

Global NEWS



“BALTIC Greetings” DR. WEIGERT IN THE BALTIC STATES



Latvia, Estonia and Lithuania build the so-called Baltic region – an area as big as 175,000 square kilometres and home to more than six million people. Dr. Weigert's partner concerning distribution and technology in the region is SIA BRAMA. The company is located in Siguldas, Latvia, and has been on the market for detergents and disinfectants since 2007, nowadays strengthening its position in the medical field as well. Dr. Weigert and SIA BRAMA have been working together for ten years now.

In Estonia, there are about 20 hospitals in the country altogether. Only two of these have a capacity bigger than 1,000 beds and 16–18 operation rooms (ORs): The Tartu University Hospital and the Northern Estonian Regional Hospital. Within the next five years, the smaller hospitals in Tallinn (the capital of Estonia) will be united in one big hospital. Latvia counts 71 hospitals, 21 of which provide day-to-day emergency assistance. Two of these are the Riga East University Hospital, and the Hospital of Traumatology and Orthopaedics.



The Riga East University Hospital (RAKUS) provides 2,037 beds, and the largest operation block in the Baltic with 22 ORs. The hospital is a multi-field medical treatment institution that provides extensive diagnostics and treatment. The hospital comprises five clinical centres and opened in 2016 after a reconstruction of the stationary “Gailezers” – the largest multi-profile provider of emergency medical services in Latvia. Per year, more than 70,000 patients receive stationary emergency medical care there.

In the Central Sterile Supply Department (CSSD), six washer-disinfectors (WD) are used daily for reprocessing thermostable and thermolabile instruments. The four WDs have a capacity of twelve DIN sieves, one has ten DIN sieves, and one has eight. Additionally, they are using

two ultrasonic baths with a capacity of 100 L and immersion baths with a capacity of 30 L for reprocessing flexible endoscopes and more complicated instruments.

The head of CSSD is Mr. Gatis Grinbergs, who can tell from experience: “The flexible endoscopes delivered from the emergency medicine centre are soaked and treated in immersions baths. For preparing the working solution, the high level disinfectant neodisher® Septo Active is used. So far, we have been using this disinfectant for more than two years and we have not observed any damage of endoscopic material. The results of regular bacteriological tests did not show any instabilities, which strengthens our confidence in this product. The CSSD staff who works with this disinfectant daily is very satisfied; it is easy to dose, the concentrate can't be spilled, it does not produce dust and it does not have the characteristic odour of peroxyacetic acid.”

The hospital of Traumatology and Orthopaedics (TOS) is the only specialised medical treatment institution in Latvia that provides primary and secondary care by highly qualified medical staff in cases of skeletal injuries, and for the prevention of complicated injuries, as well as orthopaedic and reconstructive surgeries in various types of skeletal and joint diseases. With its performance and provision of specific services, the hospital is the leading medical treatment institution in Latvia in the healthcare sector.

The TOS is equipped with 220 beds, and ten ORs. At the end of 2014, a new CSSD was opened, connected with operation blocks and other hospital departments in the old building. In the CSSD, one WD with a capacity of 18 DIN, and one with



the capacity of 8 DIN were installed, also one ultrasonic bath with a capacity of 30 L and equipment for cleaning lumens and surfaces with a steam jet.

Since 1997, Mrs. Inga Busa has been the head of the CSSD. She also is the head of the Latvian Infection Control and Sterilisation Association. From experience, she accounts: “Before complicated orthopaedic instruments are going to the WD after long operations, they are placed in an immersion bath or treated in an ultrasonic bath. For preparing the working solution, we use the detergent neodisher® MultiZym. After reprocessing with neodisher® MultiZym, the instruments are clean and shiny, and hinges in folding positions, as well as parts of the instruments that need to slide along the corresponding surfaces, move smoothly. We can use the detergent neodisher® MultiZym for practically all instruments (made from any material) that enter the CSSD from the ORs. This kind of pre-treatment makes the further processing of instruments in the WD very easy, because we can use standard programs. The staff working daily with neodisher® MultiZym is satisfied with the product: It comes with convenient packaging, shows good cleaning results and does not irritate the skin.”

