These hands performed 221 brain surgeries 2015

David Revez, Neurosurgeon
Why double-glove?

You give your all every day. You deserve all the protection you can get.

Your hands help to heal and save lives every day. Shouldn’t they be protected too? At Mölnlycke®, we think so. Double-gloving is a smart, easy and effective way to prevent avoidable injuries. And exposure to dangerous – and costly – contamination and infection. What if double-gloving was standard practice for you and the entire team in the operating room (OR)?

‘I handle sharp instruments every day, and I don’t always know if the patient has a blood-borne illness. I double-glove because exposure is a risk I shouldn’t have to take.’

Hanna Grimber, OR Nurse

A 2014 Cochrane Review concludes that double-gloving reduces the risk of an inner-glove perforation by 71% compared to single gloving¹. Using double-gloves reduces the risk of blood contamination by 65%, compared to single gloves¹.

An estimated 384,000 needlestick injuries occur in the U.S. every year², and up to 1 million in Europe³. What if everyone double-gloved?

Did you know new virulent species are emerging? We understand how this adds to the pressure of improving occupational safety and controlling costs. And preventing hospital-acquired infections (HAIs) is now a higher priority than ever. We’ve heard how authorities are responding to these challenges, to promote a safer work environment for you and your colleagues. The Centers for Disease Control and Prevention (CDC)⁴, International College of Surgeons (ICS)⁵, Association of Peri Operative Registered Nurses (AORN)⁶, and American College of Surgeons (ACS)⁷, all now recommend double-gloving for invasive surgeries. Plus further evidence supports making double-gloving standard for all surgical procedures – not just high risk cases⁸.
How the system works

The Biogel® puncture indicator system is made up of a dark-coloured underglove and a straw-coloured overglove. Normally, the overglove blocks out most of the underglove’s colour. When fluid gets between the two layers, light passes through the overglove and reveals the underglove.

Protection you can see

Detect punctures easily with the proven Biogel Indicator System:

Clear® – The inner glove colour physics are purposeful, selected to trigger sensitivity in the human eye
Fast® – The glove design highlights the puncture spot immediately and the visible indication grows quickly
Large® – The indication spot grows large so you can see it quickly – and so others can see it from a distance

97% The Biogel puncture indicator system detects up to 97% of punctures.
90% A 2014 Cochrane review concludes that indicator gloves reduce inner-glove perforations by 90% compared to standard double-gloves.

See what confidence feels like

You and your patients can feel better knowing that the puncture indications of the Biogel® Indicator® System are clear®, fast® and large®. Immediate detection means safety for you and for the patient. Just as important, the gloves are comfortable and easy to put on and take off.

‘These hands are essential to her, not just as a nurse but as a mother too.’

‘To clinicians who don’t double-glove, I say, ’Do it!’ It’s such a simple way to protect yourself and everyone else.’

Julie Karlsson, Trauma Nurse
To someone who’s concerned that double-gloving could reduce feeling, I’d say any loss is insignificant. Especially compared to what you gain in safety, for you and the patient. And that feels great.

Dr. David Revez

What if you could have protection you trust and the tactile sensitivity you need?

You can. Safety is a priority, but that doesn’t mean you have to compromise your ability to perform. An interview with 53 surgeons found no difference in dexterity or sensation between wearing no gloves, single gloves or double-gloves.

New Biogel® PI Micro – for extra tactile sensitivity

Biogel PI Micro is the brand new addition to the Biogel range. It’s 20% thinner than Biogel PI UltraTouch – so you can enjoy even more tactile sensitivity. Our new gloves are powder-free, sterile and synthetic – to eliminate allergies – but the fit, feel and comfort is just as nice as natural rubber latex. As always, Biogel puncture indication technology delivers proven protection you can trust.

Biogel PI Micro Indicator system gives significantly more vivid indication than other synthetic double-gloving combinations.

In a user evaluation, 85% of OR staff preferred the new Biogel PI Micro Indicator.

Most surgeons and physicians fully adapt to double-gloving within just two days.

85% TO ADAPT

‘To someone who’s concerned that double-gloving could reduce feeling, I’d say any loss is insignificant. Especially compared to what you gain in safety, for you and the patient. And that feels great.’

Dr. David Revez

‘I notice a small difference in tactile sensitivity, but there’s no question. I much prefer double gloving to single gloving.’

Mikael Barbu, Junior Doctor in Thoracic Surgery
Double-gloving with Biogel® is an effective cost-efficient way to reduce risk for you and your patients.

**Occupational exposure costs**

**In the US**
Did you know it costs an average of USD 2,456 to address a staff exposure to a HIV-infected patient? And on average USD 650 to manage an exposure to a patient with hepatitis C virus?

**In Europe**
Costs add up quickly in Europe too. In Spain, for example, the cost to manage an occupational exposure ranges from EUR 172 (if the source patient is negative for hepatitis B and C and HIV) up to EUR 1502 (if the source patient is positive for hepatitis C and HIV).

**Patient exposures**

**Problem: SSIs can increase hospital costs by 61%**
SSIs can double the average length of a post-op hospital stay (an average additional 16.8 days) and require an extra 7.4 days of antibiotic therapy. This means a 61% average increase in SSI-related hospital costs.

**Solution: 50% reduction in infections**
In a study of cerebrospinal fluid shunt surgery, double-gloving showed a 50% reduction in infections of the shunt, compared with single-gloving.

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Small investment. Big return.

What costs more? The relatively low cost of double-gloving, or dealing with staff and patient exposure to infection? Imagine the total cost if you or a colleague had to undergo expensive testing or prophylactic treatment. And for your patients, a surgical site infection could double the length of their hospital stay and require an extra week of antibiotic therapy.

‘After my brain, my hands are the most important part of my body. Without them I can’t do anything. They translate my thoughts into action.’

Yasser Abdalla, Neurosurgeon

‘It’s simple, really. Double-gloving is about security for the staff, the patient and the hospital. Cost should never determine whether you double-glove.’

Julie Karlsson, Trauma Nurse
‘If you make double-gloving routine, you’re less likely to forget to do it when the work gets hectic.’
Hillevi Björkqvist, General Nurse, specialising in surgery

How can we help you?

Our surgical sales specialists make starting your double-gloving policy seamless and worry-free. They’ll work with you to match the right material, features and size to your exact needs.

Our clinical nurse specialists are there to offer support with evaluations and educational programs. They can also provide you with guidance on important healthcare topics such as infection prevention, recommended practices and the proper use of surgical gloves.

Our team will even help increase OR efficiency and safety through education on correct glove use, glove standardisation and synthetic alternatives.

Biogel® Indicator® System

Clinicians value Biogel

• Clear, fast and large puncture-indication system*
• Every glove (100%) is air inflation tested for holes typically not detected in a visual inspection18
• Reduced chance of a hole with an industry-leading AQL result of 0.65 – competitor gloves are more likely to have a hole out of the pack18
• The only major surgical glove brand with a non-pyrogenic range* – reduces potential of fever, inflammation and other reactions
• Biogel gloves have been exclusively powder-free for more than 20 years

* Pyrogenicity: each batch of Biogel gloves is tested to have a low endotoxin level (<20 EU/pair)
Proving it every day

At Mölnlycke, we deliver innovative solutions for managing wounds, improving surgical safety and efficiency and preventing pressure ulcers. Solutions that help achieve better outcomes and are backed by clinical and health-economics evidence.

In everything we do, we are guided by a single purpose: to help healthcare professionals perform at their best. And we’re committed to proving it every day.

References:
12. Data on file, MHC.