Dr Steen. / Dr Sands. MR young Consultation.

Date: Ref: File Name: Location:

7/4/2006. Kgh/1/134. Clarke Roberts.

DoB. 10/1/87. DoD 23/10/96.

Inquest 25/4/2006.

Dr Brigham Consultant Paediatric Anaesthetist. 14-10-5.

presumptive diagnosis Viral ~~infection~~ /illness

Professor young Clinical Biochemist

Anti Diuretic Hormone - retains fluid

in what circumstances does brain release the ADH. - response to increase in Na in the bld (normal cncs.) Abnormal cncs where ADH produced —

say inflammation to the brain
↓
ADH.
↓
H_2O returned
↓
Na in bld

DR Webb - will come to explain p4. Normal Biochemical profile.

bld taken 9pm evening following admission. (cannot be precise

delay in repeating the bld test.

bld test every 24 hrs - in this case bld test 25 ~~hrs~~ hours.

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- Does not think this 1 hr delay caused any probs - had any significance.
- Believes that Na probs more likely to cause brain injury in children than in adults
- Dr Brangam says that record 121 wrong/inaccurate – she not given enough fluid
- Hyponatraemia caused by enc——.

if recognised the Na low on admission – possible to alter fluid mangement + avoid Hyponaetaemia—
impossible to say what would have been the outcome—
would have been different.

Speak to Dr Webb. – were family told the extent of illness.

∴ process of recovery.

Why did he write Na room when 132!

bb&Co. Brangam Bagnall & Co. Solicitors

132 - 121 w/i 24 hrs - leads to swelling of the brain — !!

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The 121 result - Na seems to be measure in ICU - (Labs result.) (~~was~~

129 - measured in ICU on bld gas analyser - no proper control of Na on such monitors - it may well have been inaccurate. Mr Young believes that 129 inaccurate rather than Lab test. 121.

Discussion

How was the sodium managed once identified as 121.

alternative strategy

aggressive treatment - more concentrated solution (standard practice in adults)

- which was the predominant condition.

- hyponatraemia v en

(Bingham says that vol. of sol such that 132 - 121 could not have happened ∴ 121 incorrect.)

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Young says 121 correct unless prob with taking bld –
Say from an arm with a lift

132
↓
121
↑
129.

} Raised after intervention.

family only consented to a limited brain pm.

Extent of enc

family believes that they were misled

Could have an expert who says hypo primary cause of death and encephalopathy.

Dr D Webb's letter to family 28/2/97. "Low grade infection"

Why

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Mr Young

This is not the same as the other cases as this child did not start with a normal brain.

The rate of fall of Na.

Require Dr Macrochie

See letter 12/1/05. Answer to Mr + Mr Roberts Questions.

Σ

= family want death certificate amended and included in Public Inquiry.

See answer 8.8 (b) Letter 12 January 2005.

Death Certificate written Date of death but PM months later.

Hyponatraemia not mentioned on Death Cert but expressly mention in the referral to the pathologist.

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- what / why bld test delay to 25hrs - was it an after thought?