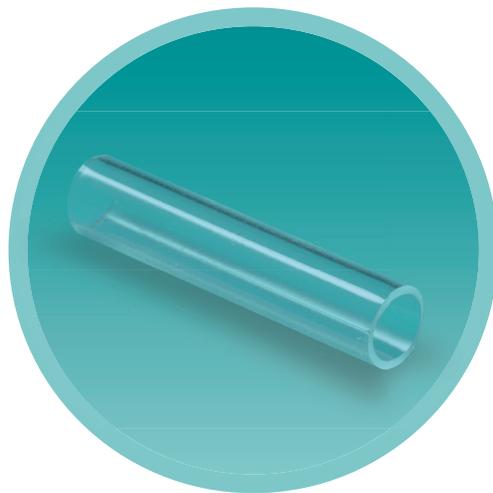


# NEUROLAC<sup>®</sup>

Peripheral Nerve Repair



**Clinical Application Notes**

**POLYGANICS**

TRANSFORMING PATIENT  
RECOVERY

[www.polyganics.com](http://www.polyganics.com)

## NEUROLAC® synthetic nerve conduit values your surgical practice

NEUROLAC® is indicated for the reconstruction of a peripheral nerve discontinuity up to 20 mm in patients who have sustained a complete division of a nerve

- In practice, mainly application in bridging gaps of around 15 mm in relatively small nerves in the upper extremities, i.e. diameters of 1,5 - 7 mm is seen
- The additional value lies in unique features immediately recognized by the users: a transparent design and smooth surface that allows easy nerve positioning and has excellent suture retention

The science behind this relatively simple but effective device lies in the mechanical properties

- NEUROLAC® is designed in such a way that after covering the critical nerve healing period of around 10 weeks it changes from being a conduit into an inert gel-like substance that covers the regenerating nerve tissue
- This makes NEUROLAC® and its proprietary biomaterial, versatile and efficacious in use

Additional benefits in clinical practice

- Protection of damaged and repaired nerves
- Avoid tension at the repair site by acting as connector in tension less repair of small nerve gaps



## NEUROLAC® offers effective recovery for a broad range of nerves

NEUROLAC® poses good outcomes in bridging small-medium sized nerve gaps. NEUROLAC® is available for a broad range of nerve diameters (1,5-10 mm)

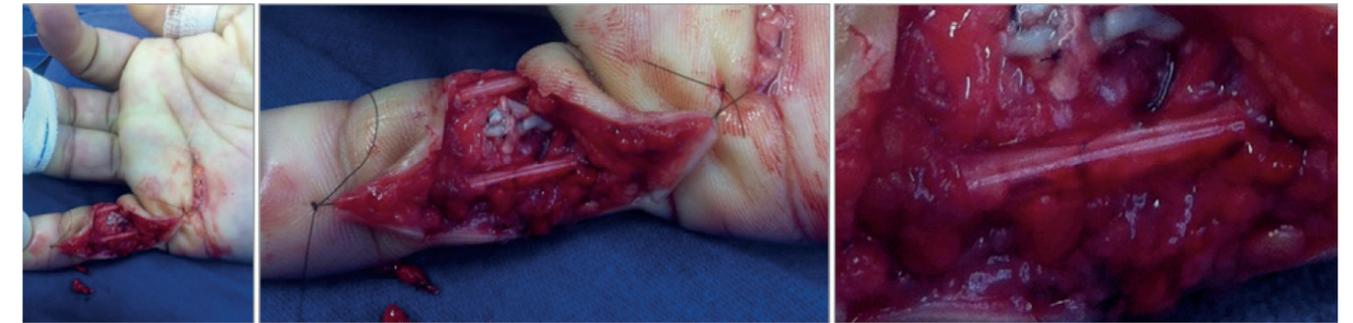


## NEUROLAC® is designed to mechanically support tissue during the critical healing period

After 10 weeks mechanical properties change but continue to contribute to nerve healing; the NEUROLAC® Poly Lactide CaproLactone (PLCL) copolymer forms a tissue friendly gel-like layer around the repaired nerve which is resorbed in around 16 months after implantation

