion as
14 to the pathological findings at the time of the inquest.
15 I think that the bronchopneumonia has been ignored.
16 I am in agreement with Dr O'Hara's report that this was
17 a significant bronchopneumonia. It was not
18 ventilatory-associated bronchopneumonia; it was
19 community acquired and significant. That was never
20 discussed. Dr O'Hara had it in his report and it was
21 ignored.
22 Q. And you remain of that view?
23 DR GANNON: Yes. As far as I recall, that was my main
24 concern that this had never been discussed.
25 Q. Yes. As I was clarifying with you, you remain of the

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1 Claire Thornton is my paediatric --
2 Q. Dr Claire Thornton, I beg your pardon.
3 Dr Claire Thornton was a colleague that you held
4 discussions -- I think you say you don't recall the
5 detail of them, but nonetheless you did have
6 discussions.
7 DR GANNON: As far as I recall -- I mean, we received
8 a phone call saying, "Would one of you go to court?",
9 and there would have been discussion about which one of
10 us should go. I don't recall any in-depth discussion
11 about the particular case.
12 Q. So that we're clear, does this mean that you believe the
13 discussions may be more of the nature of arrangements in
14 terms of who's likely to be most free to go as opposed
15 to a discussion of the elements of the case?
16 DR GANNON: Yes.
17 Q. Thank you. You also, I think, say that there was
18 a trainee at the time, Dr Kieran O'Neill, and he was
19 attached for a very short period of time to the service,
20 and you think you had some discussions with him?
21 DR GANNON: It would have been very basic discussions.
22 Dr O'Neill was a very junior trainee at the time. He's
23 now a consultant general pathologist at Antrim Area
24 Hospital. He had not been to an inquest before this so
25 I suggested he came along to the inquest to familiarise

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1 himself with the process.
2 Q. So that's really part of his training, those sorts of
3 discussions?
4 DR GANNON: Yes.
5 Q. So does it amount to the fact that you didn't really
6 discuss with anybody the actual elements of this case?
7 DR GANNON: No.
8 Q. Thank you. If we can then go on to a brief matter
9 in relation to Dr Curtis' involvement. Dr Curtis was an
10 assistant in the State Pathology Department.
11 DR GANNON: I'm aware of Dr Curtis. I think he had left the
12 State Pathology Department before I started in Belfast
13 or maybe we overlapped, but at the time I have done
14 double-doctored cases with most of the forensic
15 pathologists, but not with Dr Curtis. So I have never
16 actually worked with him.
17 Q. I'm going to have pulled up a part of his evidence that
18 he gave to the inquiry. It's the transcript for
19 25 June 2013, page 9, and I believe it starts at
20 line 17. I had been asking, as you can probably see
21 from the lead into that, Dr Curtis about his response to
22 being told -- we don't actually know what the substance
23 of the communication was between the coroner's office
24 and Dr Curtis; all we do know is that three things were
25 recorded in the main register of deaths. One is

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1 which you could have a quite legitimate connection
2 between dehydration and cerebral oedema; would you
3 accept that?
4 DR GANNON: Yes. I think that's reasonable. I personally
5 have only ever seen cerebral venous thrombosis in
6 association with extreme prematurity in infants, but
7 I can understand his reasoning, yes. Cerebral oedema
8 can come about by quite a number of mechanisms and
9 disease processes.
10 Q. If that had been presented to you, just those three
11 things, and you're dealing with somebody who's not
12 medically trained, before you expressed a view about
13 that, would you want to know anything more about the
14 circumstances?
15 DR GANNON: I'm not quite sure what you're getting at there.
16 Could you expand on that?
17 Q. The question is this: if you have someone who's not
18 medically trained from the coroner's office, which was
19 the case, and they're seeking your assistance, they have
20 got a clinician who has reported the death on the line,
21 effectively, and they're wanting a steer as to whether
22 this might be something that could be entirely natural,
23 and you're given that trilogy of gastroenteritis,
24 dehydration and brain swelling, would you want to know
25 anything more about the circumstances before you were

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1 "gastroenteritis", the other is "dehydration" and the
2 third is "brain swelling". And it's to be assumed that
3 if there was going to be any communication between the
4 coroner's office and Dr Curtis seeking some assistance,
5 at least those three things might have been mentioned.
6 We don't know.

7 But I asked Dr Curtis, if they had been mentioned to
8 him, would he have considered there to be anything or
9 would he have been surprised about it and the reason
10 I asked him that is that others have expressed the view
11 that that is a bit of an illogical series. His answer
12 to that is, as you see it, that he wouldn't have been
13 surprised because cerebral oedema can occur due to
14 a variety of mechanisms, and then he goes on to say
15 that:

16 "In severe dehydration, the amount of circulating
17 blood volume can be reduced so there is not enough blood
18 flow to the brain and, in response to those insults, the
19 brain can swell."

20 Then he goes on:

21 "Another way in which dehydration might be connected
22 with cerebral oedema is that the brain can sludge and
23 clot in the cerebral veins and the veins inside the
24 skull, bringing about cerebral oedema."

25 So the upshot of it is that there are some ways in

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1 prepared to express a view about anything in relation to
2 the case?

3 DR GANNON: It's very difficult to give an answer to that on
4 the grounds that we now have a very good system in the
5 coroner's office which should have been implemented
6 a long time ago actually, but it's very difficult,
7 I find, that -- it's hard to get across complex medical
8 information to non-medical people if they're the ones
9 making the decision whether to carry out an autopsy or
10 not. I can understand why the coroner uses the services
11 of the Forensic Pathologist's Department to assist him
12 in making those decisions. Personally, as a physician,
13 as a medically-trained person, I would have wanted to
14 know more information about the treatment the patient
15 received, about the rehydration therapy, but as
16 a layperson, they would not necessarily have known to
17 make those enquiries.

18 Q. Might you have offered to speak to the clinician
19 directly?

20 DR GANNON: I think that is always required in a case like
21 this where it's extremely complex and there are concerns
22 about the mechanism of death and the cause of death. We
23 now have a system where we have a medical officer
24 permanently with the coroner's office, which has hugely
25 improved the service we can provide. I think at the

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1 time though my impression is that the clinician was
2 reporting the case to the coroner and was under the
3 impression that he had reported the case and then it
4 seems to be that he thought that the coroner had refused
5 the case when in fact Dr Curtis --
6 Q. Sorry, that's a different issue. I'm not really asking
7 you about that.
8 DR GANNON: There is a communication difficulty here in that
9 you're trying to get across extremely complex mechanisms
10 to a layperson and to try and emphasise how complex
11 these possible mechanisms actually are.
12 Q. I understand that. I wonder if I can put the same point
13 to Professor Lucas. If we deal with the first point,
14 the observation Dr Curtis made which is that he didn't
15 see anything particularly illogical about being given
16 that trilogy of gastroenteritis, dehydration and
17 cerebral oedema because you can move from dehydration to
18 cerebral oedema in the two ways at least that he
19 suggests. Could you express a view about that?
20 PROFESSOR LUCAS: Well, he's right, but it's not what
21 happened in this case --
22 Q. So you can --
23 PROFESSOR LUCAS: -- from the clinical physiological
24 observations at the time leading up to death.
25 Q. If you were going to form a view that you weren't

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1 Q. As you know, the medical cause of death certificate in
2 fact just retained those three items, gastroenteritis,
3 dehydration and cerebral oedema. If you were recording
4 that and you thought there was a step between those that
5 made those explicable, if I can put it that way, if
6 I just give you the reference for that, it's
7 013-008-022. You see it there. I'm not going to ask
8 you at this stage what alternative you might have put
9 there, but just dealing with this point: if you thought
10 there was a natural step or at least a natural
11 connection between the dehydration and cerebral oedema,
12 is that something that you would expect to see recorded
13 on the medical certificate of cause of death to make
14 transparent the mechanism of death?
15 PROFESSOR LUCAS: Not necessarily. You don't put everything
16 down in a death certificate.
17 Q. Well, is it acceptable simply to put gastroenteritis,
18 dehydration and cerebral oedema from your point of view,
19 Professor Lucas?
20 PROFESSOR LUCAS: Had it been a scenario that Dr Curtis was
21 suggesting, these are possibles, then in a sense that
22 will be a short form of that, but the point is it
23 wasn't. So when one's drawing up death certificates,
24 which are used for coding and national statistics
25 purposes -- that's what they're for -- you go through

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1 surprised about that juxtaposition of dehydration and
2 cerebral oedema, would you want to know any more to know
3 whether you're in the category of either of the ones
4 that Dr Curtis has said?
5 PROFESSOR LUCAS: The answer is yes. You'd want to know
6 more.
7 Q. And leaving aside wanting to know whether you were
8 in that category or not, and if I put it to you in the
9 same way as I put it to Dr Gannon, if you've got
10 a layperson seeking some guidance, assuming that you're
11 told gastroenteritis, dehydration and cerebral oedema,
12 would you want to know any more before you assisted by
13 providing any view about it?
14 PROFESSOR LUCAS: Well, yes. I have just said you'd want to
15 know more, but just from my personal experience I get
16 rung up by coroners from time to time saying, "I've got
17 a funny case note, can I go through it with you?" It
18 may start with a conversation with the coroner's
19 officer, but in the end the proper conversation goes
20 through the coroner who makes the decision.
21 Q. Yes. I'm actually just at the point of the sort of
22 information that you would want to receive before you
23 expressed a view, and if I have it from both of you,
24 I think you would both want to receive more information.
25 PROFESSOR LUCAS: Correct, yes. We are unanimous on this.

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1 the process of working out: is this the correct flow, is
2 there anything in between, is there anything that should
3 be there that should be considered? But if in the end
4 it does boil down to something like that, then that's
5 what it is.
6 Q. So if it had been either of the things that Dr Curtis
7 has suggested it might be as being a natural and logical
8 step between dehydration and cerebral oedema, you,
9 Professor Lucas, wouldn't have felt it necessary to
10 expand on that?
11 PROFESSOR LUCAS: If I was involved and I'd been satisfied
12 that what actually happened in this case was extreme
13 dehydration leading to, in a sense, dural venous sinus
14 thrombosis causing cerebral oedema, these things happen.
15 Q. Yes, I appreciate that. I'm trying to get at how you
16 would record that on a medical certificate of cause of
17 death.
18 PROFESSOR LUCAS: I think there needs to be a little bit of
19 pathophysiology between the dehydration and the cerebral
20 oedema, you're right. But just to make the academic
21 point about national statistics, these things go to the
22 ONS, who throw the words up in the air and choose the
23 words they are going to pull out for tabulating why have
24 half a million people across the UK died this year and
25 the bottom line here is gastroenteritis and that's all

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1 they'd look at. They would ignore the other ones.
2 That's one of the reasons you write death certificates.
3 Q. Can we just stick with what the clinician should record
4 if the clinician is of the view that either of the
5 mechanisms that Dr Curtis has described -- from your
6 point of view what do you say about how this gets
7 completed? Because I thought for a moment there you
8 said that there needed to be some extra pathology in
9 there.
10 PROFESSOR LUCAS: There needs to be consideration of the
11 join-ups between those words --
12 Q. That is exactly what I am asking you. What is that?
13 PROFESSOR LUCAS: -- which the clinicians would have known
14 was not the Curtis scenario.
15 Q. Yes, but assuming it was the Curtis scenario, what are
16 you saying ought to go between dehydration and cerebral
17 oedema?
18 PROFESSOR LUCAS: Something like venous sinus thrombosis.
19 Q. Thank you. If I ask you, Dr Gannon, if it were either
20 of those two routes that Dr Curtis had referred to, are
21 you saying that there ought to be anything between
22 cerebral oedema and dehydration?
23 DR GANNON: Possibly, but it's a purely hypothetical
24 situation. We know that a significant percentage of
25 medical certificates of cause of death are incomplete or

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2 PROFESSOR LUCAS: Could I just make one point, if I'm
3 allowed to? By the time this was written, which is, as
4 you say, three weeks after the death, the cause of the
5 gastroenteritis was known. It must have come back as
6 a result. So you might wonder why rotavirus wasn't put
7 in, "Gastroenteritis due to rotavirus".
8 Q. Yes. Would that have been more accurate, the two of
9 you, to have included that if you had known that that
10 was the cause of the gastroenteritis?
11 DR GANNON: If you had known that. The funding of the
12 Health Service is based on what people are dying of. If
13 you know what the population is dying of, you put the
14 money into those services to improve the healthcare. If
15 you haven't put down the cause of the gastroenteritis,
16 that reduces the amount of available information to the
17 Office of National Statistics and various health
18 organisations. But as I said, that would be an
19 acceptable cause of death if there hadn't been
20 a post-mortem and if there hadn't been more information
21 discovered.
22 Q. But given that there was, then something else would have
23 been appropriate?
24 DR GANNON: Yes, but based on the information that Dr Curtis
25 appears to have been given I think that's acceptable.

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1 downright inaccurate. They are completed by the
2 clinician to the best of their knowledge and ability.
3 They do not have to be 100 per cent accurate. That is
4 the bare bones of the case and that is all that's
5 required on a medical certificate of cause of death, the
6 bare bones. You cannot put down every single step of
7 the process on a death certificate. It would be more
8 accurate to have stated "Severe dehydration causing
9 venous sinus thrombosis leading to cerebral oedema".
10 There aren't the steps on that form to be able to do
11 that. I possibly would have put "Gastroenteritis due to
12 ..." and then whatever the organism was responsible, as
13 that would be more accurate coding. But as it stands,
14 that, I accept, would be an acceptable medical
15 certificate of the cause of death.
16 Q. At the moment, I'm only dealing with the formulation
17 that Dr Curtis was suggesting. We're going to come on
18 later on to deal with it in the context of hyponatraemia
19 and, as Professor Lucas says, what he thinks actually
20 caused it. But in terms of Dr Curtis, just so that
21 we have it, I think the two of you have said it could
22 have been improved by something in between, but you,
23 Dr Gannon --
24 DR GANNON: But it is perfectly acceptable.
25 Q. It is acceptable the way it is. Thank you very much.

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1 Q. Thank you very much. If we then go on to Dr O'Hara's
2 actual conduct of the post-mortem. When we were dealing
3 with a previous case that the inquiry is investigating,
4 the case of Claire, who died in October 1996, she was
5 also the subject of a hospital post-mortem. On that
6 case it was brain-only. I don't know if you've heard of
7 the case, Dr Gannon?
8 DR GANNON: I'm aware of the case, I'm not aware of the
9 details.
10 Q. In the course of that the inquiry was informed that
11 there are a number of guidelines that operate in this
12 area, providing protocols and guidelines. One of them
13 is a 1991 joint working party "Autopsy and audit". The
14 reference to it is 236-007-064. What we were told about
15 that is it includes a reference to:
16 "Where cases are difficult or complex, it is wise
17 for the requesting consultant to discuss the problem
18 with the pathologist prior to the autopsy and not merely
19 rely on a written request."
20 That's a request for autopsy. Would you accept
21 that?
22 DR GANNON: Yes.
23 PROFESSOR LUCAS: Agreed.
24 Q. And also that report goes on at 236-007-065:
25 "Close liaison between physicians, surgeons, if

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1 appropriate, and pathologists is to be encouraged."
2 DR GANNON: Very much so, yes.
3 Q. In terms of Lucy's death, would you have said that
4 Lucy's death, as you're aware of it, came into that
5 category of difficult or complex where it really would
6 have been helpful for the requesting consultant and the
7 pathologist to have had a discussion even before the
8 pathologists got started?
9 DR GANNON: I think in an ideal world, yes, you would want
10 to discuss all your cases with the clinician at the time
11 before you start the post-mortem. In an ideal world.
12 Preferably a clinician should be present either at the
13 post-mortem itself or immediately after the post-mortem
14 to review the findings, the initial naked eye findings.
15 It doesn't always happen.
16 Q. Yes, I think we know that now. What I was really
17 putting to you is this joint working party starts off on
18 where cases are difficult or complex, and what I was
19 asking you to express a view on is whether you thought
20 Lucy's case fell into that category.
21 DR GANNON: I obviously can't speak for Dr O'Hara. He may
22 not have considered it.
23 Q. For you.
24 DR GANNON: I cannot speak for Dr O'Hara in that he may not
25 have considered this difficult or complex. Personally,

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1 evidence, to be missing is at least any record of
2 discussions between them?
3 DR GANNON: Yes, I would agree with that. We are dependent
4 on the clinicians to provide us with the clinical
5 history, to provide us with the relevant clinical
6 information and to point us in the direction of the way
7 they think the investigation should be going. There is
8 a section on the request form to ask for any specific
9 questions that need to be answered, and that is the way
10 by which the clinician can say, "I am worried about
11 this, please investigate this in more detail". I'm not
12 aware those discussions took place.
13 THE CHAIRMAN: Tell me if I am wrong, doctor, but
14 I understand you to be making two points. One is in
15 defence of Dr O'Hara and one is in defence of
16 pathologists generally, that it is for the treating
17 clinicians to take the lead on these discussions if they
18 have concerns. On the other hand, if the pathologist
19 then has concerns which he or she thinks may have been
20 missed, then the onus switches and the pathologists
21 might then take the lead with the clinicians; is that
22 fair?
23 DR GANNON: The first half of your statement I would agree
24 entirely with. My personal belief is, as a pathologist,
25 I am just one part of the investigation into the death

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1 in a case of a child dying in an intensive care unit,
2 I would want to speak to the clinician before I started.
3 That is my personal working practice, but I can't speak
4 for Dr O'Hara.
5 THE CHAIRMAN: I think the guidance that you were referred
6 to a few moments ago is the other way round. It is
7 where the referring consultant thinks it is difficult or
8 complex and, in this case, Dr Hanrahan said he didn't
9 know why Lucy died. So in his eyes, Lucy's case was
10 difficult or complex because if you don't know why
11 a child died, then is that not the very scenario where
12 the referring consultant should speak to the
13 pathologist?
14 DR GANNON: That's true, but it depends on the clinician.
15 If the clinician emphasises to the pathologist that they
16 consider this to be a difficult case -- I'm not party to
17 any discussions that Dr O'Hara had with the clinicians.
18 THE CHAIRMAN: No, but I think the lead for this -- and this
19 is one of your general themes, I think -- that you don't
20 think that Dr O'Hara should have taken the lead in this,
21 but you think the lead should have been taken from the
22 treating clinicians.
23 DR GANNON: Very much so.
24 THE CHAIRMAN: Whoever took the lead, there should have been
25 discussions between them, and what appears, on the

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1 of a patient, that the clinician is the person who
2 should be in overall charge of the case who is best
3 placed to put together all the facts of the
4 investigation and to discuss -- so the pathologist, yes,
5 should be part of that, but it's not for me to start
6 hounding away at an investigation. It's up for the
7 clinician to do that. I certainly will raise anything
8 that I find that was unexpected, I will raise that,
9 bring that to the attention of the clinician, but
10 I don't think that my primary role is to be the lead in
11 these cases. My primary role is to assist and advise
12 the clinician in his investigations.
13 THE CHAIRMAN: Professor, are you on the same track as
14 Dr Gannon?
15 PROFESSOR LUCAS: Not quite. I agree with virtually
16 everything Caroline Gannon says, the business about
17 having information upfront, knowing what the doctors are
18 wanting to find and exclude from an autopsy before one
19 actually does it. As an aside, it's not always
20 absolutely necessary to read all the notes, all the
21 records of everything before you inspect the body and
22 put a knife to it. What you need to do is work out why
23 you're there, which issues are to be addressed, because
24 it was done in this case, if one does a protocol-driven
25 autopsy where you actually do everything and sample

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1 everything, detailed questions can be resolved
2 afterwards as they come up. In other words, you don't
3 have to comprehend the entire case before you start the
4 autopsy. You need to get going.

