



Latest medical equipment on display at 20th International *Medicine and Health-2012* Specialised Exhibition

Much to offer patients

20th International *Medicine and Health-2012* Specialised Exhibition displays services and goods offered in Belarus, Russia, Ukraine, Denmark, Turkey, Austria, Poland, Italy, Latvia, the Czech Republic, China and Germany. Visitors were able to learn about the latest medical techniques, equipment and diagnostics, how progress is being made in preserving the health of mothers and children and how rehabilitation and sporting medicine has improved. Another section explored the promotion of healthy lifestyles.

By Victor Mikhailovsky

The *Medicines of Belarus* seminar discussed the efficiency of domestic medications while experts, patients and journalists compiled their list of the five most interesting developments by Belarusian scientists.

Protecting the liver

Medications to help prevent and treat liver diseases (hepatoprotectors) have been the focus

of Minskinterkaps enterprise. Overeating, leading to fatty deposits around the liver, excessive consumption of alcohol (or other toxic substances) and Hepatitis B and C all affect liver function.

Exercise for men

Magnomed domestic enterprise has created apparatus to help prevent and treat various dysfunctions specific to men, for use at home. Dr. Sergey Pletnev, who heads technical sciences, explains

that 'AndroSPOK' promotes virility while 'ArtoSPOK' eases aching joints (including back pain), proving useful for patients suffering from diabetes and osteoporosis. Six new innovations aim to improve the quality of life for those suffering from various illnesses.

Finding and neutralising

Adani enterprise has produced a mobile digital mammography unit, allowing women greater access to mammograms. Breast cancer can more easily be spotted in its early stages, allowing it to be treated with methods other than surgery. The mobile device allows women to receive a mammogram at home, which should encourage more people to register for the service. The innovation is highly accurate and is one of the safest worldwide — as proven by tests abroad. Meanwhile, it is 4-5 times cheaper than foreign counterparts. Its advantages are clear, as assessed by specialists from around the world. Spain, Mexico and Venezuela have all bought significant

numbers of the mobile device.

Assisting doctors and patients

As part of the state import-substitution programme, Belmedtehnika enterprise has released a pressure relieving mattress for hospital beds, which has been trialled by several Belarusian clinics. It is invaluable in ensuring the comfort and well-being of those obliged to remain horizontal — following surgery or due to serious burns. A patient can be easily moved on a new bed within a medical institution allowing to fulfil various examinations and the innovation is much cheaper than imported analogues.

Emergency care

Yunison enterprise's emergency ambulance has been produced as part of the state import-substitution programme. It can be equipped with a defibrillator, cardiograph, artificial respiration unit and various other modern equipment, as needed.

Favourable factors are discovered

By Oleg Veselov

Krichev to produce cement-bonded boards

An Austrian company is investing in the new factory, which is being located in a former meat processing plant. Eleven million Euros are being invested in the site, which is located close to the main supplier of cement: Krichevcementnoshifer.

Production should launch next year, with boards made from a 'sandwich' of cement and wood shavings, offering high thermal insulation and soundproofing, as well as quick assembly. This will allow comfort to be improved while speeding up the construction process.

According to Vitaly Bondarik, the Director General of Belzarubezhstroy (customer, general contractor and designer, as well as co-investor) the new enterprise will boast the latest equipment. It will produce high quality products while being competitive not only in the CIS but across the EU. Its technology has been tested with success and, although several small enterprises make similar boards in Belarus, volumes are insufficient to avoid the need for imports. The launch of the enterprise in Krichev should provide for all domestic needs, while allowing up to a quarter of panels to be exported.

German Company Binos has undertaken to deliver, install and trial equipment at the new plant, producing 60,000 cubic metres of boards annually: enough to build 420,000 square metres or about 7,000 apartments.

Fresh water trout farms to open soon

Three trout breeding enterprises launching in Mogilev Region in 2013

According to the 2011-2015 regional programme for precious fish production, new breeding facilities are to be built in the Krasnopolie, Cherikov and Kostyukovich districts, opening 2013-2014. Each is to produce 300 tonnes of fish per year, supplied initially from the Belarusian State Agricultural Academy's fish farm, which has been put into exploitation this year. Construction of similar facilities is now launching in the Bykhov District, coming into operation in 2013. Mogilevodstroi Holding JSC, which already boasts experience in fishery, is to act as both customer and general contractor.

The regional programme foresees the creation of seven trout and one sturgeon farm, while factories to process fish and manufacture special compound feeds are also planned. The pilot project is being realised as part of the state import-substitution programme.

MAZ and KAMAZ have major plans

Minsk Automobile Works (MAZ) has joined forces with Kama Automobile Plant to create the largest car manufacturer in the CIS and the Eurasian Economic Community

According to the Adviser of the Director General of KAMAZ, Eduard Rapnitsky, MAZ and KAMAZ are to work together to ensure their place among fierce competition. "From large blocks of shares in the two companies, we'll create a holding company to co-ordinate joint projects and sales, including the purchasing of component parts and

materials," notes Mr. Rapnitsky. "We believe it will be the largest in the CIS and Eurasian Economic Community. I'm delighted by our mutual understanding and hope that, next year, we'll be able to discuss the results of our collaboration."

Mr. Rapnitsky recently took part in the Minsk International Scientific and Technical Conference entitled *Innovations in Mechanical Engineering 2012*, dedicated to the 55th anniversary of the creation of the Joint Institute of Mechanical Engineering of the National Academy of Sciences of Belarus. It was organised by the Steel Institute of the National Academy of



Minsk Automobile Works' latest innovations on show

Sciences of Belarus, the State Committee for Science and Technology of Belarus, the Ministry of Industry and the Ministry of Education.

Scientific and technical developments by the Steel Institute were on display while the Republican Scientific and Technical Library exhibited

novelties of scientific literature. Over 100 reports were given, by academics, doctors of science and over 80 candidates of science — from scientific institutions, higher educational institutes and industrial enterprises in Belarus, Russia, Ukraine, Poland, Canada and Singapore.