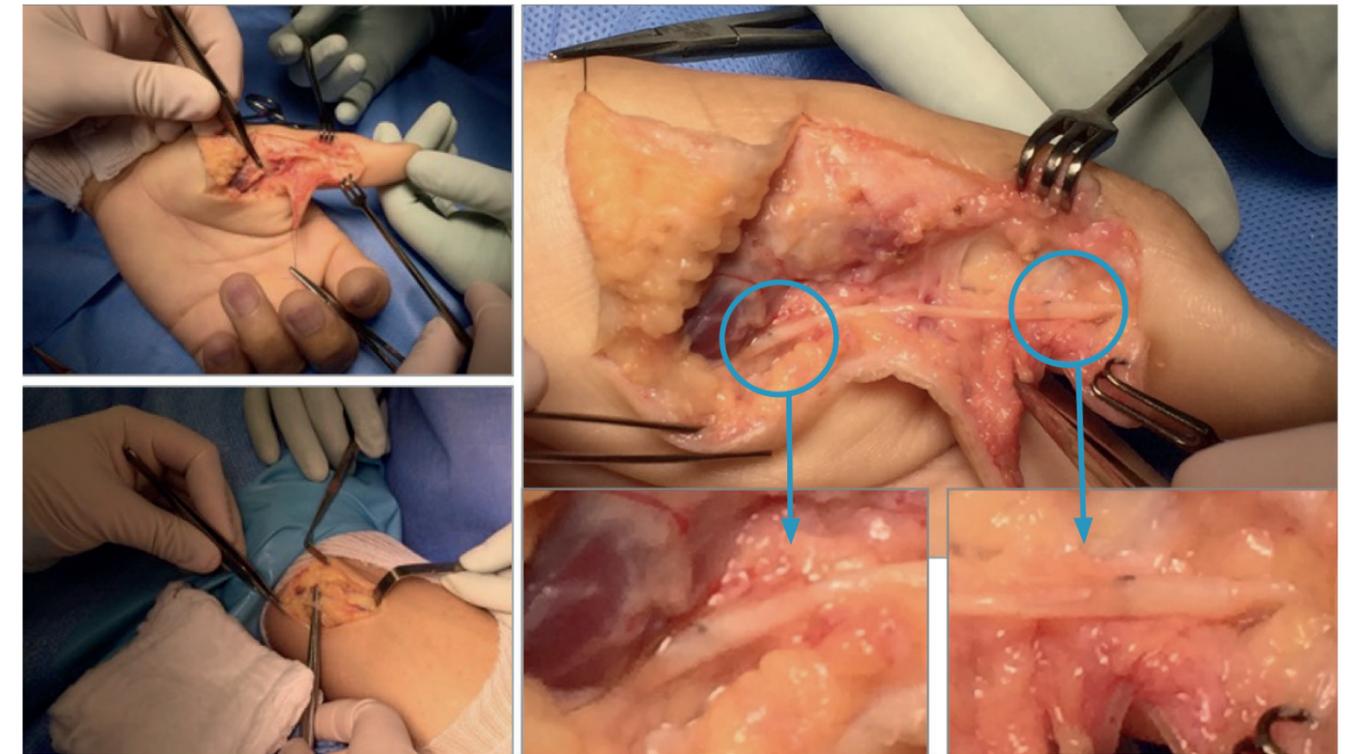


## NEUROLAC® bridges nerve gaps and protects them after primary repair



## NEUROLAC® supports repair of larger gaps using graft material

Prevention of chaotic fascicle outgrowth can be achieved after conventional nerve grafting



# NEUROLAC®

**Versatile and effective in nerve reconstruction**

**100% fully synthetic, tissue friendly, +15,000 cases since 2004**

**Transparency at its best**

- Transparent design
- Smooth surface
- Easy nerve positioning
- Excellent suture retention
- No tension at the repair site
- Flexible and soft after implantation
- Design integrity during the critical 10 week healing period
- Gradual change into tissue friendly gel-like material covering and protecting the regenerating nerve