***The founder of the Tomas Bata Regional Hospital is the Zlín Region***



**Supported by Norway Grants**

**“Increase in the level of comprehensive long-term monitoring of the neuromotor development of children with perinatal stress in the Zlín Region”**

**NF-CZ11-OV-1-010-2015**

**PRESS RELEASE**

**Perinatological care in TBRH will be improved with the arrival of 13 new devices acquired with the support of Norway Grants**

**Zlín –** Thirteen new devices have been put into use in the neonatal, paediatric, ophthalmology and ENT departments in the Tomas Bata Regional Hospital (TBRH) in Zlín. The devices were acquired this year for almost CZK 10 million. They will be used to improve the level of perinatological care at the hospital. The Ministry of Finance of the Czech Republic approved the grant from Norway Grants to cover 60% of the total expenditure, with the hospital paying the remaining part from its own sources.

“The modernization of the perinatological centre was important. It was necessary to improve the quality of diagnostic and therapeutic care in the area of eye defects, congenital heart defects, heart rhythm disorders, pathological findings in the brain and abdominal cavity, and others. With the help of these modern devices, we can provide a timely and accurate diagnosis. Parents will also no longer need to bring their child to a remote hospital for an examination,” said Jozef Macko, Consultant Neonatal Department, TBRH.

The joint Paediatric and Neonatal Outpatient Department has now been equipped with a sonographic device which allows examinations of the brain, heart and urogenital tract. The Ophthalmology Department now has a retinal camera at its disposal, and the ENT Department a flexible rhino-laryngo video endoscope.

The project, entitled “Increase in the level of comprehensive long-term monitoring of the neuromotor development of children with perinatal stress in the Zlín Region,” also includes training for the nursing staff.

“The physiotherapists in the Rehabilitation Department have completed a Respiratory Physiotherapy course and a Developmental Rehabilitation course which uses Prechtl's method. This method determines or eliminates the development of cerebral palsy in a child with 96 percent accuracy. The examination is non-invasive, recognized worldwide and does not put the child under any stress. The application of the method on children with perinatal stress will bring TBRH up to international standards,” explained Jozef Macko.

Two doctors from the ENT Department undertook internships at the specialized department in the AUDIO-Fon Centre in Brno. “The internship focused on teaching and training the participants to evaluate examination results using an objective audiometer,” added Jozef Macko.

Since 1997, the Neonatal and Gynaecological-obstetric Department at TBRH has served as the Perinatological Centre for the Zlín Region. Every year, the Neonatal Department hospitalizes almost 350 newborns in the Resuscitation and Intensive Care Department and in the intermediate section. Approximately 2,500 children are born at TBRH annually, of which more than 12% are children with a low birth weight. Of this number, 80 – 90 children are born weighing less than 1,500 grams. In terms of the number of births, the Zlín Maternity Hospital and Neonatal Department are among the largest in the Czech Republic.

Appendix

List and photographs of the acquired devices

(PHOTO: K. Havlíková)

19/10/2016

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**Appendix to the press release**

**List of acquired medical devices**

*Ophthalmology Department*

* retinal camera
* indirect binocular ophthalmoscope
* hand-held portable slit lamp

*ENT Department*

* clinical device for examining otoacoustic emissions
* device for examining the evoked auditory potential of the brainstem
* clinical tympanometer
* hand-held tympanometer
* paediatric flexible rhino-laryngo video endoscope

*Paediatric Department*

* ECG
* BP holter monitor
* ECG holter monitor

*Neonatal and paediatric Department*

* sonographic device

*Neonatal Department*

* device for examining otoacoustic emissions - rescreening



retinal camera



Up: clinical device for examining OAE

Down: device for examining the evoked auditory potential of the brainstem



hand-held tympanometer



sonographic device

indirect binocular ophthalmoscope



ECG

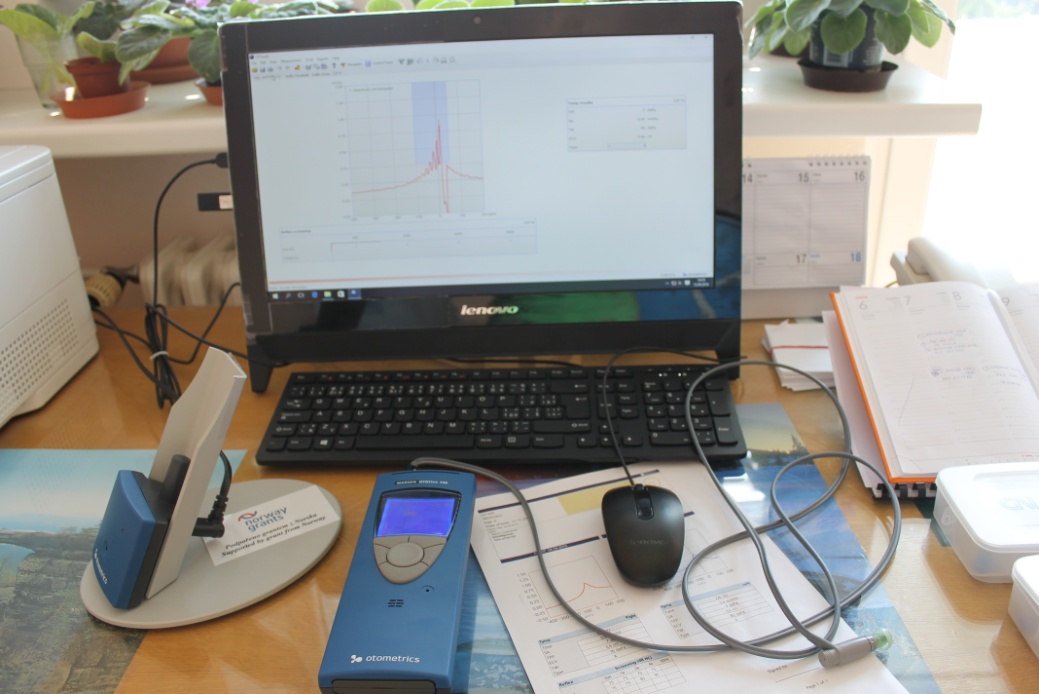
ECG holter monitor



BP holter monitor



hand-held portable slit lamp



clinical tympanometer



paediatric flexible rhino-laryngo video endoscope



device for examining otoacoustic emissions - rescreening