From the Chief Medical Officer Dr Henrietta Campbell CB



## Department of Health, Social Services and Public Safety

Arı Rolnn

Sláinte, Seirbhísí Sóisialta agus Sábháilteachta Poiblí

www.dhsspsni.gov.uk

18 MAR 2004

SPERRIN LAKELAND YOUST C.E. OFFICE 1 2 MAR 2004 RECEIVED

Chief Executives of Acute / Acute & Community Trusts

Please confirm current situation and any recent audit to enable me to restord of April & Will 14/3

Castle Buildings Stormont Estate Belfast BT4 3SQ

Tel: Fax: Email:

Your Ref:

Our Ref: 4 March 2004 Date:

Dear Colleague

## PREVENTION AND MANAGEMENT OF HYPONATRAEMIA

In March 2002, guidance on the prevention of hyponatraemia in children was issued to all Trusts. The guidance emphasised that every child receiving intravenous fluids should have a thorough baseline assessment and monitoring to prevent the development of hyponatraemia. An A4 sized black and white copy of the guidance is attached and it may also be accessed on the Departmental website www.dhsspsni.gov.uk . Large laminated posters were distributed to all Trusts which should now be displayed in appropriate clinical areas.

When the guidance was issued, Trusts were encouraged to develop local protocols to complement the guidance and to provide specific direction to junior staff. Emphasis was given to the need to ensure implementation of the guidance in clinical practice. It was also noted that the guidance should be supplemented locally in each Trust with more detailed fluid protocols relevant to specific specialty areas.

Following the development of guidelines for fluid replacement in children the Clinical Resource Efficiency Support Team (CREST) drew up guidance on The Management of Hyponatraemia in Adults. These guidelines focussed on the diagnosis and treatment of hyponatraemia in adults and included infusion guidelines. This was made available in the form of wall charts which were circulated widely last year. [Further copies are available if required from the CREST Secretariat The purpose of this letter is to ask you to assure me that both of these guidelines have been incorporated into clinical practice in your Trust and that their implementation has been monitored. I would welcome this assurance and ask you to respond in writing before 16 April.

Yours sincerely

Dr Henrietta Campbell

Copied to: Medical Directors of Acute Trusts Directors of Nursing, Acute Trusts Chief Executives of HSS Boards Directors of Public Health

Every Acute Area (Ms Kes)

Lid Manages

-Follow dieck that are drappinged

forwarded

request via

email

Monday 22/3/011

Working for a Healthier People

036c-062-134

FILE TO FEE CHAINS, THE CONTROL OF STREET OF Any child on IV fulds in ord hendra bon II potentially at this of hypotagraemia

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due to the administration of excession happings tate Complications of hyponatraemia most offen occur fluid to a sicked ild usually intravendusty.

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Replacement Fluid

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waiting the seruth section.

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OXERTARY serums colluming consideration

Clinical state needeling the participal status. Pain, yourding and general well-being should be documented.

Fuld balance, must be assessed of least overy 12 hours by rocorded and IV Intake reduced by equivalent Intakes All oral mulds (including medicines) must be in experienced member of clinical staff. amount

Output: Measure and record all losses (urine, vomang, Ita child still needs prescribed fluids after 12 hours of starting their requirements should betreassessed by godlarrhoea, atc.) as accurately as possible

least once addy mote often if there are significant line Calochemis try: Bigodisampling for URE is essential at losses or If childal course is not as expected. a senior member of medical sculf.

The rate at which sodium falls tares important as the accompanied by rapid fluid shifts with major clinical plasmalivel Asodimentalis quickly may be consequences

Consider using attindwelling hepartnised cannula to Tabilitate repositives. MINICATION OF THE CONTROL OF THE PROPERTY OF T

definitionants The glucos errequirements, particularly

by the anucloant isogium and por assium of wery coung children in that also be mot

Replacement fluids must reflect fluid jost. In most uttrations if the uniques a mainment society con our office of significant controls.

Capillary samphas and adequate If venous sampling is not Do not take samples, from the same limb as the IV infusion practical Eline bsmolarify/sodium: Yery usefullin hyponatraerna. Paddiatician of a Chemical Pathologist in interpreting Compare to plasma osmolarity and consult a senior reset to

Advice and clinical inpurshould be obtained from a senior Paediatrician, Consultaint Anaesthetist or Consultant member of medical staff, for uxample a Consultant The composition of oral raindration fluids along the composition of th Pronting may occur in eny child receiving Charical Pathologist ant In Index of control action. Vigitance is sed for all children receiving Intids.

In the event of problems that cannot be resolved locally. The particular Sought from Consultant Paediamicans/Anaistheustrathe PICU, RBHSC.