

Dear colleagues,

My dear friends,

This year Balkan Medical Union is celebrating the 80th birthday. For lady of that age she looks very healthy despite of political and economic crisis and other problems which are present in the whole world. This vitality BMU owe to her principles which are incorporated in her motto: PEACE, HEALTH, FRIENDSHIP.

Balkan is very fragile region due to its geographical position. Nobody knows how many armies of conquerors crossed Balkan and how much blood was poured in this region. The evil is universal but goodness is sporadic. The members of BMU are health workers (doctors, dentists, pharmacists, biochemists), people with high human and ethical principles. They are group which heal all wounds and spread goodness and comfort over frontiers. For health workers there are no national, religious and race differences between people. They work for wealth being of the whole humanity. This is why Balkan Medical Union survived all international conflicts and why it has future.

Happy birthday to all members of Balkan Medical Union!

*Professor Bojanic Vladmila
Congress chairman*

V Bojanic'

**32nd BALKAN MEDICAL WEEK - Nis, SERBIA
32eme SEMAINE MEDICALE BALKANIQUE - Nis, SERBIA**

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O50 The impact of the antenatal care on the neonatal outcome

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Introduction. There is strong evidence that the appropriate antenatal care can improve the perinatal outcome via reduction of preventable antenatal risks of the mother and her child.

The aim of this study was to determine the correlation between the number of antenatal routine visits and the neonatal outcome, regarding several indicators: early neonatal mortality rate, incidence of large for gestational age (LGA) and small for gestational age (SGA) babies, birth asphyxia, prematurity rate, perinatal infections.

Methods. The study was prospective within one year period, obtaining the data out of the women's/ newborns' records. Leading point was the recently implemented Clinical Guidelines (for antenatal and neonatal care).

Results. The results showed that there is high negative correlation between the number of antenatal routine visits and early neonatal mortality rate, premature births and incidence of perinatal infections ($r=0.68$, $r=0.71$ and $r=0.78$ respectively); the correlation coefficient was of medium range for the number of antenatal visits and the incidence of LGA and SGA babies ($r=0.48$ and 0.57 respectively). Low correlation coefficient was found for the number of antenatal visits and birth asphyxia ($r=0.37$). The exact numbers give clearer picture about the relationship between the indicators.

Conclusion. The detailed results clearly highlight the importance of the timely and appropriate antenatal care and the success of perinatal care in terms of preventing risk factors, leading to better outcome of the newborns, thus enabling appropriate growth and development of the child by implementation of the evidence based guidelines as crucial action.

Key words: antenatal care, neonatal outcome, newborn

O51 Peritoneal dialysis in extremely low birth weight newborns

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Introduction. Acute kidney failure is registered in 6-24% of critically ill neonates. Peritoneal dialysis is generally regarded as the optimal dialysis modality for neonates. Beside a rigid peritoneal catheter an alternative method is the insertion of intravenous (IV) cannula. The skin of the extremely low birth weight (ELBW) neonates is very thin, without subcutaneous fat tissue and the greatest problem is that sooner or later the dialysis liquid leaks into the cannula entry point.

Aim and Methods. We presented two cases of newborns (470 g and 890 g) who have developed anuric acute renal failure during hospitalization and who were treated with peritoneal dialysis – the first one for 6 h and the second one for 48 h.

Results. Following abdomen skin disinfection and subcutaneous administration of local anaesthetic, an IV cannula was placed in the peritoneal cavity in the left part of the umbilical region, using the blind technique. After the cannula insertion, the tissue adhesive, Epiglu was applied to the entry point. A three-way cannula was fixed to the cannula. One end was attached to the baby dose and a bag containing the dialysis liquid, while the other was attached to a drainage bag. There was no leakage of liquid, bleeding or other mechanical complications, ultrafiltration was excellent.

Conclusion. In all extremely low birth weight neonates with an IV cannula placed in the intraperitoneal region for the purpose of the peritoneal dialysis, there has been a very early leakage of the dialysate and the cannula got kinked. The problem might be solved by applying an tissue adhesive, as we did with our patients.

Key words: extremely low birth weight newborns, peritoneal dialysis

Abbreviations:

O – oral presentations; P – poster presentations; PL – plenary lecture

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