5 That's one thing on the process. I do disagree
6 a little bit in a sense about who runs it at the end.
7 If you're dealing with a consented autopsy, the family
8 has been asked to put themselves out, the clinicians are
9 putting themselves out -- I mean consented autopsies
10 cost money, they create noise in the general sense -- so
11 you might expect the clinicians being the one people
12 leading this to demand it. My personal experience,
13 of course, is mostly with coronial work, although I did
14 quite a lot of consented ones. There -- and this is
15 probably where my attitude comes from -- I do actually
16 think the pathologist, in the end, takes the lead to
17 sort the problems out because he's the person the
18 coroner is looking to to sort it out
19 clinicopathologically, and that attitude then probably
20 spills into my other practice as well, so I do tend to
21 be a bit more proactive.

22 MS ANYADIKE-DANES: And in a way you might say that the
23 clinician is looking to the pathologist to help him sort
24 it out because, if it's a hospital autopsy, he hasn't
25 been able to sort something out, which is why he's

1 embolism, or something like that, which explains
2 everything in one go and it ceases to be a difficult
3 case. The reason why this becomes difficult is, having
4 started with an unusual scenario, you are then left with
5 features that apparently, at the time, do not add up.
6 That makes it complicated and difficult, yes.

7 Q. If the premise is this is a bit unusual, in the UK we
8 don't have many young children die of gastroenteritis,
9 and maybe not that quickly either. Essentially, she's
10 a well child, she comes in not terribly well at 7.30 on
11 the 12th, and by 3 o'clock on the 13th the following
12 morning, really, 3 am, she is moribund and she never
13 recovers from that position. So one might regard that
14 as being particularly speedy. It was certainly
15 something that troubled Dr Hanrahan as to how quick that
16 was. So if you're faced with that, are those the
17 circumstances that make it an appropriate case to have
18 that sort of pre-start discussion?

19 PROFESSOR LUCAS: Yes, you know the issues. But just to
20 reinforce the point I made: a case becomes difficult or
21 complicated, in a sense, after the autopsy has commenced
22 and you realise that actually it's not going to be an
23 easy answer, it's not going to be evident within the
24 next few minutes or even a day. In other words, the
25 gross autopsy, as here, didn't actually solve the issues

1 coming to you in the first place?

2 PROFESSOR LUCAS: That's one reason for doing consented
3 autopsies. It's not the only one. There may be details
4 in other cases which are not totally germane to the main
5 thrust of death, so to speak, which they want to know
6 about. That's fine. But when it turns out it's all
7 very puzzling and complicated and it all doesn't quite
8 add up, to use a rather loose holding statement, then
9 conversations happen, discussions happen, by all sorts
10 of means and my feeling at the moment is the pathologist
11 leads this because he probably has the best perspective
12 on it at the time.

13 Q. Can I ask you this question just to make sure that we
14 have the same question put to you as I asked Dr Gannon:
15 did you regard Lucy's case as a complex or difficult one
16 from the point of view of these pre-start discussions?

17 PROFESSOR LUCAS: The words "complex" and "difficult" are
18 interesting because actually, when the poor child died,
19 it wasn't necessarily any of those things at all. It's
20 the wrong word. The word is "unusual". Children with
21 rotavirus and gastroenteritis don't normally die within
22 two days of arriving in hospital. That's unusual. That
23 doesn't necessarily make it complicated or difficult
24 because on doing the autopsy, one might, for example,
25 hypothetically find there's a massive pulmonary

1 raised, it didn't solve the problem. At that point in
2 your mind, you now realise this is difficult and
3 complicated and you move on to a different strategy.

4 Q. Yes. Let me put this to you. This is the 1993 Royal
5 College of Pathologists guidelines for post-mortem
6 reports. It's one I think that was referred to in the
7 context of Claire's case. The reference for it is
8 236-007-054, and what it says at paragraph 2(a) -- I'm
9 sorry, I thought that was the reference, but any way --
10 paragraph 2(a):

11 "It is the pathologist's responsibility to be
12 satisfied that a full account has been obtained."

13 And that was going to make him sure that you start
14 off with all the information that you need in order to
15 progress the post-mortem. The question that I want to
16 put to you, Professor Lucas, because you really started
17 on that line, and then move to you, Dr Gannon, is: if
18 that's so, the pathologists have to make sure they've
19 got a sufficiently full account, is there not some onus
20 on the pathologists to ensure they actually know -- this
21 is on a consented autopsy I'm talking about -- they know
22 what the clinician's concerned about, what he's seeking
23 assistance with, so that you can best help?

24 PROFESSOR LUCAS: Yes.

25 Q. And sometimes, Professor Lucas, does that not require

1 some discussion with the clinician to make sure you've
2 got that absolutely right?
3 PROFESSOR LUCAS: Yes. But it can be a written discussion.
4 It could be that on the request form for the consent
5 autopsies all these questions are listed and
6 bullet-pointed, otherwise it's a telephone conversation
7 or a meeting.
8 Q. Would you --
9 PROFESSOR LUCAS: One doesn't start a consented autopsy
10 blind as to what the questions are; one has a steer as
11 to what they want.
12 Q. Would you accept that, Dr Gannon?
13 DR GANNON: Yes, yes. The more information the better when
14 you're starting a post-mortem.
15 Q. It's not so much that; it's making sure that you have
16 understood what the concerns are or the difficulties are
17 of the clinician so that, when you conduct your
18 post-mortem, you can ensure that you have addressed
19 those or, if there's anything that he hasn't seen that
20 helps him with this problem, you've highlighted that.
21 That's really the target of my question.
22 DR GANNON: Yes. It does help if the clinician has
23 highlighted their concerns to you, whether that's in
24 written form, as a clinical request form, or as a phone
25 call or a meeting. The way that I think Dr O'Hara has

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1 relatives."
2 That wasn't an issue here, but the fact that it's
3 being highlighted that patient notes should be studied
4 carefully particularly in relation to clinical problems,
5 would you both accept that?
6 PROFESSOR LUCAS: Yes.
7 DR GANNON: Yes, if they're made available to you before you
8 start the autopsy.
9 Q. Yes. Then if I pull up the autopsy request form,
10 if we pull up please page 061-022-073 and put alongside
11 it 075. What's in the middle is a note relating to
12 transplant, which I don't think is relevant for these
13 purposes. There we are. So this is the autopsy request
14 form that Dr O'Hara had. So in terms of alerting him to
15 what the clinical issues were, what the concerns of the
16 clinicians were, this is what he's got, absent any
17 discussion.
18 So you have the clinical presentation there and then
19 you have the history of the present illness. Then
20 you have the past medical history, then you have the
21 investigations and you can see that the serum sodium
22 levels fell from 136 to 126, according to this, when she
23 was in the Erne Hospital. You see what the result of
24 the CT scan is and the EEG, and then you've got the
25 clinical diagnosis:

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1 carried out the post-mortem has been to a protocol with
2 sampling from each organ, with necessary virology and
3 bacteriology testing, so even if he wasn't aware of the
4 thrust of the main concern of the clinicians, he has
5 taken the appropriate samples to address any of those
6 concerns down the line. So he has carried out a full
7 autopsy examination with the necessary specimens being
8 taken.
9 Q. I'll come to the autopsy request form in a moment, but
10 just so that we have these guidelines, now that you say
11 he's carried out a protocol autopsy, would you also --
12 which is in paragraph 7(b) of those same guidelines --
13 with this, that one of the tasks is to reconcile, as far
14 as possible, the major clinical problems with the
15 pathological findings?
16 DR GANNON: Yes, absolutely.
17 Q. Both of you would agree with that?
18 PROFESSOR LUCAS: Of course. That's why we're here.
19 Q. The practice guidelines are from "Necropsy: Time for
20 Action", that's 1996, and the reference for that is
21 236-007-077. It says there under "Necropsy
22 examination":
23 "Patient notes and consent forms should be studied
24 carefully, particularly in relation to clinical problems
25 and possible limitations placed on the examination by

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1 "Dehydration and hyponatraemia, cerebral oedema [it
2 looks] like leading to [the arrow pointing towards]
3 acute coning and brainstem death."
4 Over the next page, the list of clinical problems:
5 "Vomiting and diarrhoea, dehydration, hyponatraemia,
6 seizure and unresponsiveness leading to brainstem
7 death."
8 So now, if you're faced with that, Professor Lucas,
9 if I ask you first, what is the investigation that
10 you're going to be targeting at post-mortem?
11 PROFESSOR LUCAS: This is a superbly complete summary. In
12 fact, the whole hearing could be held over those two
13 pages. It's all there, isn't it?
14 Q. Then help us with that.
15 PROFESSOR LUCAS: So that gives the pathologist -- it tells
16 him or her what to do, to do it well, which is you do
17 a complete autopsy. I mean, there's no criticism about
18 the procedure of the autopsy in this case. I said that
19 in my report and I just reiterate it again. You do a
20 complete autopsy, take all the appropriate samples, and
21 then you think about it. At the moment you see this you
22 don't have to, at the time of opening the child and then
23 closing up, have made up your mind as to what happened.
24 That's not required. You need to, when you leave the
25 mortuary, make sure you have all the information, all

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1 the samples necessary to address all the questions there
2 are and maybe any others that weren't on those pages,
3 but those pages are quite enough.
4 Q. What are the questions and what is it that you say this
5 invites you to think about?
6 PROFESSOR LUCAS: The fact that you have, in no particular
7 order, hyponatraemia -- and it couldn't be more clearly
8 stated, it's not hinted at, it's stated there in words
9 and in numbers -- you have cerebral oedema, you have
10 coning as the mode of death and brainstem death,
11 you have vomiting, diarrhoea, dehydration. All these
12 things make you think about why this has happened, what
13 are the possible things. You may not know what the
14 connection is, you may not have heard at the time of
15 doing this autopsy of hyponatraemia and cerebral oedema.
16 That's not necessary. You've done the observations,
17 you've written the things down that are required, you've
18 got all the samples you need. It can then be sorted
19 out.
20 Q. Does the sorting mean trying to figure out what the
21 relationship is or how those particular clinical
22 problems arose and what the relationship is between
23 them? Is that what the thinking is?
24 PROFESSOR LUCAS: Yes.
25 Q. Dr Gannon, can you comment on that?

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1 you're given absolutely everything you need.
2 Q. And in the course of that thinking process, is that
3 something that you think would be assisted by
4 a discussion with the clinicians?
5 PROFESSOR LUCAS: Yes. In general.
6 Q. Why would you say that?
7 PROFESSOR LUCAS: Because no pathologist knows everything.
8 Q. Leaving aside that as a statement of the obvious because
9 nobody will claim to know everything, but why would you
10 be looking at wanting to talk to the clinicians?
11 THE CHAIRMAN: Your point is that, since you have some of
12 the knowledge and they have other parts of the
13 knowledge, you put the two together?
14 PROFESSOR LUCAS: Yes, it's all complementary. Just as
15 a personal observation, the first time I became aware of
16 hyponatraemia causing death by this means wasn't in
17 a child, it was an adult; I had not come across this
18 before, so I thought about it, I asked and I realised
19 that's what it was. I can't remember exactly how many
20 feeds in came, but there was a certain amount of
21 consultation going on.
22 MS ANYADIKE-DANES: So if the clinicians have identified it
23 and it's not something with which you're particularly
24 familiar, clearly the clinicians have identified it as
25 part of the problem, they have it as part of their

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1 DR GANNON: I would agree entirely with Professor Lucas,
2 that is a very detailed clinical summary. You wouldn't
3 necessarily have needed to know the sodium levels day by
4 day during the child's admission because it's there for
5 you on the paperwork.
6 Q. So does that not mean that, as one of the number of
7 things that you might be thinking about, you're going to
8 think about that fall in serum sodium level to something
9 that's hyponatraemic, you're going to think about the
10 fact that the clinical diagnosis included hyponatraemia
11 and that one of the problems identified is hyponatraemia
12 and think about how all that features in the ultimate
13 death, which, in this, is caused by coning from cerebral
14 oedema?
15 DR GANNON: Yes.
16 PROFESSOR LUCAS: Over a period of time. This is not urgent
17 in the sense "I must have the answer by tomorrow", or
18 anything like that.
19 Q. What you're saying is you have time to think?
20 PROFESSOR LUCAS: Yes, and you have time to go back to the
21 lab records in full day by day and look at all the
22 haemoglobins, the white counts and so on. The point I'm
23 making -- and Dr Gannon is agreeing -- is that you don't
24 need all that information upfront when you start an
25 autopsy with this sort of information in front of you;

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1 diagnosis, would you say that suggests that you should
2 be talking to the clinicians?
3 PROFESSOR LUCAS: It would, and also looking it up, see what
4 the books say.
5 Q. And Dr Gannon?
6 DR GANNON: Yes, I would agree. It's not a condition that
7 I have had autopsy experience of in the last 10 years.
8 It's not a very familiar condition. As Professor Lucas
9 said, carrying out the autopsy, you don't need the
10 in-depth detail on the clinical findings, but you do
11 need guidance from the clinician as to the main clinical
12 questions to be answered by the post-mortem. When you
13 come to formulate your final report, you would hope that
14 your commentary will comment on those questions and
15 answer the questions.
16 Q. So there might be two stages, I think from what you're
17 both saying, about discussing further with the
18 clinician? One might be to make sure that you
19 understand what you're starting off to do and, depending
20 on the case, you may not require that at all. You may
21 have enough to be able to go in and do the physical part
22 of your work, which is the actual autopsy, and to
23 collect the material from which the slides are going to
24 be made. That's one stage. When you get to the
25 thinking stage, which is now I've got all that material

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1 and I've looked and I can see what it shows, and I'm
2 trying now to see how I can assist in answering some of
3 these questions, that might be a stage where you would
4 benefit from the observations or comments of the
5 clinicians as to how the child presented in life?
6 PROFESSOR LUCAS: Yes.
7 DR GANNON: Yes.
8 Q. Or the details of the treatment that they provided and
9 what the response to that treatment was? Would that be
10 a fair way of categorising it?
11 DR GANNON: Yes. In our current practice, we would provide
12 a final report with a clinical commentary. If the case
13 is then discussed at a mortality meeting or there's any
14 further discussions and there's anything additional
15 added, we provide a supplementary report to bring
16 in that further information received.
17 Q. Yes. So Dr Gannon, there may be a time when you want to
18 have a discussion before even you provide your final
19 commentary? Alternatively, you might go as far as you
20 can on the autopsy, but recognising this is something
21 which is going to benefit particularly from
22 a clinicopathological correlation and so you'll be
23 wanting to discuss that further at an audit meeting or
24 mortality meeting?
25 DR GANNON: We do that frequently. A large part of my

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1 radiologist's opinion; the pathology of what's under the
2 microscope is the definitive diagnosis.
3 Q. But if you're trying to see how speedily was the onset
4 of that, if you have a radiologist's report, that gives
5 you certain information as to how the lungs appeared at
6 X-rays earlier; might that be helpful?
7 DR GANNON: No, it's irrelevant. There's a known lag
8 between the radiological appearance of disease processes
9 and the disease processes actually being there, and
10 particularly if you've got low-quality X-rays, as you
11 get in a portable X-ray, they're not always that
12 helpful.
13 Q. Professor Lucas, if you had appreciated that there were
14 earlier X-rays of the child's lungs, even if you didn't
15 want to look at them yourself personally, would you have
16 wanted to see a radiologist's report on them?
17 PROFESSOR LUCAS: Yes, and increasingly of course we do look
18 at them ourselves because they're all available
19 electronically online. But this wasn't the case here;
20 this would have been classed -- wouldn't it?
21 DR GANNON: Mm-hm.
22 Q. And if you would want to --
23 PROFESSOR LUCAS: Mainly, just to in a sense slightly
24 leapfrog, to work out the apparent -- well, the
25 cognitive dissonance between having a significant

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1 practice is looking at perinatal cases, foetal
2 abnormalities, so we have the scan result from the
3 clinician, then I do the post-mortem on the baby, and it
4 is only after discussion with my genetics colleagues
5 that we may reach a final diagnosis many, many months
6 down the line after we have done further investigations.
7 So an interim report goes out first and then we'll
8 provide a supplementary final report when all the other
9 information comes in. So it's not uncommon to have
10 a staged report being sent out like this.
11 Q. When you're in the sort of information-gathering mode,
12 if I can put it that way, if you had appreciated that
13 there were X-rays taken of the child in life, say one
14 at the treating hospital, as was the case here, there
15 was an X-ray taken when she was in intensive care at the
16 Erne, and another the actual day of her death in PICU,
17 if you had known that and you're looking at your
18 histology and thinking about bronchopneumonia, would
19 you have wanted to look at those X-rays?
20 DR GANNON: Not personally because I'm not a radiologist.
21 I might have wanted to see a report, but frankly the
22 pathologist has the lungs in front of him and he's
23 dissecting them and he is looking at the lung tissue
24 under the microscope and that's the definitive
25 diagnosis, it's not the X-ray report, it's not the

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1 bronchopneumonia, which is undoubtedly there, although
2 I didn't see the slides, and the fact that the child
3 didn't appear to have any chest problems at all until
4 the final collapse. This would tickle one's interest as
5 to why there's an apparent discrepancy.
6 Q. So for you, there are instances where it is significant
7 to look at the X-rays?
8 PROFESSOR LUCAS: Yes. Sorry, I say a firm yes.
9 Q. Would this have been one of them, this case?
10 PROFESSOR LUCAS: In retrospect, yes.
11 Q. Thank you.
12 PROFESSOR LUCAS: Just to make that point, at the time of
13 doing the autopsy, there's no particular reason to want
14 to look at the X-rays and it's not until you get the
15 histology slides, one might think "Oh, I wonder what
16 they did show".
17 Q. But you, I think, have described this as a process where
18 you're gathering information and sometimes what you see
19 indicates to you that you need to have certain other
20 information or to look at other things and so it's
21 a process?
22 PROFESSOR LUCAS: It's a process, it's an ongoing process.
23 Q. Thank you. If we now go to the histology and the
24 evidence. Dr Gannon, in your witness statement, 281/2,
25 page 2, you say:

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1 "I reached the conclusion that the pathological
2 diagnoses present at the time of death were
3 bronchopneumonia in the lungs and cerebral oedema of the
4 brain. Both of these disease processes are readily
5 identifiable on inspection of the histological sections
6 of the lung and brain tissue made at the time of the
7 autopsy."

