DIAGNOSTICS

Many of these innovations focus not only on quality and reliability of medical equipment and high standard of the services but on patients’ comfort as well. A good example for this is the new launch by HITACHI Echelon Oval - a 16 channel MPT with field strength of 1.5T, real-shaped and repeating the lines of the human body.

Among the high-end achievements is the newly developed with caution for human health diagnostic: endoscope capsule, based on communication with human body (HBC). The easily taken oral endoscope capsule (the smallest capsule ever 11 x 24 mm), sends via wireless signal high quality images from the inside (from the esophagus to the colon) with automated light control for longer-optimized observation. (working time over 11 hours), with largest number of shorts (3 images per second) and high-precision lenses system (visual field of 150°).

In addition to the advanced technology for data transmission IntroMedic in the MicroCam capsule they have integrated advanced technologies for image and lighting, which is a great advantage in performing capsule endoscope procedures. The Canon NanoEndoscopy system of Canon guarantees an unparalleled quality of the scope images and high standard of the image diagnostics. The technological solution is a new beginning in the dynamic/scope examinations, which was unknown up to the present moment (for these examinations all the producers of X-ray devices with Caps - either stationary or mobile, used detector digital system from one producer so the quality of images was small).

MobileDaRt Evolution WiFi is a mobile direct digital X-ray system, now with up to two wireless detectors – CXDI-70 and CXDI-80 from Canon. With the two detectors specialist can now have the most flexible mobile solution, offering easiness in movements, precise positioning and an unparalleled perfect image.

Among the exhibited products is also the mobile screening device Infrascanner for discovering zones with brain hemato mas in patients with cranial injuries on the basis of close infrared light. This scanner is useful with the initial examinations of patients as a complementation of the scanning with CT or when it is not available, but early treatment is a possible option as well as reduction of the secondary injuries. It is highly valuable with identifying high risk patients, who can be transferred quickly to orthopedic surgery office for CT and surgical treatment. Specialists will learn about new technologies in Telemedicine and new tendencies in 3D functionalities for image diagnostics.

The Health Centers can make use of the service Teleradiology for examinations in image diagnostics - X-rays, MRI, CT, by using advanced technologies, including internet transmission digital radiology images of patients.

LABORATORY EQUIPMENT AND STERILIZATION

The laboratory analysts can meet the newest products for quality processing of liquids EPPENDORF. The line EPPENDORF Physio-
Care offers advanced approach and products of highest precision and ergonomic design - hand-held pipettes, dispensers, eMotion automated pipette systems and others. There are also innovations in procession of medical waste. The integrated sterilizer and chopper (ISC) reduces the size and volume of waste and disinfests it in a single container. With the help of powerful chopper knives for about 10-15 minutes the waste not only turns into small pieces but also gets evenly steam sterilized. It is then turned into chopped, non-toxic, hard, dry and safe for disposal on a regular urban land-fill. The waste is dehydrated and eliminates the risk of contamination of wastewater.

An outstanding facility for hospitals, private clinics and dental practices is the new desktop steam sterilizer Sting 11B Premium. It is fully automated (the opening and shutting of the door is automated), it is high-speed and has a camber with 2.3 liters volume. It is reliable and has modern design and is very appropriate for packed materials, hollow instruments and porous loads especially in clinics.

An innovation in the field of sterilization is the big steam circular camera sterilizer 25 Bar/(138°C) for occasional or resalable stock, as well as and for top level and low cost stainless steel, image-guidance and drop-in the same container. The device works with sterilization agent of pressure vapor (work power up to 2.5 Bar/(138°C) for packaged or non-packaged supplies, as well as for heat and moisture-resistant materials at temperature ranges from 105°C to 138°C. Control system, based on the microprocessor and the modern “Freescale” technology controls automatically all the programs and provides the information to users in different languages.

ANALYZERS
Among the innovative products is the Swiss new series of hematological analyzers SWELAB® Alpha Cell Analyzer, providing exceptional quality, reliability and precision in hematological studies. The series of automated hematological counters includes 4 models, fully based on the latest technology for production of three differential hematological analyzers. Each model has unique and accessible software, option for defining patients’ profiles and many innovative functions for the hematological analyzers. The system has an ergonomic design and does not need additional support and is available.

For more information contact us at info@bulmedica.com or visit us at www.bulmedica.com.
Innovations with care about dentists and patients

Many of the innovations in the field of dentistry smooth work and higher quality of dental services as well as a greater comfort for patients during treatment.

For example, the technology piezo scaler Titone+ is most consistent with the needs of dentists and patients. It provides controlled temperature of the liquid and prevents irritation even with patients with sensitive teeth. The five preset programs (for endodontics, profflaxis, reconstrution, periodontology and one which is elective) save time, while the three regimes provide gentle but powerful cleaning. The handpiece with LED ring with 5 light emitting diodes provides perfect illumination of the treated zone, the removable stand and the stand of the scaler subject to thermosiliconization and sterilization. The improved kit includes 17 various piezo nozzles and covers all the zones of application. Many advantages distinguish the new system for introgional anhestetics: Anesto. The anesthetic is precisely put for just one tooth by injecting it directly into the bone and is effective in less than a minute. It is used for main anesthetic at difficult anesthetizing and as an additional anesthetic, when conventional anesthetics do not reach good results. Anesto is appropriate for patients, demanding smaller doses of anesthetic.

The first brought to performation recovery system of the frontal area COMPONER offers quality restoration of the front teeth. The polymerized, pre-designed monoblock polishes made of restorative material combine the advantages of the direct composite restoration with the advantages of pre-designed veneers. The system allows optimal customization (choosing the colour, shape and structure) providing one and the same solution for many patients.

Among the original solutions are the innovative endo denta oblitterations GP Points made of biocompatible materials. Bio GP Points are made of bioceramic materials. They make monoblock obliteration in the wall of the canal with the help of a scaler based on bioceramics and are distinguished by many advantages like biocompatibility, microceramic bonding, 30% - 40% higher X-ray contrasting compared to the traditional GP Points, natural colour, etc. Resinated Points are extremely appropriate for monoblock obliteration with a scaler based on resin, which leads to many advantages like reduced bacterial permeability