

Revolutionising surgical procedures at the Umberto Parini Regional Hospital

More efficient teamwork, simplified
procedures and overall reduction in costs
with Mölnlycke® ProcedurePak® trays



About the Umberto Parini Hospital

Named after internationally renowned obesity surgeon Dr. Umberto Parini, the Umberto Parini Regional Hospital in Aosta was founded in 1773. Today, the hospital has a capacity of 295 beds, performs 1,800 interventions per year and is a leader in medical research. Mölnlycke® products have been an integral part of the hospital's equipment since 2014, enabling a procedural revolution for surgical teams and an economic turnaround for the administration.



The Bariatric, Metabolic and Advanced Laparoscopy Surgery facility at the Umberto Parini Regional Hospital is an Italian Society of Obesity Surgery (SICOB) accredited centre. Since 2015, it has been a European Centre of Excellence for Bariatric and Metabolic Surgery certified by the European Accreditation Council for Bariatric Surgery. Between July and December 2017, the facility conducted a trial of the Mölnlycke® ProcedurePak® trays for laparoscopic cholecystectomy to evaluate the economic benefits of implementing this new surgical approach.

Dr. Paolo Millo, Head of the Surgery facility, explains how the success of the trial has led to the expanded use of the procedure trays. 'The Mölnlycke procedure trays we currently use in our units were designed for laparoscopic cholecystectomy. Given the excellent results and the overall positive feedback, we decided to extend the use of this tray to other types of interventions, and we have now developed trays dedicated to bariatric surgery,' he says. 'The introduction of the Mölnlycke procedure trays has made operating theatre activities more fluid and helped to create a better working environment on every level.'

Standardisation, simplification and optimisation

The ProcedurePak trays help to standardise surgical activity and optimise the resources available to operating theatre staff, according to Dr. Millo. 'My staff and I were looking for instrumentation that would enable gains in efficiency while maintaining the highest quality standards,' he says. 'The turning point was last year when, at the request of the hospital's administration, we launched a project to analyse the costs of the Mölnlycke trays compared to other sets previously used for laparoscopic cholecystectomy. Initially, only a simplified basic set was available, and our collaboration with Mölnlycke proved crucial: constructive and proactive talks with the company enabled us to suggest the tools we needed to complete the existing Trays. Personally, I found in Mölnlycke® a willingness to offer choices and solutions, without imposing them.'

Alida Dussailler, Head of the Operating Theatre, highlights how the ProcedurePak trays have simplified the frenetic activity in the theatre, from preoperative preparation to procedure completion. 'Teamwork has clearly improved and is less chaotic: the appropriate tray is identified the day before and is available for the scrub nurse on the morning of the intervention, greatly reducing the risk of missing items which could lead to wasted time and slow everything down,' she says.

Key actions and achievements

- Introduction of colour coding to make it easy to order, sort, and store new trays
- Easy classification of costs by department
- Marked waste reduction
- Economic savings for the whole surgical department



Better overall organisation

The process of developing the trays involved the surgical team as a whole, explains Alida. 'We were invited to give our opinions on the choice of both gowns and surgical materials, which was very gratifying. Mölnlycke also facilitated the process by introducing codes that make it easy to order, sort and store new trays as well as charge their costs to individual departments,' she says. 'My work has been made much easier by the use of optical pens for the computerised management of materials. My colleagues and I find our jobs are less complex because each tray is unique, and there is a marked reduction in waste for disposal. Given the high-pressure nature of our everyday work, this is very important.'

Scrub Nurse Francesco Musto agrees. 'Compared to the single use surgical instruments we used previously, the Mölnlycke trays really speed up our procedures. The operating area is now ready in a short time, especially for emergency operations. Scrub nurses can open a single pack completely independently and carry out the necessary checks without needing the help of other colleagues, who can therefore get on with other tasks, such as prepping the patient,' he says. 'Not to mention the absolute sterility guaranteed by these trays and the advantage of using single use devices with much better infection control.'

Dr. Luca Montagnani, Head of the Anaesthesia and Intensive Care Unit, explains the advantages for his staff. 'We have introduced mini-trays for peripherally inserted central catheter (PICC) systems in our facility. This has allowed us to speed up processes, moving between departments without having to transport numerous packs. When inserting PICCs we can ensure the utmost barrier protection, and sterility,' he explains. 'Personally,

I have noticed a reduction in the time between one intervention and the next. I work closely with different surgical teams, so I can compare interventions in which the trays are used to those with different instruments. Looking at the work of nurses, scrub nurses and surgeons using the trays, I can see a better overall organisation, with the tasks of each individual better defined and a significant improvement in working relationships within the operating block when the Mölnlycke trays are used.'

Saving, striving, safeguarding

The hospital's Finance and Purchasing Director, Dr. Umberto Cout, outlines the economic drivers that led to the partnership with Mölnlycke®. 'Our goal has been to reduce waste and spending while striving for standardised processes of excellence,' he says. 'The key criterion that guided our choices, especially with regard to the range of materials needed for surgical interventions, was containing costs while safeguarding quality and safety.'

In the complex reality of a hospital, balancing budgets has always been a challenge, a daily battle between financial policies, the needs of health professionals in terms of efficiency and the needs of patients in terms of safety. The economic savings achieved through the introduction of these trays has had a positive effect on the balance sheet of the entire surgical department.

'Looking ahead, I am confident that the addition of more components to complete the trays will facilitate the use of the available budget. The contract with Mölnlycke has been renewed until 2019, and our objective is to continue on this path with new proposals and innovative solutions,' concludes Dr. Cout.

Key benefits

- Scrub nurses can work independently, freeing colleagues to attend to other tasks
- Absolute sterility and better infection control
- Reduction in time between interventions





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Head of the Operating Theatre



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Mölnlycke® ProcedurePak® trays

To help hospitals standardise and optimise their laparoscopic procedures, Mölnlycke® offers the possibility to add single-use surgical instruments and essential surgical components to its customised ProcedurePak® trays, conveniently packed together with the laparoscopic drapes, gowns and protective clothing, gloves, antiseptics and post-op dressings. A wide range of high-quality instruments and materials is available, for inclusion as required.

A quick and easy set-up of each intervention is one of the major benefits: using Mölnlycke ProcedurePak trays allows up to 40% reduction in the complete preparation time, from placing the order all the way through to waste removal, and may lead to an increase of procedures per year by 18%. With fewer packages to open, the risk of infection is reduced, as well as the amount of waste to manage. The increased efficiency results in reduced product spending and lower logistics costs. Patient safety is also improved thanks to such an accurate, consistent procedure set-up.

The procedure trays come with extensive support. Mölnlycke laparoscopic specialists are on call to offer professional advice and customers are also offered access to the Mölnlycke® Portal. Containing a value calculator, this online procedure-tray tool helps them to develop, analyse, change and estimate purchases of customised trays.

If you'd like to learn more about Mölnlycke ProcedurePak trays, please contact your local representative at:

Find out more at molnlycke.com

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