8 And you say that Dr O'Hara appears to have made an
9 extensive search for the presence of gastroenteritis,
10 and then you go on to say that:

11 "[He] reached the conclusion that he couldn't see
12 any structural injury to the bowel lining, but that
13 wasn't unexpected."

14 In other words, am I reading you to say that just
15 because he couldn't see that, that doesn't mean there
16 wasn't any presence of gastroenteritis?

17 DR GANNON: Yes.

18 Q. You go on to say:

19 "[You agreed] with Dr O'Hara's written comment that
20 cerebral oedema is the terminal event in several
21 different disease processes. Bronchopneumonia is
22 a cause of hypoxia, which can cause cerebral oedema.
23 It's not possible histologically to determine what
24 proportion of the cerebral oedema was caused by the
25 bronchopneumonia, if any, and what proportion was caused

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1 investigations that he did. So this is without any
2 further investigations; it's just basically how heavy
3 were the lungs, how heavy was the brain, what was the
4 obvious disease process that he could see at the time on
5 a naked-eye inspection.

6 Q. I see. Thank you. Professor Lucas, would that be
7 common that that's what that would be?

8 PROFESSOR LUCAS: Dr Gannon's right. This is basically
9 a distillation of the autopsy report as it was being
10 drafted. I have to confess to a slight fault in -- I'm
11 talking about national guidelines. In 2002 I chaired
12 the autopsy guidelines for autopsy practice for the
13 College and we put in that it was a good thing to
14 produce a provisional report and then a final one when
15 everything was in. We actually very rapidly realised
16 this was a pretty silly thing to say actually and our
17 personal practice is you don't produce provisional
18 reports because you're not quite sure who's going to
19 read them and what weight they'll place on them and
20 whether they'll realise they're only provisional and not
21 final. There may be national variations, but that's my
22 view.

23 DR GANNON: If I can expand on that? Dr O'Hara's workload
24 at the time would have been principally perinatal
25 deaths, stillbirths and miscarriages and, in those

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1 by other disease processes."

2 You then say something that you've already told the
3 chairman, which is that if it were left to you, you may
4 have placed bronchopneumonia in part 2 of the
5 formulation of the cause of death.

6 So perhaps if we look at the actual reports that we
7 have of Dr O'Hara so that we see what we're dealing
8 with. The very first document from him is the
9 provisional anatomical summary. That's 013-017-061. We
10 see there that you have at 3:

11 "Relatively little congestion, patchy pulmonary
12 congestion, pulmonary oedema. Swollen brain with
13 generalised oedema."

14 Can I just be clear: is it the case, Dr Gannon, that
15 whatever histology is taken and prepared is unlikely to
16 have produced a response by 17 April or could it have?

17 DR GANNON: The way that Dr O'Hara produced his reports, the
18 provisional anatomical summary is based on his naked-eye
19 findings at the time of the autopsy. So this would be
20 without any further investigations such as histology or
21 the results of bacteriology or virology; this is purely
22 based on his naked-eye findings at the time of the
23 post-mortem. So the provisional anatomical summary is
24 basically just a list of what he found.

25 The final report includes all the other tests and

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1 cases, a list of the anatomical abnormalities seen in a
2 child with abnormalities, placental infection or
3 placental abruption, that would have been relevant. So
4 he was always in the practice of providing a provisional
5 report because of the case load that he had.

6 We have very few infant deaths or child deaths to
7 deal with, so the same procedure is carried out,
8 provision and then a final. But I'd agree with
9 Professor Lucas, that if the clinician mistakes that for
10 your final report then it could cause problems, but
11 certainly in the miscarriage, stillbirth and perinatal
12 deaths arena of his work, provisional reports are
13 extremely valuable at times.

14 PROFESSOR LUCAS: I accept that in that context. I was
15 particularly thinking of coronial cases where producing
16 a provisional report can cause chaos.

17 DR GANNON: Yes, we don't produce provisional reports for
18 coronial cases.

19 Q. Let's go to what was the final report of the consent
20 phase, if I can call it that. That's 013-017-054.
21 If we look just there at the final anatomical summary,
22 you can see the history of:

23 "Vomiting, diarrhoeal illness with dehydration and
24 drowsiness."

25 If I pause there, does it surprise either of you

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1 that there is no reference to hyponatraemia? In fact
2 there wasn't in the previous one. But this being the
3 final one, does that surprise you that that isn't just
4 recorded as a matter of record since it's in the autopsy
5 request form?
6 DR GANNON: I think if it was listed as one of the main
7 problems, the 1 on 4 on the clinical request form, my
8 personal approach would have been to take each one of
9 those clinical questions and answer them. So it is
10 a little bit -- there could have been more detail in
11 there.
12 PROFESSOR LUCAS: No, I'm leaping to Dr O'Hara's defence.
13 The hyponatraemia is clearly here in this report
14 of June 2000, just look at the third page.
15 Q. Sorry, I'm just dealing with, at the moment, the final
16 anatomical summary; would you have --
17 PROFESSOR LUCAS: But the point is the anatomical summary is
18 pathological observations. We can't see hyponatraemia,
19 so you don't put it in as an anatomical summary.
20 Q. So it is quite proper for it not to be in there?
21 PROFESSOR LUCAS: Quite right.
22 Q. Thank you.
23 DR GANNON: He could have put it into part 1, saying
24 "history of" and then --
25 PROFESSOR LUCAS: But the history's on the next page but

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1 Q. If they are going to be there, would you have expected
2 to see hyponatraemia to complete the picture of what you
3 were being told?
4 PROFESSOR LUCAS: The point is two pages later, it's there.
5 So the fact it was omitted on the first two lines --
6 well, it's not been omitted from the report.
7 Q. Thank you.
8 DR GANNON: The report comprises nine pages, and all of that
9 gets sent to the clinician, so it's all available to the
10 clinician at the time, so it's not just -- if it's not
11 recorded in the first line, it is recorded elsewhere
12 in the report.
13 Q. Yes. So then if we get to item 4, which -- in fact
14 probably item 3 is the first of your pathological
15 findings, isn't it?
16 PROFESSOR LUCAS: Yes.
17 Q. The "relatively little congestion", which is something
18 that Dr O'Hara had identified in his provisional one.
19 Then we have the "extensive bilateral bronchopneumonia",
20 which is one that's an addition because that's not found
21 in the provisional anatomical summary.
22 DR GANNON: But that's a histological diagnosis.
23 Q. Exactly. That's what I was asking about. So that's the
24 second of the findings, and a particular finding that he
25 made having examined the histology; that's correct?

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1 one.
2 DR GANNON: It's just a difference in working practice. I
3 know that my forensic pathology colleagues do not use
4 the clinical history as part of their final report
5 because, to them, that's hearsay evidence. And they
6 just base it purely on their pathological findings. So
7 it's different working practice in different
8 professional groupings.
9 Q. Thank you. Just so that I understand the point that
10 you've made, Professor Lucas, can you see -- that first
11 line actually is a recitation of the history. It's not
12 a description of the findings.
13 PROFESSOR LUCAS: Yes, so in fact --
14 Q. If you bear with me a moment.
15 It gives you the history of:
16 "Acute 24 to 36-hour history of vomiting and
17 diarrhoeal illness [which are not going to see on your
18 pathological finding] with dehydration and drowsiness."
19 That is why I was asking: if you were going to try
20 and encapsulate the history that you had been given,
21 would you have expected to see hyponatraemia there?
22 PROFESSOR LUCAS: No. I mean, you're right, final
23 anatomical summary, in fact the first two bullet points
24 probably shouldn't be there because they're not
25 anatomical summary; only points 3, 4 and 5 and 6 --

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1 DR GANNON: Yes.
2 Q. And Professor Lucas, you haven't seen that, so you're in
3 no position to comment, but you assume, since two
4 pathologists have seen it, that that's present in the
5 histological findings?
6 PROFESSOR LUCAS: Yes.
7 Q. Then we've got the "swollen brain with generalised
8 oedema", which is also there, and item 6, which is also
9 there. And then if we go to the final commentary and we
10 look at the second page, we're looking at a version
11 that is unsigned and dated. For the reference we do,
12 of course, have one that is; it's 142-001-002, but it is
13 the same material. So there you see that:
14 "The autopsy also revealed an extensive
15 bronchopneumonia. This was well-developed and
16 well-established and certainly gives the impression of
17 having been present for some 24 hours at least."
18 If we pause there. If I can ask you,
19 Professor Lucas, if that had been seen, would the
20 following references to the presentation of Lucy have
21 surprised you from her notes and records? So I'm just
22 going to identify what is there. The first is the
23 examination at 19.30 or 7.30 pm, on the 12th when she
24 was first admitted. I'll give you the reference, but we
25 don't need to pull it up. It's 027-010-022 and it

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1 simply says, "Chest clear". So she has come in at 7.30
2 in the evening on the 12th and the chest is clear.

3 Dr O'Hara is looking at her at some point,
4 presumably later in the afternoon of the 14th. Then
5 there is a note from Dr O'Donohoe at 5 o'clock on the
6 13th. That's also in her notes and records. The
7 reference for that is 027-010-023. It says, "CXR [chest
8 X-ray], NAD", presumably "no abnormalities detected".
9 So that is also recorded in her notes. It's included
10 also in the transfer letter that goes with Lucy to the
11 hospital. Then when she is admitted to the
12 Children's Hospital, the notes there indicate there were
13 no abnormal respiratory findings. And one sees that,
14 although we don't need to pull it up, at 061-018-059.

15 That would have been an examination carried out by
16 Dr McLoughlin in the morning of the 13th at about 8.30.
17 Then, at about 10.30, Dr Hanrahan sees her and he
18 describes her as "cold on admission". That's
19 061-018-062.

20 Then there are two X-rays. There's a radiologist's
21 report, which is dated 14 April -- so this is the second
22 of the X-rays, the first having been at the Erne -- and
23 in that radiologist's report, 061-036-118, we can just
24 see it there at the bottom:

25 "There is interstitial oedema."

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1 This child was not. No one quite evidently thought
2 there was any bacterial infective component going on
3 here. I think that's quite interesting.

4 Q. What do you therefore conclude, if you're able to
5 conclude anything, about the likely cause of what you
6 would be seeing on the histology in terms of the
7 bronchopneumonia from that account of the child's
8 presentation and what's recorded --

9 PROFESSOR LUCAS: It would say to me that the infection
10 in the chest, which is undoubtedly there, or the
11 inflammation in the chest is undoubtedly there, came on
12 pretty quickly before death. I accept that, by case
13 definition, this can't be ventilator-associated
14 pneumonia by the standard counts of how long you have to
15 be in intensive care and be mechanically intubated
16 because that doesn't quite pertain here. But in fact
17 some of the references to VAP which you might want to
18 come on to do say it can actually start earlier, and of
19 course it does start earlier, but these are clinical
20 case definitions not pathological ones.

21 I do note -- and it is perhaps worth reading a
22 little bit more of Dr O'Hara's summary there -- he says:

23 "It could have been there when she came into
24 hospital, but equally could have been induced at the
25 time of seizure and collapse."

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1 That's all it says there. There is a nursing note
2 that describes the chest X-ray as being "a little hazy".
3 Then, throughout the notes, no clinician appears to have
4 considered there to be any possible diagnosis
5 in relation to bronchopneumonia apart from, of course,
6 when Dr O'Hara performed the autopsy.

7 So Professor Lucas, you're being told that there is
8 evidence of a bronchopneumonia, which may well have been
9 present for 24 hours or more. What would you be
10 expecting to see recorded in the medical notes and
11 records if that were the case?

12 PROFESSOR LUCAS: Well, more things relating to chest
13 infection.

14 Q. For example?

15 PROFESSOR LUCAS: Respiratory rate, auscultation findings --

16 Q. Sorry?

17 PROFESSOR LUCAS: Stethoscope stuff. And the poor child
18 being very short of breath, with dyspnoea, as we put it
19 in Greek. And also the interesting point is the kid
20 wasn't put on antibiotics as far as I can tell.

21 Q. Why's that?

22 PROFESSOR LUCAS: Given what happens in standard medical
23 practice, if there's any possibility of an infection,
24 antibiotics are put in as soon as possible because
25 you have to by protocol, otherwise you get criticised.

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1 He says that there.

2 Q. Yes, he does. Bear with me one moment. We see it if we
3 go to 013-017-055.

4 PROFESSOR LUCAS: That's right.

5 Q. If you can see where it says:

6 "The pneumonia could be possibly prior to the
7 original disease presentation, but equally could have
8 been induced during the time of seizure and collapse."

9 If that's possible, that latter option, then does
10 that not mean that it would not have been involved as
11 cause of the cerebral oedema and her death?

12 PROFESSOR LUCAS: In my view, that is correct.

13 Q. Dr Gannon?

14 DR GANNON: Oh yes, yes, I agree. The pneumonia is
15 undoubtedly present, but it's not possible as
16 a pathologist to say when it started. Both options are
17 equally possible. At the time the child was admitted to
18 the Erne Hospital, I do believe her respiratory rate was
19 increased, which could be a sign of pneumonia. It could
20 equally be a sign of her electrolyte imbalance and her
21 dehydration. So it's very difficult to state exactly
22 when this child developed pneumonia with any degree of
23 certainty, but it is a possibility.

24 Q. In terms of what Professor Lucas had said about one of
25 the suggestions from Dr O'Hara that she might actually

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1 have presented at hospital with the pneumonia. If you
2 give me one moment, I will take you to where he suggests
3 that. It's a letter that he writes to the coroner
4 013-053f-296. Leaving aside the incorrect reference to
5 the hospital, you can see at the bottom:

6 "I would feel there is reasonable evidence to infer
7 that the bronchopneumonia was probably developing at the
8 time of the child's initial presentation."

9 So firstly, do you think there's any evidence to be
10 able to help you reach a conclusion that the
11 bronchopneumonia was probably developing at the time of
12 Lucy's admission to hospital?

13 DR GANNON: I don't think there's any evidence for or
14 against that. I think both are equally possible. I'm
15 aware that whenever Dr O'Hara was asked to provide this
16 reference, there were some papers in the file that had
17 indicated that he'd been looking up some references
18 online, and I think he seems to be considering could the
19 hypoxia caused by bronchopneumonia have contributed
20 towards the cerebral oedema. There is also a recognised
21 association between bronchopneumonia and syndrome of
22 inappropriate ADH secretion. Bronchopneumonia is the
23 commonest cause of syndrome of inappropriate ADH
24 secretion. That is a possibility.

25 Q. Sorry, just so we get the timing right. Because

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1 were going to do. So if we can focus on that one first
2 of all.

3 So where we were was at 013-017-055. At this stage
4 of the commentary part of his report, Dr O'Hara is
5 indicating that what he has seen is an:

6 "... extensive bronchopneumonia, which was well
7 developed."

8 And which he thinks, given what he sees, could have
9 been present for some 24 hours at least, and what I had
10 invited Professor Lucas to help us with is: if that were
11 the case, what would he have expected to see recorded,
12 how would he have expected the child to present, and he
13 did seem to indicate that you might see some observable
14 signs if a child had that condition because that would
15 take you into fairly shortly after she was admitted.
16 Do you agree with that or not, Dr Gannon?

17 DR GANNON: To some extent, you might, but you also might
18 not. My workload is looking at sudden infant deaths
19 in the community. That's a substantial part of my work
20 and we regularly have cases where an infant has died
21 suddenly and unexpectedly that had no significant signs
22 of any disease, may have been a bit off their food or
23 a little bit, crying a little bit more than usual, but
24 had no specific symptoms, and then the child suddenly
25 dies and we find bronchopneumonia.

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1 Dr O'Hara looks at Lucy's case on at least two
2 occasions. One is in 2000, which culminates in the
3 production of the final consent autopsy process for him.
4 The other is in 2003 when the coroner asks him to review
5 it as a report for an inquest. What you have seen in
6 the file, is that indicating that those papers were
7 being accessed in order to help him with his 2000 report
8 or to help him with his 2003 report?

9 DR GANNON: Having seen the computer print outs, the date is
10 2003, so I believe he must have accessed those to help
11 him formulate his second commentary or help him
12 formulate the second commentary, the one that was sent
13 off to the coroner. I think the first commentary is
14 non-specific. The second commentary -- so the one for
15 the hospital is relatively non-specific. The second
16 commentary to the coroner, I think he's trying to
17 indicate that there are other mechanisms of cerebral
18 oedema which could be present in this child and, as
19 a pathologist, he can't say which one was responsible
20 for the --

21 Q. I see that. I am actually wanting to focus at the
22 moment on the first one that the clinicians at the
23 Children's Hospital received and, in due course, those
24 at the Erne received, and that would have affected or
25 might have affected people's thinking as to what they

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1 In my experience, these very small infants sometimes
2 do not present with what we consider to be respiratory
3 symptoms, you may just get diarrhoea as a symptom in
4 bronchopneumonia. It is not uncommon and it's not
5 unrecognised. So whilst you may expect that a lung
6 infection would present with lung symptoms, it's not
7 necessarily the case.

8 Q. Then if you're thinking you've got something relevant
9 here in terms of contribution to the child's death, but
10 you're not entirely sure how long it might have been
11 present, you're not entirely sure actually whether it is
12 causative of her cerebral oedema or not, because all
13 these uncertainties are expressed in that commentary by
14 Dr O'Hara. To go back to the point that I had been
15 raising with you before: does that not suggest that this
16 is now a time that I might want to discuss with the
17 clinicians to see what they observed of her or,
18 if I haven't already got access to her medical notes and
19 records, have a look at her medical notes and records to
20 see if there's anything there that can help me refine
21 that view that I'm expressing there?

22 DR GANNON: I accept that, yes, but Dr O'Hara's report is
23 principally a pathology report. There isn't an awful
24 lot of clinical information in there in that he is just
25 expressing what he has seen pathologically. So the

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1 bronchopneumonia, he's seen that pathologically, the
2 cerebral oedema he's seen that, and the acute hypoxic
3 injury in the brain, he has seen that. Hyponatraemia is
4 not a condition that a pathologist can diagnose on their
5 own. We cannot see sodium ions down a microscope. It's
6 not something that we can diagnose. We need clinical
7 input to diagnose that. Dr O'Hara had a phrase, "This
8 is a starter for ten". So this may have been his
9 starting point and there may have been subsequent
10 discussions with the clinicians about what all this
11 means that he hasn't recorded. I've not been privy to
12 any of those so I don't know, but --
13 Q. If he had had those discussions, do you think that's
14 something that should have been recorded?
15 DR GANNON: Possibly, yes. Certainly we would do it
16 nowadays. Any further discussions with the clinicians,
17 any substantive discussions that change your opinion or
18 add to your opinion, we would record as a supplementary
19 report.
20 Q. When I put before --
21 THE CHAIRMAN: Sorry, doctor what you have just said over
22 the last few minutes seems to emphasise the importance
23 of some follow-up discussions between the clinicians and
24 the pathologists.
25 DR GANNON: Very much so, yes.

