

## On minimally invasive treatment of Dupuytren's contracture

The treatment of Dupuytren's contracture has been revolutionized by injectible collagenase clostridium histolyticum treatment (CCH) and percutaneous needle fasciotomy (PNF) in recent years. However, CCH is at least twice as expensive as PNF and requires two visits to the outpatient clinic instead of one.

This thesis compares the results in 156 patients, randomized to either CCH or PNF by the same surgeon, over a two-year period. In 39 of the patients, an ultrasonographic examination of the Dupuytren cord was performed before and after treatment in order to study any possible morphological differences between the two methods.

In conclusion, this thesis was unable to detect any significant clinical or morphological differences in outcome between CCH and PNF at one week, six months and one and two years in 97% of the participating patients that could justify the higher cost of routine CCH treatment.



**Joakim Stromberg, MD**  
Consultant in hand and orthopedic surgery.  
Sahlgrenska University Hospital, Sweden.

ISBN 978-91-629-0428-9 (PRINT)  
ISBN 978-91-629-0429-6 (PDF)  
<http://hdl.handle.net/2077/55378>

Printed by BrandFactory, Gothenburg

On minimally invasive treatment of Dupuytren's contracture | Joakim Strömberg



## On minimally invasive treatment of Dupuytren's contracture

Joakim Strömberg

**SAHLGRENKA ACADEMY**  
**INSTITUTE OF CLINICAL SCIENCES**

