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INTRACRANIAL HEMORRHAGES AND LATE HEMORRHAGIC DISEASE ASSOCIATED CHOLESTATIC LIVER DISEASE

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Late hemorrhagic disease of the newborn (HDN) is characterized intracranial bleeding in infants aged 1 week-6 month due to severe vitamin K deficiency, occurring particularly in exclusively breastfed infants. Late HDN is still an important cause of mortality and morbidity in developing countries where vitamin K prophylaxis is not routinely practiced. Children with cholestatic liver disease are at risk for developing secondary vitamin K deficiency because of fat malabsorption and inadequate dietary intake. In this study, we described 11 infants (4 female, 7 male) with cholestatic liver disease with different etiologies exhibiting intracranial hemorrhage (ICH). Six patients underwent surgical evacuation of ICH, following the administration of vitamin K and / or fresh frozen plasma. The possibility of cholestatic liver disease should be considered in the treatment of ICH due to vitamin K deficiency.

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CHILDREN WITH SEVERE DEHYDRATION TREATED IN INTENSIVE CARE UNIT

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The object of study was to present children with severe dehydration caused by acute diarrhoea, due to the acute diarrhoea treated in Intensive Care Unit of the Paediatric Clinic.

The examinees were infants and preschool age children hospitalized on this ward during 2007.

The diagnosis was based on clinical assessment and laboratory tests.

During 2007, 657 children of different age were treated in Intensive Care Unit. Out of that number 462 (70.3%) cases were infants, whereas only 42 (6.3%) were preschool children. The highest number of them 196 (29.8%) were cases with severe dehydration caused by acute diarrhoea syndrome;

in addition to this number there were 187 cases (27.7%) that dehydrated due to decompensate bronchopneumonia, whereas 12 (1.8%) cases were patients with acute intracranial infections. With regard to the types of dehydration, there were 100 (51.0%) cases with isonatremic dehydration, 54 (27.55%) with hyponatremic dehydration and 42 (21.42%) cases with hypernatremic dehydration. The lowest pH level was 6.80, the excess of alkali -30 mmol/l, urea up to 18 mmol/L. The rehydration has been administered on the basis of clinical assessment of dehydration level, correction of electrolyte disturbances, types of dehydration and correction of the metabolic acidosis and the anti-diarrheal diet.

Severe dehydration still prevails as urgent condition in the Intensive Care Unit, being a medical and social issue.

Keywords: Severe dehydration

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SMALL FOR GESTATIONAL AGE NEWBORNS (SGA) AND COELIAC DISEASE: A CASE-CONTROL STUDY

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A SGA birth could be a symptom of undiagnosed CD in mother. Early diagnosis and treatment may avoid damages (1).

Aim: To determine the prevalence of untreated CD among SGA mothers (SgaM).

Methods: From September 2007 to October 2009, SgaM (cases) and Nga mothers (NgaM) were enrolled. Exclusion criteria: twin birth, artificial insemination. Blood samples were taken (5 cc) and antihuman IgA and IgG classes antitissue transglutaminase antibodies (IgA and IgG anti-tTg ab) were tested by ELISA commercial kit (Eurospital, Trieste, Italy); total IgA ab were tested. Statistical analysis: Fisher exact test, Odd ratio (OR).

Results: 193 SgaM (mean age 31,7 y) and 230 NgaM (mean age 31,1y) were enrolled. SGA newborns were like NGA newborns except for the for the body weight at birth ($1977 \pm 584,5g$ vs. $2830 \pm 701,6g$; $p < 0,05$). SgaM had an higher risk of spontaneous