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1 Thank you very much.
2 THE CHAIRMAN: We'll take a break for the stenographer for
3 a few minutes.
4 Mr Stitt, are you here to tidy up Altnagelvin from
5 yesterday?
6 MR STITT: Partly, sir. I'm awaiting some further
7 information and perhaps, at the luncheon interval, I can
8 address you on it.
9 THE CHAIRMAN: I'll continue then with the witnesses after
10 the break.
11 (12.00 pm)
12 (A short break)
13 (12.22 pm)
14 THE CHAIRMAN: Just to tell everyone, rather than break at
15 1 o'clock or thereabouts for lunch, we're hoping to
16 press on through to finish the evidence of the two
17 witnesses. I think we've got more than halfway through.
18 Let's see what we can do.
19 MS ANYADIKE-DANES: What we were dealing with, just
20 immediately before the break, was the evidence of the
21 bronchopneumonia and the implications of that. What
22 I want to now move on to is the other alternative that
23 was canvassed by Dr O'Hara, which was the hyponatraemia.
24 Dr Gannon, in your second witness statement for the
25 inquiry, 281/2, page 3, you make the point that you had

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1 THE CHAIRMAN: The evidence isn't perfect, but on the
2 evidence we have, that doesn't appear to have happened.
3 DR GANNON: It doesn't seem to have. Dr O'Hara, I think,
4 had worked in the Royal Victoria Hospital for 30 years
5 or more. He would have had a very close working
6 relationship with the clinicians. There may well have
7 been informal meetings or informal discussions, but
8 there's no record of that. Nowadays everything is far
9 more formalised, mortality meetings are minuted, we
10 provide secondary or second reports, supplementary
11 reports if required. That maybe didn't go on back then.
12 THE CHAIRMAN: I know that from the first death that we're
13 looking at in this inquiry, the death of Adam Strain in
14 1995, the consultant nephrologist was sufficiently
15 concerned about what had happened that he went to the
16 post-mortem because he wanted to engage with the
17 pathologist. So it wasn't unknown in the Royal in the
18 mid-1990s. Five years earlier, there were exchanges.
19 DR GANNON: As a trainee in the Royal, we performed far more
20 autopsies than are now performed, and we frequently had
21 clinical staff coming down to observe the autopsy or to
22 discuss the findings. It was a relatively common thing.
23 THE CHAIRMAN: Thank you. We need to take a break at some
24 point soon. Is this a good point or not?
25 MS ANYADIKE-DANES: It probably is, actually, Mr Chairman.

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1 just mentioned to the chairman earlier, which is
2 dilutional hyponatraemia is a diagnosis that cannot be
3 made by a histopathologist alone. You then go on to say
4 that:
5 "Cerebral oedema is a descriptive term to describe
6 the appearance of excess of water accumulating within
7 the brain tissue."
8 And you go on to talk about processes or at least
9 how that can occur. Then ultimately, you conclude that:
10 "This is a diagnosis reached by a
11 clinicopathological correlation. Clinicopathological
12 correlation is an objective summary and correlation of
13 the clinical findings in a particular case with the
14 gross and microscopic findings and with the results of
15 other studies performed at autopsy."
16 Professor Lucas -- and we can pull this up, it's
17 252-004-001 -- the point that you're making is, and I'll
18 read it out --
19 PROFESSOR LUCAS: Is this in my report?
20 Q. Yes:
21 "The point is that in 2000, at the time of first
22 preparing the pathological cause of death, the cerebral
23 damage is attributed solely to the lung infection.
24 However, bronchopneumonia does not produce cerebral
25 oedema in the cadence presented clinically here. That,

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1 plus the known hyponatraemia, could and should have
2 prompted consideration of another cause of the cerebral
3 oedema."

4 So can you explain, therefore, what prominence or
5 otherwise you think that bronchopneumonia should have
6 been given in Dr O'Hara's report?

7 PROFESSOR LUCAS: Well, it's obviously present.

8 Q. Yes.

9 PROFESSOR LUCAS: It probably didn't expedite the death.

10 It would only expedite the death if in fact it was
11 beyond all reasonable doubt, so to speak, that it caused
12 the collapse, the seizure. Let us get the chronology
13 right. At the time she had a seizure, at around 3 am on
14 13 April, she is effectively dying, so that is the
15 moment when death starts. The rest is kind of dealing
16 with that. And the crucial question is: could the
17 bronchopneumonia have caused that seizure?

18 Q. You mean could there have been sufficient
19 bronchopneumonia to have caused that seizure?

20 PROFESSOR LUCAS: Yes, that's right. My opinion from
21 reading the clinical stuff and from reading all the
22 information is no. So you then say, well, if you
23 take --

24 Q. Sorry. If I can pause you there and maybe you could
25 help us with this because I'm not sure we've looked at

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1 would you have understood that would have been?

2 PROFESSOR LUCAS: There are two choices here, let's be
3 clear, or three choices. One is dehydration so severe
4 that it caused brain shutdown, the Curtis hypothesis,
5 which we all agree is not reasonable here. Secondly,
6 overwhelming chest infection to produce respiratory
7 arrest, which leads to brain death, hypoxic ischaemic
8 encephalopathy, which is a possibility, but I don't
9 think it happened here, the evidence we have doesn't
10 really support that. Thirdly is something else,
11 something completely different, causing brain swelling
12 and finally coning, ie very severe brain swelling. Mild
13 brain swelling is common. No, it happens in many
14 circumstances. Severe brain swelling like this to cause
15 death is not so common. One looks around for causes and
16 it's actually printed in front of one.

17 Q. Which is?

18 PROFESSOR LUCAS: Hyponatraemia. This is an association
19 that is recognised.

20 Q. So if you had been providing that commentary, do
21 I understand you to say that you would have mentioned
22 the bronchopneumonia because you have found it?

23 PROFESSOR LUCAS: Yes.

24 Q. And you would have expressed your views about its
25 significance and role?

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1 it in that way so far. And that is when Dr O'Hara is
2 examining the lungs, the histology, he's examining
3 whatever was Lucy's position as at the afternoon of the
4 14th.

5 PROFESSOR LUCAS: Yes, essentially 24 hours after Lucy
6 started dying.

7 Q. The point you're making is that you really need to try
8 and get a view on what was the likely state of her lungs
9 at the time of her collapse, 3 o'clock in the morning of
10 the 13th, to try and see whether that was likely to be
11 sufficiently severe to have brought about that collapse?

12 PROFESSOR LUCAS: Yes. This is absolutely standard post-ITU
13 care death analysis. What is important is not
14 necessarily what they had when they come to autopsy,
15 which here is a day later, which is good. Had she lived
16 for another two weeks, this would have been a mess. You
17 probably wouldn't have got to the bottom of it at all
18 from any pathology at all; it would all have been done
19 inferentially by other means. We see this in many cases
20 and the crucial question is: why did she collapse when
21 she did? That's the main thing that one's job is to try
22 and address.

23 Q. What would you have understood from all the material
24 that was available, whether it be in the medical notes
25 and records, or whether it's in the histology, what

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1 PROFESSOR LUCAS: Yes.

2 Q. And then you would have gone on to discuss the
3 hyponatraemia?

4 PROFESSOR LUCAS: Yes, essentially. And if you asked the
5 question, "Would I have put it in a cause of death
6 sequence?", I'm not sure. The only reason is, being
7 purely cautious, if you give the ONS that sort of cause
8 of death they might take that more seriously than it
9 warranted. A strange thing to happen, but that's
10 the statistical bit.

11 Q. Then if I ask you, Dr Gannon, before the break you were
12 saying that your own approach to these things, when
13 I was asking about gathering in the material and making
14 sure you understood what the issues were that you were
15 going to particularly have in mind when you conducted
16 the post-mortem, you said your approach would be you
17 take those clinical problems that have been identified
18 for you on the autopsy request form and effectively you
19 work through them in terms of what you can see and what
20 you can conclude from other information you have and
21 your findings. Is that fairly summarising your
22 approach?

23 DR GANNON: That's correct. I tend to use rhetorical
24 questions in my commentaries on occasion. If I haven't
25 been given sufficient clinical information -- "Did

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1 the mother have symptoms of intra-amniotic infection?"
2 If I haven't been given the information that I require
3 and I'm not able to obtain it, we would take cases from
4 all over Northern Ireland and communication between the
5 clinicians is quite difficult in distant hospitals
6 sometimes. So I would use rhetorical questions and, if
7 they come back to me and say, "This is further
8 information", then I would send out a supplemental
9 report based on that.
10 Q. And factor that into a revised view if necessary?
11 DR GANNON: Yes.
12 Q. So then if that's your approach, and just for ease of
13 reference for you, if we pull up 061-022-073 and have
14 alongside it 075, the questions that you're going to ask
15 yourself, do they revolve around the clinical diagnosis
16 and the list of clinical problems?
17 DR GANNON: They would tend to. Hyponatraemia, as I said in
18 my statement, is not a pathological diagnosis. It would
19 require more involvement from the clinicians for me.
20 I step back from this a little bit. I don't think, in
21 a consented case, it's the pathologist's responsibility
22 to formulate the cause of death. It's the clinician's
23 responsibility with the pathologist assisting that.
24 Q. Yes.
25 DR GANNON: The pathological findings are cerebral oedema.

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1 report that -- and I'm going to ask this of both of
2 you -- Dr O'Hara produced in June 2000 answered, insofar
3 as it could, the questions that the clinicians had?
4 DR GANNON: It doesn't address the entirety of the clinical
5 questions. Hyponatraemia is present in 30 per cent of
6 hospital inpatients. It is the commonest electrolyte
7 imbalance in hospital patients. The weighting that
8 Dr O'Hara would give to hyponatraemia depends on the
9 severity of the hyponatraemia. It would depend on the
10 clinicians pointing him in that direction.
11 Hyponatraemia on its own may or may not be a significant
12 feature in the clinical presentation, whether it's mild,
13 it may be irrelevant; if it's very severe, it's
14 obviously causative. It is not up to the pathologist
15 based just on hyponatraemia to say that that was the
16 only cause of cerebral oedema in this case. It requires
17 clinical input.
18 Q. Yes, I hadn't framed my question quite in that way.
19 I had said: if you consider these to be the queries that
20 the clinicians have, hyponatraemia is mentioned twice
21 and the sodium levels are given, although you don't know
22 how speedily she declined from 136 to 126, which might
23 turn out to be something relevant to ask about. But in
24 any event, you don't know that, but they've gone to the
25 trouble of identifying hyponatraemia twice. So

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1 It's then up to the pathologist to find a cause of
2 cerebral oedema. If there isn't a physical cause that
3 the pathologist can recognise, such as a tumour or brain
4 haemorrhage or meningitis, then you have to consider
5 other causes. That's the way I would have approached
6 this.
7 Q. If we start in that way, and the pathological finding
8 and indeed what was considered to be the immediately
9 proximate cause of death, which was coning resulting
10 from a fatal cerebral oedema, so if we take that, and if
11 you say what I'm, as a pathologist, trying to find out
12 is how and why did that, the problems that the
13 clinicians have identified -- so someone might interpret
14 that as some of the things in their mind as possibly
15 leading to the child's condition and demise are listed
16 under those four things, I don't quite now how they all
17 fit in, but that's some of what's in their mind. You
18 might interpret it that way. So if you're going to
19 express a view, do you then take that and see what, if
20 any of that, can I explain for them in the context of
21 the cerebral oedema, some of which you won't be able to
22 because either you don't find it or it's not the sort of
23 thing that's amenable or susceptible to your kind of
24 investigation, but in any event are you looking at those
25 problems? If that were the case, would you say that the

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1 presumably they don't think that it's of the sort that's
2 so de minimis in the scheme of things that it's not
3 worth mentioning really. So the question I was putting
4 to you is: insofar as it can be done, do you think that
5 Dr O'Hara's June 2000 report addressed the questions and
6 concerns that the clinicians were raising?
7 DR GANNON: It could have been more descriptive. However,
8 the clinicians could have been more definitive in their
9 concerns, they could have said, "The cerebral oedema,
10 was it caused by hyponatraemia?", in which case the
11 pathologist would have put more weighting on that. As
12 I said, hyponatraemia is common in hospital inpatients.
13 Q. So this comes back -- I'm going to ask Professor Lucas
14 the same point. Maybe I'll ask him that now before
15 I ask you anything further. So far as you're concerned,
16 Professor Lucas, and you describe this as a very good
17 autopsy request form, do you think that
18 Dr O'Hara's June 2000 report adequately addressed the
19 concerns that clinicians were expressing in the autopsy
20 request form?
21 PROFESSOR LUCAS: No. As it is, it does not.
22 Q. It doesn't?
23 PROFESSOR LUCAS: No, it doesn't.
24 Q. Why is that?
25 PROFESSOR LUCAS: Because it doesn't address the severe

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1 cerebral oedema, the coning, ie very severe cerebral
2 oedema. It doesn't link in with the history of
3 diarrhoea and vomiting, which is why the child presented
4 originally, and so on. It doesn't address the acute
5 process, what happened in the early morning of 3 April.
6 It may well be -- I'm sure you're going to ask, but
7 we'll both say this -- that he was expecting the
8 clinicians to say, "Yes, let's talk about it and see
9 where we can go", but from the fact of what's written
10 down here it does not address those issues.
11 Q. Yes. That's exactly where I'm going to go because both
12 of you have talked about the significance of
13 clinicopathological correlation, and I think I have
14 understood you, Dr Gannon, to say that, based on the
15 problems that were presented here and what you see or
16 saw Dr O'Hara as able to produce, that this would have
17 been a case which would have benefited from precisely
18 that kind of exchange?
19 DR GANNON: Very much so, yes.
20 Q. Would you agree with that?
21 PROFESSOR LUCAS: Agreed.
22 Q. Thank you. Just so that we have it, the inquiry's
23 expert Dr MacFaul, who is a consultant paediatrician and
24 who was also providing expertise on governance issues to
25 the inquiry, he summarised what he thought were

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1 Q. And Dr Gannon?
2 DR GANNON: Yes, on the basis that Dr O'Hara's report
3 appears to be more or less purely pathological findings
4 rather than looking at the clinical aspects of the case.
5 Q. Yes. And then the other comment he makes is that:
6 "[He] overemphasised the bronchopneumonia, which was
7 not a clinical feature on admission at the
8 Erne Hospital."
9 There is a slightly different reference for that.
10 250-003-142. Professor Lucas?
11 PROFESSOR LUCAS: Yes.
12 DR GANNON: I would disagree with that. There is
13 bronchopneumonia present. Whether it was seen on the
14 X-ray, whether it was clinically diagnosable is
15 irrelevant. It is there as a pathological finding.
16 I don't think Dr O'Hara's report specifically says "This
17 child died of bronchopneumonia", but it is a significant
18 disease process.
19 Q. He also points to something else, and Dr Gannon, you may
20 be able to help us with this. He said that the
21 Children's Hospital guidelines -- and these I think are
22 the Paediatric Medical Guidelines -- state:
23 "If an autopsy is requested by a paediatric
24 neurologist [which Doctor Hanrahan was] then the autopsy
25 is generally carried out by a neuropathologist."

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1 difficulties with Dr O'Hara's report. They come from
2 his report, we don't have to pull it up, but they come
3 from his report at 250-003-007. If I just identify some
4 of them for you and if you can express a view from your
5 point of view as the pathologists -- he's speaking from
6 the clinician side of it -- whether you think these are
7 fair comments.
8 The first is that:
9 "The report did not identify the cause of cerebral
10 oedema satisfactorily."
11 And I think that's a point Professor Lucas, that
12 you have made. Would you accept that, Dr Gannon?
13 DR GANNON: Yes. He has stated that it is a pathological
14 finding but he hasn't gone into detail about what he
15 thinks has caused that.
16 Q. Yes. Then he says:
17 "[He] did not engage with the question of whether
18 hyponatraemia contributed to the cause of death,
19 although the clinical diagnosis refers to hyponatraemia
20 and was documented within the report."
21 We don't need to go to it, but I was going to give
22 you the reference, but it carries on from where we were
23 before. So that's another comment. And I think from
24 what you said, Professor Lucas, you would accept that?
25 PROFESSOR LUCAS: Yes.

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1 Do you have any experience of that?
2 DR GANNON: The neuropathologists work in the same
3 department that we're in. It's very much teamwork.
4 We would often do a double-doctor approach with
5 neuropathologists and paediatric pathologists, depending
6 on the case. It is quite a fluid organisation that we
7 call in the pathologists that we need to assist us with
8 the autopsy. So Dr O'Hara may have got the help of
9 a neuropathologist when he was looking at the
10 histological sections of the brain. He hasn't recorded
11 that, but Dr Mirakhur was the consultant
12 neuropathologist at the time. He may have asked her
13 opinion on the brain, we don't know.
14 Q. We had this actually as far back in 1995 in relation to
15 Adam Strain. If a pathologist brings in other expertise
16 to assist, which as the evidence to the inquiry is, that
17 actually happens quite often. If that happens, is the
18 practice that you record that has happened?
19 DR GANNON: Generally now, yes, it would be. If I have used
20 someone else's opinion to formulate my own commentary,
21 I would mention them in the report and show them the
22 report before I finalise it to make sure that they agree
23 that I have interpreted their opinion correctly. Back
24 then, it may have been less formal than that. I know
25 that the two paediatric pathologists, Dr Thornton and

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1 Dr O'Hara, would have worked together on a number of
2 cases and would have shown each other cases, but maybe
3 wouldn't have recorded that in their records at the
4 time.
5 Q. Is this a case which you think might actually have
6 benefited from the introduction of other expertise?
7 I'll give you an example of it. A case had happened
8 about 14 months afterwards, which was the
9 Raychel Ferguson case. I'm not sure if you're familiar
10 with that.
11 DR GANNON: I'm not familiar with the details.
12 Q. That case was the subject of an inquest and Dr Herron
13 carried out the post-mortem. When he approached that
14 case, he brought in expertise in the form of
15 Dr Clodagh Loughrey to address specifically the
16 hyponatraemic issues. That's about 15 months later
17 he was looking at that. Is that something that you
18 think would have been appropriate for Dr O'Hara to have
19 done?
20 DR GANNON: It would be appropriate for any pathologist. If
21 you're dealing with a case where you're not entirely
22 certain, you'll bring in an expert as required.
23 Dr O'Hara may have thought that he didn't need to bring
24 an expert in; he may have brought an expert in and not
25 recorded that; we just can't know from his report.

