These hands performed
221 brain surgeries last year

David Revez, Neurosurgeon
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 Health Care, 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. This is why it should be standard practice for you and the entire O.R. team.

“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, O.R. Nurse

71% 65%

A 2014 Cochrane Review concludes that double gloving reduces the risk of an inner-glove perforation by 71% compared to single gloving.

Using double gloves reduces the risk of blood contamination by 65%, compared to single gloves.
I always double glove, and have from the very beginning. It’s never been a challenge to work this way.

David Revez, Neurosurgeon

An estimated 384,000 needlestick injuries occur in the U.S. every year\(^1\), and up to 1 million in Europe\(^2\). It’s time for everyone to double glove.

**New virulent species** are emerging. Emphasis on occupational safety and controlling costs is increasing. Preventing hospital-acquired infections (HAIs) is a higher priority than ever. For those reasons, authorities such as the Centers for Disease Control and Prevention (CDC)\(^3\), International College of Surgeons (ICS)\(^4\), Association of periOperative Registered Nurses (AORN)\(^5\) and American College of Surgeons (ACS)\(^6\), to name a few, all recommend double gloving for invasive surgeries. And evidence supports making double gloving standard for all surgical procedures – not just high-risk cases.\(^7\)
These hands are essential to her, not just as a nurse but as a mother too.

This is what confidence feels like

You and your patients can feel better knowing that the Biogel® Indicator System’s puncture indications are clear⁹, fast⁹ and large⁹. 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.

Biogel Indicator System detects up to 97% of punctures⁹⁰

A 2014 Cochrane review concludes that indicator gloves reduce inner-glove perforations by 90% compared to standard double gloves⁶
Protection you can see

3 proven ways the Biogel Indicator System makes detection easy

Clear? – The color of the inner glove is selected based on color physics maximizing the sensitivity of the human eye

Fast? – The gloves are designed to make the spot following a puncture visible as fast as possible and the regions of indication to grow quickly

Large? – The size of the indicating spot is of course important. The Biogel indication is large and visible from a distance

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

How the system works

The Biogel 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.
The protection you trust.
The tactile sensitivity you need.

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 whether they wore no gloves, single gloves or double gloves.\(^{13}\)

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.

David Revez, Neurosurgeon
In a user evaluation, 85% of O.R. staff preferred the new Biogel PI Micro Indicator.

85%

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

2 days TO ADAPT

New Biogel PI Micro
For extra tactile sensitivity

Biogel PI Micro is the brand new addition to the Biogel range. It is 20% thinner than Biogel PI UltraTouch® for improved tactile sensitivity. The gloves are powder-free, sterile and synthetic to eliminate allergies, but they still deliver all the fit, feel and comfort of natural rubber latex. As always, Biogel puncture-indication technology provides the protection you trust.

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

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
A small investment.  
A big return.

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

When you consider the relatively low cost of double gloving, remember that every single exposure has a much higher cost. Clinicians may have to undergo expensive testing or receive prophylactic treatment, for example. And if a patient gets a surgical site infection it could double the length of their hospital stay and require an extra week of antibiotic therapy.
Double gloving with Biogel is an effective, cost-efficient way to reduce risk for clinicians and patients.

**Occupational exposure costs**

**In the U.S.**
According to four U.S. healthcare facilities, the mean cost of managing an exposure to a patient with Hepatitis C virus is USD 650, and for exposure to an HIV-infected patient it is USD 2,456.

**In Europe**
Costs are high 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).

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“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

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**Patient exposures**

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

**Solution: 50% reduction in infections**
In a study of cerebrospinal fluid shunt surgery, double gloving was associated with a 50% reduction in infections of the shunt, compared with single gloving.
How can we help you?

Our surgical sales specialists make implementing a 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 guidance on important healthcare topics such as infection prevention, recommended practices and the proper use of surgical gloves.

Our team will even help increase O.R. efficiency and safety through education on correct glove-use, glove-standardization, and synthetic alternatives.
If you make double-gloving routine, you’re less likely to forget to do it when the work gets hectic.

Hillevi Björkqvist, General Nurse, specializing in surgery
Biogel® Indicator System

**CLINICIANS VALUE BIOGEL**

- Clear, fast and large puncture-indication system
- Every single glove is 100% air-inflation tested for holes
- Industry-leading AQL freedom from holes – competitor gloves are more likely to have a hole out of the pack
- The only major surgical glove brand with a non-pyrogenic range – reduces potential of fever, inflammation and other reactions
- From the only manufacturer with an exclusively powder-free surgical glove range

*Pyrogenicity: Each batch of Biogel gloves is tested to have a low endotoxin level (<20 eU/pair)

**REFERENCES**


Find out more at www.molnlycke.com