DR. WEIGERT

Systematic Hygiene

neodisher® MediClean forte in use at the Marienhospital Gelsenkirchen

Interview with Mr. Arne Penger-Richter

The Marienhospital Gelsenkirchen is a modern hospital with 13 clinics and departments. Per year, 90,000 patients are taken care of by around 1,400 staff members. About a third of all patients are treated stationary in 579 beds. Since the restructuring of the endoscopy department in spring 2017, Dr. Weigert's neodisher® MediClean forte has been in use for the reprocessing of medical devices. At the same time, a central dosing system with so-called drumtainers by Dr. Weigert was initialized. Besides supplying neodisher® MediClean forte for the departments, the drumtainers also provide peracetic acid for the washer-disinfectors for flexible endoscopes.

One year after the introduction of the drumtainers as well as of neodisher® MediClean forte, we asked the head of the Central Sterile Supply Department (CSSD), Mr. Arne Penger-Richter, for his resumé on the results of the change.

Mr. Penger-Richter, as head of the CSSD you are responsible for flawless results of the cleaning and disinfection of the medical devices you are entrusted with. What is the scope of workload in the CSSD of the teaching hospital Marienhospital Gelsenkirchen?

The CSSD of the Marienhospital in Gelsenkirchen also takes care of the cleaning and reprocessing of medical devices delivered by the Sankt Marien-Hospital Buer. Altogether, we are talking about 46,000 items annually, two thirds from the Marienhospital Gelsenkirchen, one third from the Sankt Marien-Hospital Buer.

The amount of contaminated instruments and the degree of contamination are significantly determined by the departments they are used at, because different kinds of instruments are needed and applied. Which departments of the Marienhospital present the most challenges when it comes to cleaning and disinfection? Which departments use manual pretreatment for the instruments?

The contaminated instruments are in principal reprocessed according to manufacturer specifications. Highly contaminated coagulation instruments get wiped off with a moist compress soaked in fully demineralised water in the OR already. Contaminated instruments from the gynaecological department are pretreated for two minutes in an ultrasonic cleaning bath, using an enzymatic cleaner,



Fig. 1: Processing of medical devices using the mildly alkaline enzymatic cleaner neodisher® MediClean forte in washer disinfectors at the Marienhospital Gelsenkirchen.

before they are reprocessed in the washer-disinfector.

All medical devices are sent to the CSSD in a “dry” state and are then cleaned and reprocessed. Mondays usually present a higher volume of items, because instruments were used during the weekend. Exceptional cases are that items stay in the OR for ten to 20 hours before they are cleaned on the following Monday. On Sundays, the CSSD only provides on-call service.

Since spring 2017, the mildly alkaline cleaner neodisher® MediClean forte by

Dr. Weigert has been in use at your department. What were the reasons for that change and what product did you use beforehand? Which contaminations would you classify as particularly challenging?

While rebuilding the endoscopy department, we decided on a central dosing system there as well as in the CSSD. In the course of this process, Mr. Burkhard Haufschild, who represents Dr. Weigert in the region, played a significant role here: Dr. Weigert came up with a clear functional solution for the respective departments; furthermore, Mr. Haufschild suggested neodisher®

MediClean forte. In my opinion, the combination of neodisher® MediClean forte and Belimed WD290 WD can be clearly recommended! Six out of eight cleaning processes in our container washing facilities result in protein soiling of 0 µg – the benchmark here is 80 µg.

These results are outstanding; we have never had values like these in any validation before. Even cleaning results for gynaecological instruments without ultrasonic pretreatment were excellent. Gynaecological instruments are especially challenging when it comes to reprocessing, due to proteins and special surgical soiling. Before we used neodisher® MediClean forte, we used a similar competitor's product.