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1 a neuropathologist to be present because the brain was
2 retained and formalin fixed. The brain could then have
3 be referred at a later date to a neuropathologist.
4 Q. I don't mean on the day, I just mean, generally
5 speaking, would you have thought that that would be an
6 appropriate thing at some stage?
7 DR GANNON: It depends on the experience of the pathologist
8 concerned. Dr O'Hara may have thought that he had
9 enough experience to deal with in this sort of case
10 himself without calling in an expert.
11 THE CHAIRMAN: Or he may have thought that there was going
12 to be a further discussion and that in turn may lead to
13 the engagement of another pathological expert?
14 DR GANNON: Yes. As I said, he tended to see his reports as
15 a "starter for ten". That was his phrase. The way --
16 from my recollection as a trainee of the way that he
17 worked, he would then take the case to the mortality
18 meeting, there'd be discussions and there may be further
19 investigations ensuing from that. That's how I recall
20 him working. As I said, I was a trainee at the time so
21 not intimately involved in his day-to-day work.
22 MS ANYADIKE-DANES: The other point Dr MacFaul makes is
23 Lucy's weight, when recorded at autopsy, is
24 12 kilograms. She is recorded as 9.14 or 9.8, depending
25 on -- 9.14 is the lightest, which is when she's in the

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1 It would be common practice. If for example, I'm
2 dealing with a case -- if you look at the double-doctor
3 cases that we do with forensic pathology and it's
4 a child who's died suddenly in the community, the brain
5 goes to neuropathology for an expert opinion from the
6 neuropathology, so there's three of us working on the
7 same case.
8 IF I have a difficult case with a combination of
9 different infective organisms and I am not too sure
10 which is the relevant organism that had caused the final
11 disease, I would speak to Professor Coyle, who's one of
12 our consultant microbiologists, and I would mention him
13 in the commentary saying that I have discussed it with
14 him and this is his opinion. It is a common practice to
15 bring in experts as required.
16 Q. Let's take what you might have done. This is in 2000.
17 This all starts with trying to understand why this child
18 has developed her fatal cerebral oedema. And faced with
19 that, a large part of the consideration may be of her
20 brain. Faced with that, would you have thought it
21 appropriate to have at least sought the assistance of
22 a neuropathologist or, seeing hyponatraemia, somebody
23 who is more expert in that?
24 DR GANNON: I don't think at the time the post-mortem was
25 carried out on the day, you would need

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1 Erne. I think it's 9.8 at the Children's Hospital. But
2 for either of those it is quite a step up to
3 12 kilograms, and what Dr MacFaul suggests is that even
4 if that had been an error, that whoever is the
5 technician maybe who weighs the child for you -- just
6 seeing an increase in weight like that, coupled with
7 hyponatraemia, may perhaps should have indicated that
8 some attention should have been given to Lucy's weight;
9 would you accept that?
10 DR GANNON: Knowing the equipment that we have available,
11 we have two mortuary rooms, mortuary chambers where we
12 work. We have the baby room where we predominantly do
13 the babies who are miscarried or stillborn -- those
14 scales go up to 10 kg -- and then we have the adult room
15 and the adult weighing scales is basically the slab.
16 And the tolerance, the error tolerance on those is much
17 higher. The baby scales are much more accurate. So she
18 was just too big for the baby scales. That's why
19 there's probably an error in that. I think the organ
20 weights are much more important than her absolute body
21 weight and when you look at the weight of her organs
22 they are slightly small for her age. The brain weight
23 is slightly heavy for her age. So there was cerebral
24 oedema based on her absolute brain weight. That is much
25 more important, I think, than the absolute body weight.

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1 Q. And Professor Lucas?
2 PROFESSOR LUCAS: I agree with everything Dr Gannon has said
3 in the last 10 minutes.
4 Q. Thank you. Then if we go then to the timing of the
5 death certificate. This is an issue where I think the
6 two of you have, or at least did have, on the face of
7 your reports, a difference.
8 Maybe if I might start with Professor Lucas. It
9 starts in your report at 252-003-011. By the "timing of
10 death certificate issue" I mean the waiting from when
11 death occurs until at some point after the post-mortem
12 to issue the death certificate. You say in the third
13 paragraph:
14 "To, apparently, wait for the autopsy before writing
15 the death certificate is (at least) inappropriate, and
16 possibly an infringement of the law."
17 And you then say:
18 "What is required is for the treating doctor to sign
19 and give forthwith to a qualified informant the
20 certificate. The current wording in the department in
21 Northern Ireland is even clearer: 'Medical practitioners
22 have a legal duty to provide without delay a certificate
23 of cause of death'. So the proper sequence is as to the
24 historical standard practice: a death certificate is
25 completed before commencing the process of obtaining

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1 This is really just fairly general guidance to give
2 some help as to what to do and one sees the relevant
3 passage on the 031 page, about two-thirds of the way
4 down:
5 "For a hospital autopsy, the pathologist requires
6 the written consent and the clinical summary on
7 a completed request form. When it is complete, the
8 pathologist will telephone the ward with the result and
9 a death certificate can be issued if this has not
10 already been done."
11 So this clearly indicates it's possible to await
12 communication from the pathologist before issuing the
13 death certificate. The other matters arise in the year
14 after that. There's a 2000 "Royal College of
15 Pathologists guidelines for the retention of tissue and
16 organs at post-mortem examination", and the reference
17 for that is 319-025bc-015.
18 Under "Consented post-mortem examination", the
19 second paragraph:
20 "If you agree to a consented post-mortem examination
21 the doctors [because this is really being directed
22 towards the pathologists] will issue the medical
23 certificate of cause of death before the post-mortem so
24 that you can proceed with the arrangements for the
25 funeral."

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1 a consent autopsy."
2 And then you go on to say that you consider there
3 are concerns about that, and if we pull up the next
4 page, I think that captures it.
5 You start by saying:
6 "It perverts the whole coronial referral system for
7 querying unnatural deaths. By allowing a consented
8 autopsy, more people -- including the pathologist --
9 could more readily conspire to hide a genuine unnatural
10 death from public notice. The usual process, natural
11 death certificate or referral to the coroner, makes the
12 doctors think promptly about why somebody died and what
13 to do next."
14 I have said this on every occasion I have cited this
15 that nobody has suggested that that is what happened
16 here, that anybody was trying to conspire to do
17 anything, but what you're doing, I think, is trying to
18 put forward the possible dangers in having that system.
19 That's your view. And if I then put in what the
20 guidance says and I would like you, if you could, to
21 help us with your interpretation of matters.
22 If we start off with the Children's Hospital
23 paediatric guidelines, the second edition 1999, that
24 says, and we can pull up 319-067a-030, and have
25 alongside it 031.

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1 And then the final bit to slot in is from
2 Dr Keeling, who is also an expert for the inquiry. She
3 produced a report titled "Dissemination of information
4 gained by post-mortem examination following unexpected
5 death of children in hospital". And the relevant part
6 of her report is to be found at 303-053-757. It's
7 paragraph 11. She says in the second sentence:
8 "When a post-mortem has not been instructed [by that
9 she means by the coroner] a death certificate may be
10 issued by the responsible clinician on instruction from
11 the coroner or by the clinician taking into account
12 information from the pathologist when a hospital
13 post-mortem has been performed."
14 That first version we've heard is called
15 a "form 14", but it's the latter one we're looking at:
16 "... or by the clinician taking into account
17 information from the pathologist when a hospital
18 post-mortem has been performed."
19 Which also indicates, alongside the guidelines from
20 the Children's Hospital, that you can wait.
21 So that's what you have said, Professor Lucas, and
22 that's what the guidelines and what another inquiry
23 expert says. Can you explain your experience that led
24 you to warn about the possible dangers of waiting for
25 the post-mortem?

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1 PROFESSOR LUCAS: Two things. One is there's evident
2 variation across the British Isles. You have just read
3 them out, they're different. Secondly, in no way was
4 I suggesting at any time that anyone was conspiring,
5 colluding or whatever. I hope it wasn't read that way,
6 so just to make that clear.

7 I was just very puzzled by this because I had taken
8 it as gospel that when someone dies, either a medical
9 certificate of cause of death is written, and it has to
10 be a natural one otherwise you can't write it, so the
11 two terms are synonymous here, which could be
12 registered, or the case is referred to a coroner, and
13 it's a fairly Manichean situation. There's no halfway
14 house, there's no holding. I was therefore a bit
15 surprised to come across this variation, shall we say,
16 and even a bit some more surprised to see Jean Keeling
17 writing it down as well, which she did.

18 I do wonder if Dr Gannon could help us as to whether
19 this particularly pertains to maybe things like earlier
20 deaths than Lucy's, to foetal malformation and things
21 like that, where in a way the clinicians might not have
22 a clue. There's no question of any mishap or anything,
23 it is natural, but they're not quite sure what's going
24 on and may well be might be quite useful to have a spec
25 autopsy report, an anatomical summary, as we have

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1 your source of that concern was. I can quite understand
2 when you say there may be different practices across the
3 country as to the order in which you do things, but when
4 you identify a potential danger, what is the basis from
5 which you got that concern?

6 PROFESSOR LUCAS: Well, from seeing cases -- in a way not
7 dissimilar to this -- where you think this could have
8 been managed better, and therefore you do have a ...

9 The process is a natural disease and the question
10 is: could it have been managed better? And you wonder
11 at a certain point, having discussed it, whether it
12 should have gone to the coroner, and sometimes, as
13 Dr Gannon has said, you do actually retrospectively
14 refer cases. But it was just the potential there --

15 Q. It's strong words, "... perverts the whole coronial --

16 PROFESSOR LUCAS: Maybe I overstated it a bit, but I'm
17 highlighting the fact that potentially that could happen
18 and we've seen enough peculiar things happening in death
19 analyses over the last two decades across the
20 United Kingdom to be concerned that this is a potential
21 consequence.

22 Q. Thank you. Dr Gannon? Do you have a concern, leaving
23 aside -- nobody is suggest, as I've said many times and
24 Professor Lucas has emphasised, that that happened here,
25 nobody is suggesting that at all. But if you sort of

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1 discussed before, to help with that. Let's just park
2 that on one side because I don't deal with those sort of
3 cases. Otherwise I find it rather surprising.

4 Then I asked my pathological colleagues and also
5 I know a lot of bereavement officers because I have been
6 president of The Association of Anatomical Pathology
7 Technologists who are often the bereavement officers in
8 a hospital. And I put them a few questions to say --
9 all the ones in London, this is -- what's your take on
10 these questions? And they're all absolutely adamant
11 that either a death is written down for a medical
12 certificate of cause of death to be given to the
13 relatives and then you consider a consented autopsy or
14 the case goes to the coroner, full stop. They're a bit
15 surprised that there was this variation here.

16 Q. Firstly, when I asked Dr Crean, who is a consultant
17 paediatric anaesthetist, in whose name Lucy was
18 admitted, his view was very clear: you either can at the
19 point of death write a death certificate or you can't.
20 If you can, you do, and if you can't, you refer it to
21 the coroner. So he was pretty clear about it.

22 PROFESSOR LUCAS: Yes.

23 Q. That's one thing, but you then go on to express a view
24 as to the possible dangers of not doing it in that
25 order, and that actually was where I wanted to ask what

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1 take out from that, abstract from that, can you see the
2 concern that Professor Lucas is referring to?

3 DR GANNON: I can see the concern. I don't think it exists
4 in this case. The working practice in Northern Ireland
5 is very different from the rest of the United Kingdom.
6 I worked for three years in Leeds as a consultant
7 paediatric pathologist in Leeds. It is a very different
8 process. In Northern Ireland, an autopsy is carried out
9 extremely quickly after death. We have a cultural
10 tradition of burial or cremation very quickly after
11 death. And as a result, a post-mortem is carried out
12 either on the day of death or the next day. My
13 colleague and I essentially work on call, standby, as it
14 were for cases, and we would often carry out
15 a post-mortem while the undertaker is waiting and then
16 release the body to them.

17 I think in this case a medical certificate of the
18 cause of death could have been issued in the morning.
19 The discussion between Dr Curtis and the clinician
20 suggested that they might have put down, as they did
21 in the end anyway, cerebral oedema due to dehydration,
22 due to gastroenteritis. That was an acceptable clinical
23 cause of death that could have been completed. It is
24 not unreasonable, I would submit, to delay issuing the
25 cause of death certificate until the afternoon when the

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1 post-mortem is carried out, just in case you find
2 something completely unexpected, and then you have
3 a much more accurate cause of death. In the end, in
4 this case, that didn't happen because the medical cause
5 of death that was originally discussed with Dr Curtis
6 was the same as the cause of death that finally ended up
7 on the death certificate. But it's not unreasonable to
8 delay issuing a cause of death certificate for a few
9 hours. Had there been a long delay -- so in Yorkshire,
10 in Leeds, there would have been several days between the
11 patient dying and the autopsy being carried out -- that
12 would have been unacceptable -- but for a few hours,
13 I don't think makes that much of a difference.
14 THE CHAIRMAN: On that basis then, if you were going to do
15 an autopsy in Leeds -- and that may take, let's say, up
16 to a week --
17 DR GANNON: It could sometimes, yes.
18 THE CHAIRMAN: -- would you expect a death certificate to be
19 issued immediately in Leeds?
20 DR GANNON: Yes, generally it was.
21 THE CHAIRMAN: So what you're in effect saying because
22 we have a culture on this island of burying people more
23 quickly than they do in Great Britain, the difference
24 here is a post-mortem is done almost immediately so that
25 there isn't any delay in returning the body to the

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1 becomes relevant in some way, that that would not find
2 its way into the ONS statistics.
3 DR GANNON: I don't think it does, no, but I would defer to
4 any expert on that. It's not my area.
5 Q. I'm very grateful. If I can ask you two things: I hear
6 what you said about the death certificate. As it
7 happened, and Dr Hanrahan has given his evidence,
8 despite whatever emerged from the communication with the
9 coroner's office, he actually still did not feel he
10 could write a death certificate, which is actually why
11 he wanted a hospital post-mortem because he couldn't do
12 it. Leaving that aside, Dr Hicks, who was the
13 paediatric clinical lead at the time, her view was that
14 responding speedily was or could be accommodated by
15 waiting for the provisional anatomical summary alone in
16 the same way that you've identified, and that usually
17 came out quite speedily and that could be helpful. What
18 she then went on to say is that if you were going to
19 wait for the full autopsy report, she thought that was
20 too long and you shouldn't be doing that, holding back
21 on issuing your death certificate, awaiting the full
22 autopsy report; would you accept that?
23 DR GANNON: Oh, very much so. If Dr O'Hara had found
24 something like a major brain haemorrhage or, as
25 Professor Lucas said, a pulmonary embolus that could

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1 parents for the funeral beyond a few hours from
2 a morning to an afternoon?
3 DR GANNON: Very much so, yes. It's an insignificant delay.
4 If there's anything unexpected that was found, that
5 should have been put on the death certificate, it can be
6 put immediately on to the death certificate. There is
7 a facility in the death certification process by which
8 you can indicate on the form that there will be further
9 information coming after the post-mortem, but that
10 doesn't get included into the ONS statistics. So from
11 the point of view of general population cause of death
12 statistics, any additional information does not get into
13 the system, basically. So it just makes the death
14 certification process a little bit more accurate.
15 MS ANYADIKE-DANES: Really? However significant that might
16 be, it doesn't feature?
17 DR GANNON: I don't know. I wouldn't have the working
18 insider knowledge as Professor Lucas. It's just
19 a little box you tick to say more information is
20 available --
21 Q. We have seen that and, in fact, in just about every
22 single case I think it was ticked. What I was
23 particularly asking you about is your comment for coding
24 or statistical purposes, that should you find out
25 something significant like, let's say hyponatraemia

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1 have caused death, that would have been appropriate to
2 add in -- just based on the naked-eye findings, you
3 could have added that in to the death certificate. As
4 it was, the findings were histological, microscopic
5 findings, which would have been several weeks before
6 they were available.
7 Q. Let's actually have the timing and if I might ask you
8 both what you think about this timing. Lucy dies at
9 about 1 o'clock on 14 April. She has her post-mortem
10 carried out later on that afternoon by Dr O'Hara. By
11 17 April, he issues the provisional anatomical summary,
12 and then nothing else emerges yet because he's
13 presumably working, waiting for brain fixation or
14 whatever he's doing, to enable him to produce the final
15 report. Then it's not until 4 May, prompted by a query
16 from the family, that the medical cause of death
17 certificate is issued. Do you think that's too long?
18 DR GANNON: Generally, the death certificate would be issued
19 very quickly after death, within a day or two, to enable
20 registration of the death and subsequent burial. As
21 Dr O'Hara wasn't involved in the issuing of the death
22 certificate, it's not --
23 Q. I'm asking your view. You have expressed a view on
24 things being done more speedily here and that's an
25 explanation for why you might hold off and wait for the

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1 provisional anatomical summary. In your view is that
2 too long a period of time to wait until 4 May?
3 DR GANNON: The final pathology report can often take 8 to
4 10 weeks to be made available. It depends on the
5 investigations that you're dealing with, whether you're
6 doing genetic testing or electron microscopy or
7 whatever. That would be too long. You'd need to
8 certify the case before then. Waiting for the
9 provisional summary -- because that's usually released
10 within 48 hours -- again would not be unreasonable. In
11 Northern Ireland that might even be a bit too long
12 sometimes.

13 Q. Professor Lucas, is it too long?

14 PROFESSOR LUCAS: Yes. I think that the business about the
15 timing is absolutely crucial here and I apologise to the
16 court. I hadn't quite realised what happened and I
17 would have phrased myself rather differently if I'd been
18 aware of exactly what has come out in the last five
19 minutes, but when I wrote the report I was not.

20 You have to stand a little bit further back and ask,
21 "Why are we doing this, what is all this about?", and
22 the answer is: disposing of a body. What happens, as
23 you know, is that in the end a body is disposed of via
24 a bit of paper, a form, and that is going to be a cause
25 of death. It either comes from a coroner or it comes

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1 a lag. So someone has to make a decision, "What are we
2 going to do? Are we going to just let this hang over
3 the weekend, over several days?" No, you can't do that.
4 You decide "It's for the coroner" or "We can write
5 a natural cause of death" and you do one or the other.
6 It is basically the disposal and retrieving potentially
7 useful information if it goes wrong is at the heart of
8 this whole process of when you make a decision. The
9 process here in Northern Ireland is different from the
10 rest of Britain as far as I can see.

11 DR GANNON: Could I point out, we have a further difference
12 with the coronial system here? The coroner has a system
13 called a pro forma letter and this is where a clinician
14 is of the belief that the death is natural, but the
15 patient may have had several different disease processes
16 present and the clinician wasn't certain as to one which
17 ultimately caused the death. So you can't do a 1A, 1B,
18 1C death certificate, so if you discussed the case with
19 the coroner -- and we are now finding that more and more
20 pro forma letters are being used -- now that we have a
21 medical officer in the coroner's office, the clinician
22 will discuss the case with them, they will reach an
23 agreement about the causation of death, the clinician
24 will complete a pro forma letter outlining the
25 circumstances of death and what they think is the most

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1 from a doctor who, to the best of his knowledge and
2 belief -- that's the stringency -- can fill in a natural
3 cause of death. That goes to the registrar who produces
4 a certificate and says to the relatives, "You can now do
5 with the body what you wish. Burn it, bury it,
6 repatriate, whatever", even the end of your back garden
7 probably. The crucial thing is hanging onto the body.
8 Remember what the coroner's job is: the coroner is there
9 purely not for public health, but the coroner is there
10 as the guardian against unnatural death. If you ask
11 coroners and the Ministry of Justice what is their
12 fundamental job statement, that is what they are there
13 to do.

