

Report on participation in 20th Congress of European Association of Intensive Care in Pediatrics and Neonatology “Care without borders”

The 20th Congress of European Association of Intensive Care in Pediatrics and Neonatology “Care without borders” took part in Verona, Italy, on 14-17 of July 2009.

Main goals of European Association of Intensive Care in Pediatrics and Neonatology are the following:

- 1) Promotion of intensive care in pediatrics and neonatology in Europe;
- 2) Promotion of the development of new treatment methods and technologies;
- 3) Promotion of interdisciplinary collaboration in intensive care in pediatrics and neonatology in Europe;
- 4) Promotion of research and educational actions in intensive care in pediatrics and neonatology, and of international congresses, post-diploma trainings, regional meetings.

Participation in the Congress was extremely interesting for the MCH Programme representatives because main directions of Programme activity correspond to the principles of Association activity, namely:

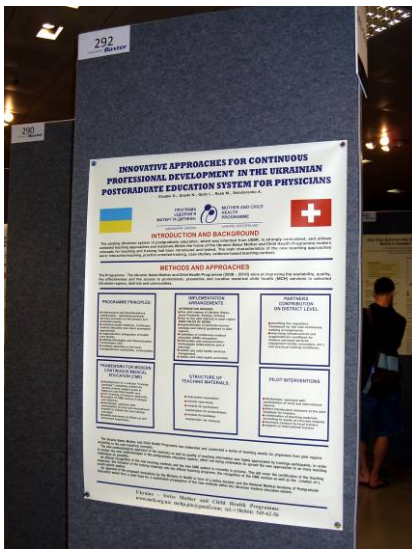
- Implementation of new EBM treatment technologies;
- Development of interdisciplinary collaboration;
- Educational actions in the system of post-diploma education.

The following topics have been included in the agenda of the Congress:

- Respiratory support in pediatrics and neonatology: physiology and pathophysiology of lungs; monitoring of respiratory functions; models of artificial lung ventilation; actual questions of modern methods of CPAP respiratory support, noninvasive ventilation, oscillating ventilation, extracorporeal membrane oxygenation; surfactant therapy;
- Hemodynamic problems in intensive care: monitoring of hemodynamic, stabilization of hemodynamic, intensive care in cardio surgery;
- Septic shock: new methods of diagnostic and treatment, multiple organ dysfunction;
- Metabolic dysfunctions of intensive care patients: control of glucose level, dysfunction of epinephroses;
- Aspects of nosocomial infection in intensive care units;
- Modern aspects of nursing care in intensive care units;
- Organ transplantation questions;
- Ethic in intensive care;
- Quality control in intensive care unit.

Congress organizing committee has become interested in Programme activity in the sphere of post-diploma medical education in Ukraine. Poster presentation (report) on

main directions of Programme activity has been accepted of the committee to be presented at Congress.



Programme poster at the congress

The aim of the participation at Congress:

- 1) Presentation of poster report "Innovative approaches to continuous professional development of Ukrainian doctors in the frame of Ukrainian-Swiss MCH Programme";
- 2) Attraction of new international experts to telemedicine platform;
- 3) Consideration of modern aspects of intensive care in the development of training modules;
- 4) Extension of professional level.

The report "Innovative approaches to continuous professional development of Ukrainian doctors in the frame of Ukrainian-Swiss MCH Programme" explains main aspects of Programme activity in the current phase. Main focus of the report is the improvement of current post-diploma education system through the implementation of modern training materials and decentralization of education system. Collaboration with pilot regions is based on the memorandum. Memorandum obliged the local administrations to create appropriate conditions for the implementation of modern perinatal technologies: repair of premises, purchasing of equipment, Internet access. It also obliged Programme to provide training activity. The Programme develops Integrated Training Package that will include training modules on obstetrics and neonatology actual questions, and as well educational materials for families that are being prepared to child birth. Training activity will be provided through the creation of training centers and preparation of local trainers. Short-term training seminars are to be provided on the basis of pilot facilities, considering their needs. Seminars will be provided by local trainers who will be supported by national and international experts. After the approbation in pilot regions, it is planned to accredit developed training materials for the post-diploma education system.

During the poster presentation at Congress, doctors from Poland and Russian Federation expressed their interest in the collaboration on the basis of telemedicine platform.



Participants of the congress

Aiming to extent my professional level, I have taken part in the working meeting “From the basics to advanced mechanical ventilation of children and newborns”. The meeting has been devoted to the aspects of mechanical lung ventilation of children and newborns, monitoring of state, modern researches in this direction. During Congress I have also taken part in the sessions devoted to actual questions of intensive care, namely:

- Artificial lung ventilation: strategy of volumetric lung disclosure, noninvasive ventilation, CPAP, ECMO, utilization of surfactant;
- Metabolic dysfunctions of intensive care patients: level control and correction of glycemia, dysfunction of epinephroses;
- ‘hot’ questions of neonatology: late prematurity, long-term effects of preterm delivery, pain control and sedation in neonatology;
- EBM role in practice;
- Quality assessment in intensive care;
- Resuscitation.

Information gained at Congress will be useful for the development of the following training modules:

- “Respiratory support of newborns”
- “Newborn state stabilization before transportation”.



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