While restructuring the CSSD, you also replaced the traditional canisters with Dr. Weigert's drumtainers. Are you satisfied with the results? Can you see any advantages concerning the dosage of the products in use?

We are very satisfied with using the new drumtainers – they simplify the daily work routine enormously. Before using the drumtainers, 20-l-canisters had to be moved around; the handling for the staff – particularly for the female members of staff – is much easier now. The drums with rinsing agents needed for the container washing facilities only have to be exchanged every six weeks.

Is the use of drumtainers or of dosing systems in general especially advantageous in particular fields?

The delivery of drumtainers now takes place aside from the CSSD. This fact results in additional advantages such as space gain.

What else did you notice during and after the restructuring of the department?

I am especially pleased with Dr. Weigert's support and service. The service engineers and Mr. Haufschild acted very quickly and helped solving problems. In the beginning, we had problems with a particular lancet; these were solved very quickly. Furthermore, we were concerned with



Fig. 2: Commissioning of the container washing facility, using the cleaner neodisher® MediClean forte and the rinsing agent neodisher® MediKlar. Within the validation process, protein soiling of 0 µg were detected in 6 of 8 cleaning runs.

a white, floury abrasion on containers and the loading trolleys for the sterilisers. During the validation process, the engineers and Mr. Haufschild suggested a special program for the reprocessing of items consisting of anodised aluminium to achieve a better material protection. After implementing that program, the abrasion did not reappear.

How did the staff evaluate the changes?

Everybody was happy with the simplification in the daily work routines. Now no more canisters need to be moved around anymore – the drumtainers can be handled easily by every person in the department. The cleaning results are incredibly positive! According to my impression, the rate of items that need a subsequent cleaning has decreased significantly – by about 40 %, I would say.

Is there anything you would like to add?

We are highly satisfied with neodisher® MediClean forte. Without the central dosing system, in the set-up of which Dr. Weigert generated individual solutions on behalf of our department, the restructuring would

probably not have worked out the way it did. The use of the drumtainers and neodisher® MediClean forte is a significant and important simplification of our daily work routines.

Thank you for your time and feedback. We wish you all the best for your future work with neodisher® MediClean forte and our dosing system!

Sandra Mühlme, PhD

Product Management Medicine



NEW!

BEST PRODUCTS

neodisher® PreStop: The Corrosion Inhibitor for the Pre-Treatment of Surgical Instruments

neodisher® PreStop is a corrosion inhibitor for spraying onto surgical instruments in operating theatres directly after use

- for the prevention of pitting corrosion caused by residues of saline solution
- self-acting pre-cleaning already in the OR
- for surgical instruments, incl. MIS instruments

neodisher® PreStop is not a hazardous product according to the CLP-Regulation (EC) No 1272/2008.

Safe corrosion prevention:

neodisher® PreStop prevents pitting corrosion on stainless steel instruments caused by adhesive residues of blood or physiological saline solution.

Application recommendation:

neodisher® PreStop: is sprayed undiluted directly after surgery onto the surgical instruments in the disposal container ensuring a complete wetting. Keep disposal container closed.

Instruments treated with neodisher® PreStop can be stored for up to 72 hours. Afterwards rinse carefully and reprocess as usual.



**Stops Corrosion
Before it Sets in!**

Our Competence – Your Benefit

- Reliably prevents pitting corrosion
- Keeps the instruments wet
- Contains a self-acting pre-cleaning already in the OR
- Inhibits the growth of micro-organisms on instruments during contact time (bacteriostatic)



- Protects stainless steel instruments from irreparable damage and ensures a long-term maintenance of value
- Prevents the drying of surgery residues; instruments can be stored for up to 72 hours
- Facilitates subsequent cleaning
- Improves personnel safety associated with reprocessing instruments

Always on Hand
to Help with Hygiene –
in Europe and Around
the World.

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