14 So the process you have in Northern Ireland, where
15 actually the body stays in the same place, well looked
16 after, and is examined after that very quickly, I have
17 to say is rather good. The point is no one is disposing
18 of the body, no one is putting at risk the possible
19 reduction later on of getting information if you needed
20 it. It's all being kept in-house.

21 In mainland Britain, that doesn't happen, as you
22 rightly said. All autopsies take ages to get going
23 unless there are Muslims or Jews on a Friday afternoon
24 -- and I mean this literally -- pressing the case, in
25 which case you may do things rather faster. So there is

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1 likely cause without being absolute, and then the
2 coroner will issue the burial order for the disposal of
3 the body.

4 I have not come across that system in the mainland
5 UK, wherever I've worked there, and it is a superb
6 system and it really does benefit families here where we
7 know the death is natural, but we're not entirely sure
8 what is the cause of death.

9 PROFESSOR LUCAS: I would again echo exactly what you say.
10 This is a system which will be introduced in England and
11 Wales called the medical examiner system. There is
12 legislation for it under the Coroner and Justice Act
13 2009. That's what we're moving to; you've obviously
14 beaten us to it.

15 Q. Clearly, the clinicians have not responded to the
16 provisional anatomical summary to issue the death
17 certificate then. We don't know why not, it just hasn't
18 happened. Maybe they were waiting for the final report,
19 but we don't know. What we do know is that they are
20 prompted to issue the death certificate because they
21 receive a query from the family who want the body
22 released to them.

23 Given that the provisional anatomical summary
24 doesn't even purport to address some of the queries that
25 led to the hospital post-mortem being requested in the

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1 first place, would you have expected that need to issue
2 a death certificate at that stage and given that they
3 didn't have the final report accessible to them or
4 available to them, would you have thought that that
5 should have prompted some discussion between the
6 clinicians and the pathologist at that stage?
7 DR GANNON: It may well have done, but there's no record of
8 that.
9 Q. No, at the moment we don't know those things. I'm
10 simply asking: would you have thought it would or
11 should?
12 DR GANNON: It should have done. The system that we work
13 under, the provisional summary is actually the second
14 step and the first step is that we contact the ward by
15 phone to give them a verbal finding -- that is in the
16 protocol somewhere -- and then the second step is the
17 issuing of a written provisional report and then the
18 third step is the issuing of a final written report. So
19 Dr O'Hara may well have telephoned the ward immediately
20 after the post-mortem to give them some findings. That
21 is in the system.
22 Q. But in your view, just looking at what happened, there
23 should have been contact -- let's not say who should
24 have initiated it -- between the pathologist and the
25 clinicians if, in advance of any further information

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1 the pathologist has a certain lead there.
2 You have helped us with the kind of information and
3 discussions that might have happened before the autopsy
4 actually started. Some of them might be ongoing even to
5 assist in the provision of the most useful report.
6 If we move now to the stage where the report is out, so
7 the June 2000 report has been issued and the clinician
8 has it. Then Professor Lucas has said that, in his
9 view, you have reached now a stage where that is the
10 best that the pathologist can do with the material,
11 that's his best view of what happens. In order to
12 actually resolve the problems that prompted the autopsy
13 in the first place, there needs to be the
14 clinicopathological correlation.
15 If I might just refer you to something that
16 Dr Herron said, who I know that you both know, dealing
17 with an earlier case. He was describing, in his witness
18 statement for the inquiry, the process in the Children's
19 Hospital in 1996 -- or the Royal, really, because the
20 Department of Pathology serves not just the whole of the
21 Royal Hospital but also the region. That's correct,
22 isn't it?
23 DR GANNON: Yes.
24 Q. The reference is 224/3 at page 6. He says:
25 "The two main channels of communication in 1996

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1 from the pathologist, a death certificate was going to
2 be written?
3 DR GANNON: Yes, there should have been.
4 Q. Professor Lucas?
5 PROFESSOR LUCAS: Agreed.
6 Q. Then can you help us, in either of your views, where do
7 you think the burden of doing that would lie?
8 DR GANNON: It depends on the weighting, I think, that the
9 clinicians placed upon some of the more complex factors
10 in this. If the pathologist wasn't aware that the
11 degree of hyponatraemia was as severe as it was, he then
12 may not have given the weighting in his commentary about
13 that. So again, I think this is a difference of
14 approach between me and Professor Lucas. I don't think
15 the pathologist takes the role in pushing these cases
16 forward. I think the pathologist is just one part of
17 the whole investigation and the clinician should take
18 the lead.
19 This is coming from a background -- the majority of
20 cases are contented cases as the majority of Dr O'Hara's
21 cases would have been, consented cases, so it's
22 a slightly different approach if you're dealing mostly
23 with hospital consented cases or coronial cases.
24 Q. Okay. I think we've heard Professor Lucas does think at
25 this stage, once the autopsy is being undertaken, that

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1 [this is communication between the pathologist and the
2 clinicians] were the paediatric mortality meetings
3 [because he's a neuropathologist] and the neuroscience
4 grand rounds. As far as I can remember, all paediatric
5 deaths in the hospital were presented at the paediatric
6 mortality meetings."
7 By that he was describing the process in 1996.
8 I know that you weren't there in 1996, Dr Gannon, but
9 would you agree that that is a process that you met when
10 you came to the Children's Hospital?
11 DR GANNON: Very much so. I recall being -- as part of my
12 role as a trainee, we undertake paediatric autopsies
13 with the supervision of a consultant and then you
14 present your findings at the mortality meeting. So that
15 forum did exist. I was a trainee between 1993 and 1998,
16 so I certainly presented cases at a mortality meeting.
17 Whether you could state that all cases were discussed at
18 that, I don't know. I'm not aware that those meetings
19 were minuted.
20 Q. Sorry, just before we go into that, there's a few things
21 I want to ask you about that: should all paediatric
22 deaths which have a post-mortem be subjected to
23 a paediatric mortality meeting so far as you're
24 concerned?
25 DR GANNON: All paediatric deaths, whether or not there is

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1 a post-mortem, should be discussed and currently are
2 discussed. We would attend the paediatric mortality
3 meetings and may not be asked to give any presentation
4 because none of the cases had a post-mortem. But the
5 death is still discussed.

6 Q. Right. Let's deal with those which have had the benefit
7 of a post-mortem. In your experience, in 2000 or
8 thereabouts, what actually happened and how did you have
9 a paediatric mortality meeting?

10 DR GANNON: There is a secretary -- there's a lead clinician
11 in the Sick Children's Hospital who is appointed as the
12 person who arranges the meeting, who schedules which
13 cases are going to be presented at each meeting, who
14 identifies a clinician to present the clinical findings,
15 and then we would have been e-mailed the information,
16 the list that was going to be presented that month.
17 It's part of the rolling audit calendar in the main
18 hospitals. So it's a regular scheduled event and
19 it wouldn't have been an extraordinary sort of meeting;
20 it would have been a regular event.

21 Q. So you first get to hear of this by receiving an e-mail
22 that this case that you've been involved in is scheduled
23 for a paediatric mortality meeting whenever it is?

24 DR GANNON: Yes. I can only talk about when I was appointed
25 in 2003, so that's what we did in 2003. It was

1 Q. So you would do that. In other words, everything that
2 you looked at, what you found and what you have
3 concluded from it. What else goes on in relation to
4 a given child in your experience?

5 DR GANNON: There's a presentation by one of the clinicians
6 who cared for the child. They would give the
7 background, they would give the relevant blood indices,
8 relevant investigations. Then the pathologists would
9 present their findings and then there would be an open
10 discussion about the interpretation of all of the
11 investigations and all of the findings. It does get
12 quite heated at times. It's very open and transparent.
13 Because it's part of the rolling audit, there are no
14 clinics, there are no ward rounds scheduled for that
15 time. All of the clinicians in the hospital have to
16 attend.

17 Q. So this is preserved time --

18 DR GANNON: This is reserved time. There is a requirement
19 under appraisal and revalidation regulations that
20 you have to attend at least 70 per cent of audits in
21 your area. So the room is generally full and virtually
22 every specialty grouping is represented and they argue,
23 basically.

24 Q. In a case such as Lucy, given what you do know about
25 that and some of the things that weren't able to achieve

1 presumably the same in 2000, but we were contacted
2 saying, "This case will be presented on such-and-such
3 a date", and then you'd go along with your -- we'd take
4 photographs of the histological section, micrographs, to
5 present those, we'd have all of our clinical details --
6 Q. Can I pause you there? Knowing what you know of Lucy's
7 case because you've gone through the histology and
8 reports and so on, assuming you were the pathologist and
9 you're notified that she's going to be discussed at
10 a paediatric mortality meeting, what do you take to
11 present? What would you be presenting at such
12 a meeting?

13 DR GANNON: I would take the final report and I would
14 take -- we currently now do it, the whole hospital is
15 networked so we can pull up presentations on the system.
16 But essentially you take photographs of your
17 histological findings, if there's any photographs taken
18 at the time of the autopsy, so if there was an abnormal
19 appearance of a structure you would take a picture of
20 that and present that to ... In this infant you may
21 have wanted to take a picture of the brain to show that
22 it was oedematous. You would take photographs of the
23 histology -- the microscope has a camera attachment --
24 and then you present your pathological findings and sort
25 of summarise your findings and your conclusions.

1 any definitive conclusion, what are the sort of things
2 that might be of interest and might have been discussed
3 at a presentation like that?

4 DR GANNON: You may have had discussions about the fluid
5 management. The renal physicians would have got their
6 word in about fluids, the cardiologists would have got
7 their word in about was an echo -- was her a heart
8 function looked at. Basically it is a free-for-all and
9 there is a big discussion about appropriateness of
10 management, ways things could have been improved.

11 The current organiser, I think, is a Dr Khani(?) and
12 she produces a list of learning points after each case
13 and that is circulated to every attendant as in -- there
14 isn't a decision made as in the care was perfect, the
15 care was sub-optimal, the care was dreadful, it's
16 basically a learning point as in: we need to take more
17 care, to be more accurate in our note taking, dating of
18 our notes. That type of thing.

19 As it's part of the rolling audit schedule, it's
20 mortality, so children who have died are discussed, but
21 there are also audit presentations and some of those may
22 pertain to various cases as in audits of how well drug
23 forms, drug charts are filled in, how well fluid balance
24 charts are filled in, so they would present audits and
25 then they would discuss those as well.

1 Q. In a case like Lucy where the treatment that she
2 actually received all happened in the referring hospital
3 and the task, if I can summarise it in that way, of the
4 Children's Hospital was to try and form a view as to
5 firstly what is the condition that she's in, using their
6 superior testing, their CT scans and so forth, and then
7 certify that she is brainstem dead, if that's
8 appropriate, and then form a view as to how she's got
9 into that state. So you might say an investigative role
10 is really the role that the Children's Hospital had. If
11 you've got that role, if in the course of that what
12 you're discussing is the treatment that happened in
13 another hospital, have you got experience of that and
14 what happens in those circumstances?
15 DR GANNON: I don't know if there's a facility to bring the
16 clinicians from the referring hospital into the
17 mortality meeting to present their side of the case.
18 That would be useful if it existed.
19 Q. Is there now such a facility?
20 DR GANNON: Not that I know of. I have been aware -- we
21 discussed one death recently of ... It was an expected
22 death in the community, a palliative -- a child with
23 a life-limiting condition who died following palliative
24 care, and the community paediatrician, who wouldn't
25 normally attend these meetings, came along to present

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1 deficient or inappropriate in some way?
2 DR GANNON: I don't know if that exists. That would be much
3 more of a clinical question. I don't know what systems
4 the clinicians have for exchanging information like
5 that.
6 Q. I understand. Then if I ask you, Professor Lucas, your
7 experience of these sorts of meetings -- and by that
8 I mean the paediatric mortality meetings -- and what
9 happens in the hospitals that you've been involved in
10 where they take place? Sorry, in relation to a case
11 like Lucy's, I should say.
12 PROFESSOR LUCAS: Most of the cases I have been involved
13 with, which are paediatric, have actually been coronial,
14 so in a sense the inquest does all that, everything that
15 Dr Gannon has been describing, getting witnesses from
16 other hospitals, learning points and so on. It's
17 actually done in a public court. In terms of the ones
18 that derive from consented autopsies, we have meetings
19 in the hospital to discuss them.
20 Q. Are they of the sort that Dr Gannon has described?
21 PROFESSOR LUCAS: Yes, yes. There's sufficient
22 representation there to work out what happened and could
23 we have done better or not.
24 Q. And nowadays --
25 PROFESSOR LUCAS: In the old days they weren't minuted.

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1 the aspects of the case. Because we are a regional
2 service, we would often go out to mortality meetings in
3 the other hospitals, so Antrim, Craigavon, Altnagelvin,
4 and the case is discussed there. I am aware in the
5 perinatal age group that the clinicians would hold their
6 own mortality meeting using our report when we are not
7 there and discuss it that way. So I think each hospital
8 has its own system. I'm not too sure how well those
9 systems overlap.
10 Q. But if you got to the stage where it became clear from
11 the discussions that there were real concerns as to her
12 fluid management in the transferring hospital, so when
13 the action points are drawn up, some of those action
14 points could relate to things that had happened in the
15 Royal, like for example the referral to the coroner, the
16 issuance of the death certificate, the adequacy of the
17 discussions between the pathologists and clinicians,
18 some or all of that might be discussed, but there might
19 also be a very real discussion as to the adequacy, if I
20 can put it that way, or appropriateness of the treatment
21 that she received in the transferring hospital. If such
22 a thing arises, what then happens to assist the
23 transferring hospital who may not appreciate that
24 whatever it was that they engaged in has been seen by
25 the specialist centre at the Children's Hospital to be

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1 Q. Are they now?
2 PROFESSOR LUCAS: Increasingly because of the whole audit
3 governance business. That's been a general trend in the
4 last decade.
5 Q. If I give you the same scenario that I posed to
6 Dr Gannon, which is, in the course of that discussion,
7 it becomes clear or it seems clear that there were
8 inadequacies in the treatment from the transferring or
9 the referring hospital, do you either have those
10 clinicians involved in your meeting or is there some way
11 that you can communicate back so that they are aware of
12 the discussion that you've had?
13 PROFESSOR LUCAS: Well, they may be aware already because
14 there will probably have been an autopsy report issued
15 and, in all honesty, it should go to the original
16 hospital as well as an interested party so they may be
17 aware of issues coming up. Otherwise, in terms of
18 clinical feedback, I don't think it's legislated down,
19 but in practice it will be the lead clinician where we
20 are who will contact his friends or colleagues in the
21 other place.
22 Q. And there would be a discussion?
23 PROFESSOR LUCAS: Yes, but that is left to them.
24 Q. Thank you. Then I just want to deal with one final
25 area, which is really the aftermath in a way.

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1 Dr O'Hara meets with Lucy's parents on 16 June 2000.
2 It's not his minute of the meeting, but it may indicate
3 some of the points that were covered. Can we pull up
4 015-006-031? There we are. If I draw your attention to
5 some of these points and ask how you interpret them and
6 what are the implications, if that's what's being
7 discussed. The first is that:
8 "The cause of death is less frequent than in years
9 past and would not be common."
10 How do you interpret that? One of the potential
11 causes of death was, of course, bronchopneumonia; would
12 you regard that as being infrequent and not common?
13 DR GANNON: My personal opinion of that is they're talking
14 about gastroenteritis causing death. Extremely common
15 elsewhere, but not in this country.
16 PROFESSOR LUCAS: I agree [OVERSPEAKING].
17 Q. So far as you can tell, it seems like gastroenteritis.
18 Then if I ask you:
19 "Dehydration was an important factor."
20 How do you interpret the significance of that being
21 communicated to the family?
22 DR GANNON: I think that's as stated, that she was
23 dehydrated. The rehydration is what has probably
24 ultimately caused the death, but she wouldn't have
25 needed rehydration had she not been dehydrated, so it

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1 THE CHAIRMAN: It might be very helpful for Dr O'Hara to be
2 one of the people who meets the Crawfords, but he
3 shouldn't be there without a clinician, should he?
4 DR GANNON: I have met with quite a number of parents after
5 a post-mortem and there is a clinician present -- has
6 been a clinician present in all cases. It may be that
7 the parents had a very specific question about the
8 post-mortem process.
9 MS ANYADIKE-DANES: The benefit of having the clinician
10 present is you can do precisely the thing that you have
11 both been talking about: you can present both sides of
12 the issue --
13 DR GANNON: Yes.
14 Q. -- her clinical treatment and the pathological findings.
15 DR GANNON: Yes.
16 PROFESSOR LUCAS: Can I just interject to make sure we're
17 all on the same page? I think from reading this page
18 here, we would all agree that at the time of that
19 conversation, hyponatraemia did not feature on
20 Dr O'Hara's radar as being significant in this case, so
21 it wasn't brought up. So if you're not going to think
22 that, you won't think about the rehydration either.
23 Q. Can we go to another bullet:
24 "Children can crash very quickly due to dehydration
25 and delay in getting in fluids could be crucial"?

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1 was important.
2 Q. But the rehydration would have been significant in your
3 view from what you now know about the case?
4 DR GANNON: Yes.
5 Q. We don't know whether it was discussed, but is that
6 something that you would think would have been
7 appropriate to have been discussed?
8 DR GANNON: Had it been known about at the time -- it's
9 a very complex area and well beyond my area of expertise
10 about the amount of fluid, the type of fluid, the speed
11 at which the fluid was replaced. All of that needs to
12 be taken into consideration.
13 THE CHAIRMAN: I think the problem is, doctor, that it
14 wasn't known at the time because Dr Crean in the Royal
15 rang Dr O'Donohoe in the Erne to tell him that there
16 were issues about the fluid regime. So there were
17 issues raised in the Royal, before Lucy's actual death,
18 about the fluid regime, which on the face of this note,
19 were not discussed with Mr and Mrs Crawford.
20 DR GANNON: But it's not the remit of a pathologist --
21 hyponatraemia is not a pathological diagnosis.
22 THE CHAIRMAN: But it raises a slightly different issue then
23 about who should be meeting the parents to discuss what
24 happened because --
25 DR GANNON: Precisely. The parents --

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1 If I give you some context to that. There was
2 a query over the three hours or so it took before they
3 were able to get a line into Lucy and therefore any
4 fluids. If the pathologist, or even a clinician, is
5 indicating that delay in getting in fluids could be
6 crucial, it's not too much of a stretch to think
7 it would have been better for that to have got in sooner
8 and that may raise a query as to whether there are any
9 concerns over her treatment. Is that a possible
10 conclusion from that?
11 DR GANNON: It's a possible interpretation. From
12 a pathologist's point of view, I would tend not to be
13 commenting to families about the treatment the patient
14 received. That is why we have a clinician present with
15 us at the time because it's commenting on areas outside
16 my expertise.
17 Q. But if any clinician or the pathologist is raising the
18 question that something about the treatment --
19 rehydration is really what they're talking about
20 there -- has been delayed in such a way as could be
21 described as crucial, does that not indicate that that
22 might be something that could have been drawn to the
23 attention of the coroner? Because essentially you're
24 talking about her treatment.
25 DR GANNON: It's difficult to answer. Again, it depends on

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1 the pathologist's interpretation of the clinical history
2 and information given to him and the weighting put on
3 different factors in that. From my understanding,
4 at the time of presentation, Lucy was still able to
5 drink juice. And if children are drinking orally,
6 intravenous fluids may or may not be required, but again
7 it would need a clinical interpretation.

8 Q. Yes. I wasn't talking about her actual treatment, I was
9 talking about the way it's framed there. If for
10 whatever reason a clinician or pathologist has come to
11 the view that a delay in treating the child is crucial
12 or could have been crucial, is that not some matter
13 which needs further investigation to see whether indeed
14 that is the case?

15 DR GANNON: Potentially, yes, but the way that's worded is
16 hypothetical, it's it "could be crucial", not "it is
17 crucial". There's a difference.

18 Q. Yes. If we go on to the next time that Dr O'Hara
19 discusses the case, it's before he produces his final
20 report. It's something I showed you just very briefly.
21 23 October 2003 is the letter. It's 013-053f-296. But
22 just before I ask you both about that, I realise
23 I hadn't asked you, Professor Lucas.

24 If you were looking at that list of issues and the
25 ones that I've drawn your attention to, is there

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1 Q. But something further?

2 PROFESSOR LUCAS: Yes.

3 Q. Would that summarise your view, that at this stage
4 something further ought to have been done?

5 PROFESSOR LUCAS: Yes. You haven't asked the question, but
6 I can just pose it hypothetically. When the clinicians
7 got his intermediate June 2000 report, what did they
8 think about it? Did they think, "We're talking about
9 different children, this isn't right", or what? We have
10 had no feedback on that, have we?

11 Q. We do because Dr Hanrahan, the consultant, his view
12 is that he didn't see it as answering his problem, he
13 did not believe that there was that level of
14 bronchopneumonia --

15 PROFESSOR LUCAS: Okay, fine, sorry, you have addressed the
16 point. I'm interested to see what the interaction might
17 have been so to speak. But in fact it turned out to be
18 a paper exercise; he just sent off another bit of paper
19 instead.

20 Q. In fact there was one point that he did come up with
21 that you might be able to help us with. He thought, to
22 the extent that there was anything that one could see
23 present in Lucy's lungs, the cause of that -- he didn't
24 think that that was ventilator-associated pneumonia, he
25 didn't think that. He thought it might have been

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1 anything there that you might have said as a pathologist
2 "Well, if I do think that that delay could have been
3 crucial, maybe I ought to be going back either to have
4 some further investigation of whether in fact it was
5 crucial, since I haven't been able to reach a concluded
6 view of the cause of her death", or perhaps, "I should
7 be telling the coroner"?

8 PROFESSOR LUCAS: Yes. This is very easy in retrospect.

9 At the time it's more difficult, I suspect, because we
10 don't know what Dr O'Hara was actually thinking. As far
11 as we can establish so far, he was probably thinking: we
12 still have sort of brain oedema and we do have some
13 pneumonia, but I really can't join anything together at
14 all. He just didn't know. This is all slightly sort of
15 generalised, isn't it, and could's and possible's and so
16 on.

17 Q. Is that not indicating that some further investigation
18 is required?

19 PROFESSOR LUCAS: Yes.

20 Q. And if he's not doing it as a pathologist, does that not
21 indicate that maybe the coroner ought to be looking at
22 it?

23 PROFESSOR LUCAS: Maybe the coroner or maybe one consults
24 with one's clinical colleagues to have a further think
25 about it.

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1 produced by her ingesting vomit.

2 PROFESSOR LUCAS: Yes.

3 Q. Do you think that's possible?

4 PROFESSOR LUCAS: I think it's very possible. It's also
5 what Dr O'Hara said in his summary as the other -- he
6 said there are two ways that bronchopneumonia could have
7 happened. One is community-acquired, possibly before
8 she was admitted to any hospital. Secondly, at about
9 the time of the collapse and seizure and therefore
10 intubation -- and I don't know whether he used the term
11 aspirated, but he certainly meant that -- "This could be
12 an aspiration pneumonia". We discussed this about an
13 hour ago.

14 Q. I'm not sure I did ask you that. In your view, of the
15 two forms of producing that bronchopneumonia,
16 do you have one which you think is more likely than the
17 other?

18 PROFESSOR LUCAS: I think something happening at about the
19 time of intubation. I think it was a very rapid process
20 and I think it happened because some gastric contents
21 went in, and also it's been slightly -- we haven't
22 explored the question, but all this microbiology was
23 negative. All the microbiology tests were negative.
24 Now I know it was only swabs rather than chunks, but
25 that might tie it in because if you aspirate acid from

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1 the stomach you get a pneumonia process, but there are
2 no bugs by and large -- there might be some, but not
3 necessarily -- which could explain the negative
4 microbiology. But if it was a community-acquired
5 pneumonia and the child had not had any antibiotics, so
6 it's clean, and (a) he didn't see any bugs on Gram
7 stains, because apparently that was done, and (b) the
8 culture was -- and the culture should have actually
9 probably identified the common thing like streptococcus
10 pneumoniae or some related organism, so it does actually
11 suggest that it may have been an aspiration pneumonitis,
12 aspiration pneumonia.

13 Q. Dr Gannon, would you accept that it might suggest that?

14 DR GANNON: It might suggest that. There is a pneumonia
15 there and it's very difficult to determine exactly when
16 it became established and what the original cause was.
17 All we can do is to say there is a pneumonia present and
18 you have to correlate that with the clinical findings
19 and in very small children that is often extremely
20 difficult because there are no clinical findings.

21 Q. If we pull this letter up, 013-053f-296. If we look at
22 the second paragraph of that:

23 "This was a difficult case at the time in which it
24 was clear there was a potential background of
25 litigation."

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1 recognising that there may be a basis why they might
2 take that line. So if you formed that view, is that
3 something you think would cause you to contact the
4 coroner?

5 DR GANNON: At the time, if I had been in full knowledge of
6 the background to this case, of the difference in
7 opinion between the clinicians in the Royal and the
8 clinicians in the previous hospital about the fluids
9 that had been given, then yes, at the time. I don't
10 know how much information Dr O'Hara had at the time he
11 carried out the autopsy to allow him to refer it to the
12 coroner.

13 Q. No, none of us do. What I'm putting to you is he
14 appears to have formed a view that there is a potential
15 background of litigation and he can quite understand why
16 litigation might be an issue. So I'm saying, if you
17 have formed that view, is that not something that should
18 cause you to contact the coroner?

19 DR GANNON: But he has formed that view three years after
20 the original case took place.

21 PROFESSOR LUCAS: By which time the coroner owns it anyway.

22 Q. Well, I think he says "at the time in which it was
23 clear", but anyway, leaving that aside. If you formed
24 the view, then it goes to the coroner?

25 DR GANNON: On the whole, yes.

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1 Professor Lucas, if you were dealing with a case and
2 you'd formed the view at the time that there was
3 a potential background of litigation, is that a matter
4 that would cause you to contact the coroner if you'd
5 formed that view?

6 PROFESSOR LUCAS: Yes, because it becomes a mishap in
7 hospital or something unnatural and it comes under the
8 general coroner's remit, cases to be reported to, yes.

9 Q. Dr Gannon, if you'd formed that view, is that something
10 that would cause you to contact the coroner?

11 DR GANNON: I think on the whole, yes. However, we have
12 a lot of litigious families and you may have a case that
13 is entirely natural who had a perfectly natural disease
14 process and a natural cause of death and the family are
15 still going to litigate. In those cases I don't think
16 it is appropriate -- referral to the coroner is
17 advisable on the grounds that the coroner is not there
18 to adjudicate between families and the hospital in
19 natural death.

20 Q. No. But if you look at what Dr O'Hara goes on to say
21 at the top of the second page:

22 "That there may be a case for litigation in this
23 instance, however, is entirely understandable."

24 So this doesn't seem to be a case where he is saying
25 that's just an overly litigious family; he is

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1 Q. Thank you. Well, I think you have addressed some of the
2 other difficulties in trying to weigh up whether that
3 should have prominence, if I can put it that way,
4 whether it's the pneumonia or the hyponatraemia.

5 Am I understanding what you have told the inquiry so
6 far today is that -- sorry, Dr Gannon, I'm addressing it
7 to you -- there actually isn't a basis from what you saw
8 in Dr O'Hara's work to be able to allow you to say one
9 was more likely than the other, or have you seen
10 something that would allow you to say one was more
11 likely than the other as a cause?

12 DR GANNON: As regards the hyponatraemia?

13 Q. As between the hyponatraemia and the bronchopneumonia.

14 DR GANNON: No. I think Dr O'Hara has approached this from
15 a purely pathological point of view and said, "This is
16 what I have seen under the microscope", and it's up to
17 the clinicians then to interpret those findings based on
18 their understanding of the clinical background.

19 I believe that in the file there were several
20 publications from papers that he had obtained. He was
21 obviously looking at other causes of hyponatraemia that
22 may have occurred in this infant, such as syndrome of
23 inappropriate ADH secretion, hypoxia causing cerebral
24 oedema, so he's obviously thinking around the case at
25 this point rather than saying it was wholly 100 per cent

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1 due to the fluid replacement. He hasn't gone into
2 detail about that, but I believe having those papers in
3 the file suggests he was thinking more in depth about
4 the case.
5 Q. I think, Professor Lucas, you have actually looked at
6 the case not just from a pure consideration of the
7 histopathology, but thought about it in the context of
8 the clinical information that you've got. Is that
9 additional information that allows you to express the
10 view that it was more likely hyponatraemia than the
11 bronchopneumonia?
12 PROFESSOR LUCAS: Yes.
13 Q. Then just finally --
14 PROFESSOR LUCAS: Can I just say, dealing with Dr O'Hara's
15 letter of 23 October, I think it's worth pointing out
16 that paragraph 3 is essentially what you write when you
17 realise that you might not have grasped the entire case
18 the first time round and want to change your mind.
19 That's how you phrase it.
20 Q. Yes. I'm just going to ask you to comment on the
21 differences between the commentary in his 2000 report
22 and that in his 2003 report. Maybe you can help,
23 Dr Gannon, with this. Dr O'Hara didn't look at anything
24 further in terms of slides, X-rays and so forth between
25 his 2000 report and his 2003 report.

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1 sentence says:
2 "It was known that during her admission to the Erne,
3 she had been, at least for a short period of time,
4 dehydrated and hyponatraemic."
5 So you start to see that introduced much earlier
6 than you do in the other report. But that is simply --
7 that comes from looking at her notes, does it not,
8 because even from the request for autopsy -- because
9 that information is there.
10 DR GANNON: It is there. Whether this was emphasised to him
11 at the time he originally undertook the autopsy or if it
12 was subsequently pointed out that this was clinically
13 relevant or clinically significant or was an area of
14 interest, which is why maybe it's specifically mentioned
15 now. When we retrospectively turn a consented autopsy
16 report into a coronial case, the coroner asks us to
17 specifically put down the cause of death as we would do
18 it in the ONS criteria, so 1A, 1B, 1C, and provide
19 a commentary that's going to be submitted as our
20 evidence in the hearing in the inquest. So the
21 subsequent report is basically his formulation of cause
22 of death and my personal interpretation of that is that
23 he's done that under protest and then the commentary is
24 submitted as his evidence at the inquest.
25 Q. He's done it under protest?

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1 DR GANNON: He doesn't appear to have done other than the
2 publications and references that he obtained.
3 Q. I believe it was correct that he received a copy of
4 Dr Sumner's report so he would have Dr Sumner's views on
5 that what happened.
6 DR GANNON: Yes.
7 Q. But apart from that, he's seen nothing himself from the
8 histology.
9 DR GANNON: No.
10 Q. If we pull up 142-001-002 and alongside that pull up
11 013-017-064. I'm trying to see if we can encapsulate
12 the parts where he discusses this.
13 THE CHAIRMAN: Sorry, has Professor Lucas not effectively
14 just covered the point in advance by saying that, by
15 this time, he has seen Dr Sumner's report and he's now,
16 for the first time, alert to the wider debate about what
17 went wrong, which is why, as Professor Lucas pointed out
18 in his main paragraph in the letter of 23 October 2003
19 is a different emphasis and different presentation
20 because he has more information?
21 MS ANYADIKE-DANES: Yes, it is, but I was going to actually
22 point out something that wasn't present in the earlier
23 commentary. If you see it, it's the last sentence of
24 the first paragraph. The earliest part of that is
25 simply a recitation of the findings. But then that last

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1 DR GANNON: Dr O'Hara would have known that cerebral oedema
2 is not a cause of death. He would have known full well
3 that that was not appropriate. What he's saying
4 I think -- and this is purely my own personal opinion
5 having known Dr O'Hara -- is that he has decided that
6 it is a clinical responsibility to provide a cause of
7 death, not a pathology responsibility, that he cannot
8 make the diagnosis of hyponatraemia, that the
9 hyponatraemia diagnosis is made by the clinicians and
10 therefore it is up to them to provide the cause of
11 death. He would have known that cerebral oedema was not
12 sufficient. He's done that deliberately.
13 Q. Thank you. The coroner has expressed a view as to what
14 he would have liked to happen insofar as Dr O'Hara -- we
15 see it at 013-052-280. The background to this letter is
16 he's trying to see if he's functus officio or not and
17 whether he can conduct an inquest into Lucy, but that's
18 not the reason I'm taking you to this; it's because of
19 what he deals with here. He says, I think it's the next
20 page, 281, right at the top:
21 "Whilst he does not give a formal cause of death,
22 his findings point to hyponatraemia as being
23 implicated."
24 If you see the date, it's 30 April, so he is
25 reaching this view from Dr O'Hara's June 2000 report:

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1 "In my view, Dr O'Hara should have contacted me on
2 completion of the post-mortem examination and suggested
3 that it be converted into a coroner's case."

4 Can you see why the coroner has that view,
5 Dr Gannon?

6 DR GANNON: I can see why he has that view. At the time
7 I think that Dr O'Hara of the same opinion. He was
8 looking for a natural cause of death and found what he
9 considered to be a suitable natural cause of death.

10 Q. Why was he looking for a natural cause of death?

11 DR GANNON: Because that's what we do when we do an autopsy;
12 we look for a cause of death and he found a disease
13 process which, in his opinion, would have been
14 sufficient to have caused death which was a natural
15 cause of death.

16 Q. I thought I heard you to say he was looking for
17 a natural cause of death.

18 DR GANNON: He was looking for a cause of death and he found
19 a natural disease process which would have been
20 sufficient to have caused death.

21 Q. Professor Lucas?

22 PROFESSOR LUCAS: Well, yes, that is what pathologists try
23 and do. They find -- they want to find -- and
24 ideally --

25 Q. What are they trying to do? Are they trying to find --

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1 autopsy is for.

2 MS ANYADIKE-DANES: Can I put this very final question to
3 both of you? Given how the matter was left on the face
4 of Dr O'Hara's June 2000 report, in other words he's not
5 able to assist in giving a definitive cause of death,
6 can't resolve that problem or resolve all those clinical
7 queries that come to him on the request for autopsy, are
8 you surprised that nothing at the Children's Hospital is
9 done further about trying to identify how and why Lucy
10 died? Dr Gannon?

11 DR GANNON: I would have expected the clinicians to have
12 come back to Dr O'Hara and had more discussions about
13 the findings and what they would consider the relevant
14 clinical information and come to a consensus diagnosis.
15 It does seem to have kind of stopped in mid-air and not
16 actually gone any further. That would have been
17 an issue. Having said that, we have had cases that were
18 retrospectively turned into coronial cases and it was
19 always the clinician that contacted the coroner
20 directly. So I'm assuming that Dr O'Hara would have
21 thought that the clinicians may have turned it into
22 a coroner's case. That's what normally would happen or
23 in my experience that's what normally happens is that
24 the clinician, on reading the post-mortem report or
25 actually being present at the time of the post-mortem,

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1 I beg your pardon. Are they trying to find the cause of
2 death or trying to see if there's a natural cause of
3 death?

4 PROFESSOR LUCAS: Well it's both. You want to see what the
5 cause of death is and see if it's natural. There will
6 be a bias to finding a natural cause of death because
7 that's always more -- what's the word? -- more
8 convenient.

9 THE CHAIRMAN: Probably because that's mostly what happened?

10 PROFESSOR LUCAS: Thank you, Mr O'Hara. That's mostly what
11 happens.

12 THE CHAIRMAN: Most people die naturally.

13 PROFESSOR LUCAS: Yes, they do.

14 THE CHAIRMAN: But the twist is that you don't just go to
15 find any natural cause of death which might fit, you
16 have to be sufficiently satisfied that the natural cause
17 of death which you have identified applies with that
18 particular child.

19 PROFESSOR LUCAS: That's correct for that particular case.
20 This has been a -- and you encapsulated it very well --
21 particular bugbear of the coronial system, which kind of
22 short-circuits things a bit. Here we are talking about
23 a consented case where one would have thought, just as
24 a matter of principle, that things would be gone into in
25 even more detail because that is what the consented

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1 has said, "We need to phone the coroner about this one",
2 and it's the clinician's duty that's done(?) that.

3 Q. And Professor Lucas, in your experience, are you
4 surprised that matters seem to have rested where they
5 were?

6 PROFESSOR LUCAS: Yes, I am, because we know what happened,
7 we know that after the June 2000 report, by this time
8 a death certificate had been issued, which was more or
9 less correct, given some bits here or there. You'd have
10 thought that the clinicians had gone back to the
11 pathologist and said, "Hang on, this doesn't really add
12 up", he'd have looked at it and issued another one, an
13 addendum, as a follow-up, to say, "Forget the previous
14 version; this is what we now think actually happened",
15 then other decisions could be made about referring to
16 the coroner and so on. So it is odd that there is a
17 gap, that there seemed to be no review at the
18 clinicopathological level instituted, in a way, by the
19 clinicians who must have been very puzzled when they
20 received the report of 2000.

21 MS ANYADIKE-DANES: I don't have any other questions.

22 THE CHAIRMAN: Unless either of you has anything further to
23 add, you're free to leave. Thank you. You have covered
24 all the ground you want to cover?

25 PROFESSOR LUCAS: I think so, yes.

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1 THE CHAIRMAN: Thank you very much indeed. We'll take
2 a break for 10 minutes and tidy up some bits and pieces
3 before we finish for the day.
4 (The witnesses withdrew)
5 (1.55 pm)
6 (A short break)
7 (2.10 pm)
8 THE CHAIRMAN: Mr Stitt, can we take up where we left off
9 yesterday?
10 MR STITT: Yes, I can, Mr Chairman. Dealing, if I may,
11 firstly with the additional documents. We were focusing
12 on the notes and the records that were compiled in
13 handwriting.
14 THE CHAIRMAN: Yes.
15 MR STITT: Enquiries have been made from both Sister Little
16 and Margaret Doherty. What we are proposing to do is to
17 submit a letter to the inquiry tomorrow, setting out and
18 answering the questions which were raised yesterday, so
19 it's there as a matter of record. Also,
20 Margaret Doherty has referred to pagination. My copy of
21 the bundle is not paginated, so we feel for the
22 avoidance of any doubt that the paginated copy should
23 accompany the letter. It'll be the same documents, just
24 with the relevant pagination, just in case my bundle is
25 perhaps out of sequence or something.

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1 the originals of the handwritten versions?
2 MR STITT: Yes. Those are the documents which were --
3 I'm sorry, what you have is what was found.
4 THE CHAIRMAN: What we have is a copy of what was found on
5 the file?
6 MR STITT: The only documents which are known to be in
7 existence that came out of the brown file that
8 I referred to yesterday are those copies which have been
9 photocopied, hence some are paler than others; the
10 actual original documents in the file have been secured.
11 Now, whether they're original documents, which I suppose
12 some of them might be -- the handwritten could be -- but
13 the notes clearly -- the clinical notes aren't, they'll
14 just be photocopies of the hospital notes.
15 THE CHAIRMAN: Okay. Well, could I ask you -- in the letter
16 which comes to us tomorrow, we'd like to know how
17 Sister Little came to write her five-page note.
18 MR STITT: Yes, that's one of the enquiries we've made.
19 THE CHAIRMAN: We'd like to know whether she had any
20 managerial or supervisory role at that time. We'd like
21 confirmation of whether she was gathering information
22 for Mrs Doherty. And I think Mr Quinn raised a point
23 that it would be helpful to know why the nurses were
24 looking at the fluid records because there are
25 references in these notes which seem to point in that

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1 THE CHAIRMAN: When you're talking about pagination, do you
2 mean the inquiry's pagination?
3 MR STITT: No, this is the internal pagination, about 18
4 pages. She would wish to refer to pages 11 to 14, for
5 instance, and I would just want to make sure the inquiry
6 is not in any way confused or misled by what she's
7 saying, although it is fairly straightforward, there's
8 no great magic to it.
9 THE CHAIRMAN: It might not be feasible to do this for
10 tomorrow, but could we have a typed transcript of the
11 notes, which would involve Sister Little and Mrs Doherty
12 effectively dictating what's in the handwritten forms so
13 there's no query later on about what an abbreviation
14 means or whatever?
15 MR STITT: Yes, that can be organised. Mrs Doherty retired
16 in 2003, but there's no reason why she could not come
17 into some office in Altnagelvin and use the facilities.
18 THE CHAIRMAN: I think most of it is clear, but we had
19 a doubt yesterday about one or two words which were
20 faded. While we have copies, do you have originals of
21 these notes?
22 MR STITT: I don't.
23 THE CHAIRMAN: The hospital does?
24 MR STITT: We have got originals of hospital notes, yes.
25 THE CHAIRMAN: These handwritten notes, does the Trust have

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1 direction. Okay?
2 MR STITT: Those five points have been noted.
3 THE CHAIRMAN: Thank you very much indeed.
4 MR QUINN: Mr Chairman, for our part we should make number
5 six. We would like to know about the sharing and the
6 distribution of this record, with whom it was shared and
7 who it was sent to. Obviously, it was made for
8 a reason. It looks as though, on the face of it, and
9 I comment no further, that it was made as part of an
10 investigation. So who, as it were, asked for the
11 investigation and who received the investigation records
12 or notes or whatever was made arising out of that
13 investigation?
14 THE CHAIRMAN: Okay. If that could be covered too,
15 Mr Stitt.
16 MR STITT: We'll do our best to answer that. I won't
17 speculate, but we can do our best to answer that, and
18 we'll ask those questions of the two witnesses.
19 THE CHAIRMAN: The more information we have about this in
20 the very near future, the more we'll know whether it's
21 necessary to recall any witnesses or whether it's
22 necessary to probe further beyond the notes.
23 MR STITT: Yes. All those points have been noted and will
24 be dealt with. And everything will be dealt with by
25 tomorrow with the exception, possibly, of the typed

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1 version of the notes, although that might be possible to
2 achieve.

3 THE CHAIRMAN: Okay, thank you. Was there anything else
4 that you wanted to deal with?

5 MR STITT: I wanted to address you, sir, in relation to the
6 outstanding statements. The position is that I
7 indicated yesterday that there were three persons from
8 whom we had not received an acknowledgment. What we did
9 was we e-mailed to them a copy of the relevant portion
10 of the transcript where you made it clear that this was
11 a matter of importance and the steps which you might
12 have to consider where there was no response, so each of
13 the three have received that.

14 We have received an e-mail from Dr Martin, and
15 hopefully he will be in a position to comply with your
16 direction. We can no do more than inform him as clearly
17 as possible as to the time limits and your views.

18 THE CHAIRMAN: Just remind me, was Dr Martin the paediatric
19 lead at the time?

20 MR STITT: Dr Martin was the clinical director of women's
21 and children's services at Altnagelvin.

22 THE CHAIRMAN: Yes.

23 MR STITT: Mrs Dunn we have been unable to make contact
24 with. We tried to telephone her, we left a message on
25 her landline. We're not aware if she has a mobile.

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1 MR STITT: I'm dealing with my own copy and it doesn't have
2 anything ...

3 THE CHAIRMAN: Sorry, what happens, Mr Stitt, is when we
4 received the documents and distributed them, we put an
5 inquiry pagination on them. If we can get you an
6 inquiry-paginated copy, that might help.

7 MR STITT: If they could be e-mailed to the DLS.

8 THE CHAIRMAN: Yes.

9 MR STITT: And we will then ensure that -- it's much better
10 to keep the same uniform pagination, of course.

11 THE CHAIRMAN: Yes. And if there is anything that is out of
12 order, please let us know, because I'm not entirely sure
13 from the copy I have that everything is necessarily in
14 order. But if anything is out of order, we can be told
15 that. Okay?

16 MR STITT: Yes.

17 CHAIRMAN'S ADDRESS RE FUTURE HEARINGS

18 THE CHAIRMAN: Apart from the discussion which is going on
19 between Dr Haynes and Professor Young in relation to
20 Lucy, which is about what her possible lowest sodium
21 reading was, I think we have concluded this segment of
22 the inquiry.

23 About three weeks ago, I announced the programme for
24 the autumn. Since I did that, I have received some
25 contact through Mr Canavan, solicitor on behalf of the

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1 I don't believe that she's on e-mail. But every effort
2 is being made.

3 Mr Gilliland has telephoned to say that he
4 appreciates the importance of the timeline. Apparently,
5 he did ask at an earlier stage for an extension, but
6 that wasn't looked on too favourably. He has indicated
7 that he is working nights this week, which will give him
8 time during the day to complete the statement, so he's
9 well aware of your position.

10 THE CHAIRMAN: Good, thank you.

11 MR STITT: And the final point. Dr McCord, I believe
12 you have some information that you have received about
13 that.

14 THE CHAIRMAN: I do, and if I could have that by Friday
15 lunchtime, in the circumstances which have been
16 described to me, that's fine.

17 There's no further business on that, Mr Quinn?

18 MR QUINN: There's just one point, sir. On the pagination
19 that Mr Stitt mentioned earlier, in the bundle that
20 I have, which is headed with the letter from the
21 Directorate of Legal Services, my pagination runs at
22 316-085-001 through to 027. If that pagination were
23 perhaps kept in the same order, that would mean everyone
24 would be holding the same paginated bundle and we could
25 all see where this is going.

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1 Mitchell family, and I now understand that neither
2 Conor's mother nor grandmother intends to attend the
3 inquiry, and instead they've left it to the inquiry to
4 continue to cover areas which we feel to be appropriate.

5 This has led me to reconsider how to integrate into
6 the autumn schedule the issue about the 2002
7 hyponatraemia guidelines and their implementation, and
8 this issue is important because it is an illustration of
9 governance at the level of the Trust and the department;
10 it is also a comparatively recent illustration in that
11 it relates to events in 2002/2003.

12 In addition to that, we have already touched upon
13 many areas of governance in the evidence which has been
14 given to the inquiry, both in writing and in the
15 hearings here in Banbridge. That being the case, I have
16 thought it appropriate to reconsider which of the issues
17 on the published list of issues remains significant and
18 to develop a plan to explore those issues in the final
19 segment of the hearings in the autumn.

20 In doing this, I have been especially conscious of
21 the focus of the families beyond the deaths of their
22 children. That focus is on how they can be reassured
23 that what went wrong before will not be repeated. As
24 I understand it, each of the families accepts the
25 inevitability that mistakes are made in the health

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1 system as they are made in every other system. What
2 they do not accept is the failure or the refusal of
3 individuals and public bodies to acknowledge those
4 mistakes and to learn from them. My guess is that the
5 general public might share exactly the same interest.

6 Throughout the public hearings, evidence has been
7 given which could only cause concern to anyone who has
8 heard or followed that evidence. There has been
9 evidence of a dominant culture of keeping quiet about
10 mistakes which were made, even when those mistakes led
11 to the deaths of children. This has been put in
12 different ways by different witnesses. For instance,
13 Dr Carson said that as recently as 2000 it was common
14 for the National Health Service to advertise its
15 successes but not its failures. Dr Crean put it more
16 bluntly when he said, metaphorically speaking, that
17 doctors feared they would be shot for putting their
18 heads above the parapet. Within the last week,
19 Dr MacFaul and Professor Scally have added their
20 observations on this theme.

21 Against that, I have been told many times that the
22 picture has changed dramatically and for the better
23 in the last decade. I have been told that clinical
24 governance has developed to a degree which was
25 unrecognisable. The suggestion is that there is now

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1 headings in a moment.

2 The autumn hearings will give an opportunity to the
3 people who run the National Health Service, as it has
4 been reorganised in recent years, to demonstrate why
5 it is that the events which we have examined couldn't
6 happen again or are far less likely to happen again.
7 Those people will include doctors, nurses, trust
8 managers and departmental and other public officials.
9 I will be particularly interested to hear if any lessons
10 have been learned already from the evidence as it has
11 emerged at the inquiry and whether any changes have been
12 put in place. It would be disappointing if the relevant
13 people with power and influence were simply waiting for
14 my report and recommendations to the minister before
15 improving the service in areas which have already been
16 scrutinised.

17 In light of this reappraisal of the way forward,
18 I intend to change once again, I'm afraid, the autumn
19 schedule. The remaining elements of the governance in
20 Raychel's case, which we didn't touch upon or develop to
21 their fullest extent in the clinical hearing, will be
22 dealt with as already announced from Tuesday 27 August.
23 And as I've said before, we will sit from Tuesday to
24 Friday that week; we will sit from Monday to Wednesday
25 of the following week. At the moment, it's unclear,

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1 mandatory reporting of adverse incidents, that lessons
2 are being learned and that there is a greater
3 willingness to report doctors to the GMC. There is also
4 said to be more reporting of deaths to coroners. It is
5 also clear that in the specific area of hyponatraemia,
6 guidelines were developed, perhaps on foot of
7 Altnagelvin Hospital reporting Raychel's death to the
8 department, and that those guidelines have been reviewed
9 and updated on foot of the review by the RQIA.

10 It is not my function to try to re-organise the
11 National Health Service, nor am I capable of doing so.
12 Instead, what I have to do beyond scrutinising the
13 specific events which have been put under the spotlight
14 so far is to investigate how the systems and procedures
15 of statutory and public bodies have improved in the last
16 decade. This will involve examining whether the culture
17 which I have just referred to is still prevalent.
18 I will then make recommendations about what might be
19 done better and/or differently in future.

20 Against this background, I have reviewed the list of
21 issues and have decided, subject to any submissions or
22 suggestions from interested parties, to focus the autumn
23 hearings on the specific areas which have been set out
24 in the notes which have just been distributed to you
25 in the last 15 minutes. I will turn to those specific

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1 particularly in light of the latest evidence, whether
2 we will need to go into a third week or whether sitting
3 on the Friday of the second week would finish off the
4 governance hearing for Raychel. I can decide that when
5 I get a clearer picture over the summer after we've had
6 time to consider the witness statements which are coming
7 in this week, as you've just been hearing.

8 After that two or perhaps three-week period dealing
9 with Raychel governance, I will include the
10 implementation of guidelines and Conor's important
11 contribution as part of the overall governance section.
12 That being so, there will be no hearings in the weeks
13 commencing 9 and 16 September. You'll remember that
14 I said a few weeks ago that we would deal with Conor at
15 that point. Instead, the final governance section,
16 including Conor and the role of the department, will
17 start in early October on a date which I will confirm as
18 soon as possible.

19 What I intend now to do in Conor's case, in light of
20 what I've heard from the family, is to obtain from an
21 expert a review of the nursing and medical records for
22 the purpose of seeing how they comply with the
23 hyponatraemia guidelines which had been issued in 2000.
24 When that report is received, it will be forwarded to
25 what I think is now the Southern Trust, the successor to

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1 Craigavon. I will forward it to the Southern Trust so
2 that the Trust can indicate the extent to which it
3 accepts or rejects that report. I will then arrange to
4 call some witnesses who were involved in Craigavon in
5 2003, but it is the overall idea now that the Conor
6 segment might probably be dealt with in one week rather
7 than two, in the autumn, in early October.

8 If you would look for a moment at the three pages
9 which were distributed a few minutes ago, you will see
10 issues which are familiar to you. If you look at the
11 page which is headed "Chief Medical Officer and
12 Hyponatraemia Guidelines", I think the four issues on
13 that page are self-explanatory. There has been a query
14 raised a number of times about what the then Chief
15 Medical Officer and her senior officials knew about the
16 deaths of Adam, Claire and Lucy before Raychel's death
17 was referred to them. We want to explore what led to
18 the establishment of the working party which prepared
19 the guidelines and whether it was only the report of
20 Raychel's death or whether there was also other
21 information.

22 I need to hear from Dr Henrietta Campbell, who was
23 the Chief Medical Officer in 2004, to understand why she
24 said publicly what she did say about the deaths of the
25 children with whom the inquiry is concerned. And under

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1 Then I turn to the third page, which is
2 responsibility for quality of care. I think the first
3 issue is about who was responsible for the quality of
4 care from the point when trusts were established in the
5 early to mid-1990s until 2003. I think, in fact, even
6 this week we've heard more evidence about that from
7 Professor Scally yesterday and we've heard in the recent
8 weeks from Dr Carson, Mr Mills and the Western Health
9 Board witnesses. But to the extent that there were
10 issues before 2003, I'm concerned to find out how the
11 department actually knew what was going on in hospitals
12 prior to that time and then, since 2003, have the trusts
13 exercised their statutory duty to provide quality of
14 care, who have they been answerable to and how has that
15 reporting worked?

16 The final three segments on the page are really for
17 development by the department and by the Belfast Trust
18 in a way which I will explain now. I have heard it said
19 a number of times in this inquiry that the trusts in
20 particular, and I think also the department, are anxious
21 to reassure everyone that lessons have been learned,
22 that the Health Service has improved and that things are
23 much different now in 2013. As a way of testing that,
24 we will invite the Belfast Trust and the department to,
25 each of them, present a paper to the inquiry by the end

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1 the fourth heading, using Conor's case as an
2 illustration, we want to look at how the 2002 guidelines
3 were disseminated and how their implementation was
4 monitored and enforced. This is relevant because we've
5 heard from time to time over the last year of evidence
6 that there is a concern about how best to disseminate
7 and enforce various protocols, guidelines and new
8 sources of learning.

9 So I hope that that page is pretty much
10 self-explanatory. I'll invite you now to turn to the
11 page headed "Actions of Doctors, Nurses and Trusts".
12 What we're looking at here are the areas which have been
13 raised in evidence generally over the last year. Has
14 there been an increase in reports of serious adverse
15 incidents? How effectively are such incidents now
16 reviewed? For instance, are the families now inevitably
17 or regularly involved? Are there more reports to the
18 GMC? And so on, ending with the last point, which is
19 that if there is now more reporting, what has brought
20 about this change? A series of witnesses have touched
21 on that. We will seek over the summer to obtain
22 information from people like the GMC, the Nursing and
23 Midwifery Council, and we'll seek information through
24 the DLS from the trusts about how serious adverse
25 incidents are now investigated.

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1 of the summer in which they set out what the current
2 systems are and why they're significantly better than
3 the systems which have left us rather concerned and
4 unhappy over the last year.

5 After we have then heard in the autumn from people
6 like Dr Campbell and people who were involved with
7 Conor's case and the dissemination of the guidelines,
8 I intend that the final few days of the public hearings
9 in the autumn will be used to allow senior
10 representatives from the Belfast Trust and from the
11 department to come to the inquiry to explain and stand
12 over the paper which they present to us at the end of
13 the summer. In a sense, what we will be doing is using
14 that partly as a probing exercise on our part, but
15 partly as a public seminar at which people like the
16 Permanent Secretary, the Chief Medical Officer, perhaps
17 the medical director of the Belfast Trust indicate what
18 lessons have been learned and how things are better.

19 We've already heard in this part, particularly
20 through Dr McBride and the witnesses who gave evidence
21 about what happened in 2004 when Claire's case was
22 referred for the first time by Mr and Mrs Roberts to the
23 Royal, and we have some indication of what changes had
24 already taken place in 2004. But we want to hear from
25 Dr McBride, who has now moved, as you know, from the

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1 Royal to being the Chief Medical Officer, and from other
2 people, as to how that has developed since then so that
3 to the extent that public confidence might have taken
4 a bit of a battering, it might be in some way restored.

5 It might also be that we use those final days of the
6 hearing to look at ways in which things might be
7 improved better still and what is potentially coming
8 from across the water in England and Wales. For
9 instance, many of you will know that in the back of the
10 Mid Staffs report there is a debate at the moment about
11 introducing a statutory duty of candour. We will
12 explore in particular, I think with the departmental
13 witnesses, about the extent to which what is happening
14 in England and Wales might be brought over to
15 Northern Ireland.

16 So the purpose of outlining this is to give you
17 a clear idea of what will happen in the autumn, save
18 for, perhaps inevitably, giving you a date on which that
19 will happen, but I'll do that as soon as I can. I also
20 need to explain that this revised way forward, which
21 I've prepared over the last few days, I will now share
22 with the inquiry's advisers. They haven't seen it yet
23 and their views will be taken into account before
24 I absolutely finalise the way forward. I will also take
25 into account any views and suggestions which the parties

1 in the chamber today have to make.

2 I hope this isn't a controversial line that I'm
3 taking -- I don't think it is -- but if anybody has any
4 particular views or suggestions, it would be helpful if
5 we could have responses within the next fortnight.

6 Beyond that, is there anything that anyone wants to
7 raise from the floor today?

8 Then beyond that, ladies and gentlemen, thank you
9 for your support and contributions over this last
10 segment from the end of May. We'll see you on Tuesday
11 27 August, and we can all go and read Mr Doherty's new
12 book between now and then. Thank you very much.

13 (2.35 pm)

14 (The hearing adjourned until Tuesday 27 August)

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1 I N D E X

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