

Final Report FESSH Clinical Grant 2019-2020 Thorsten Schriever

Project title

Lunocapitate fusion versus four-corner fusion for scapholunate advanced collapse (SLAC) and scaphoid nonunion advanced collapse (SNAC) arthritis. A randomized comparison.

Principal investigator

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Summary of specific aims and progress made so far

The aim of the study was to compare the results after lunocapitate fusion (LCF) and four-corner fusion (4CF) for SLAC and SNAC. Primary outcome was grip strength one year after surgery, secondary outcomes were patient-rated outcome (DASH and PRWE questionnaires), range of motion (ROM), nonunion rate, complications and progress of arthritis.

The recruitment period was 2017-2021. The Covid-19 pandemic resulted in some missed assessments. 59 patients were analyzed for the primary outcome (grip strength) at one year, which provides sufficient statistical power.

Patients were assessed regarding grip strength and range of motion (ROM) and completed the DASH and PRWE questionnaires before surgery (baseline), as well as 6 months and then 1 one year postoperatively. Further follow-ups have taken and will take place 2 and 5 years after surgery. Plain anterior and lateral radiographs as well as complications were and will be obtained even 2 and 5 years postoperatively.

List of publications

The study manuscript is submitted to the Journal of Hand Surgery Europe (JHSE) with Elin Swärd, MD, PhD and Maria Wilcke, MD, PhD as co-authors.

List of presentations

An oral presentation of the study at the FESSH 2023 Congress in Rimini, Italy, is scheduled.

A calculation how the Clinical Grant was spent is to be found further down in this document (page 2).

Thorsten Schriever, MD

Stockholm, Sweden, 27/4/2023

Calculation how the FESSH Clinical Grant has been spent:

The 10.000 Euro Clinical Grant was worth 103 988,00 Swedish krona (SEK) when received.

Post	Cost in Swedish krona (SEK)
Author workshop 26.8.21 - 28.8.21	12 801,00 SEK
Author workshop 9.12.21 - 10.12.21	11 872,00 SEK
Author workshop 23.3.22 - 25.3.22	24 079,00 SEK
Author workshop 18.5.22 - 20.5.22	21 939,00 SEK
Author workshop 24.11.22 - 26.11.22	23 409,00 SEK
Author submission meeting 23.3.23	798,00 SEK
Patient fee CT X 2	400,00 SEK
Ethical approvement application fee	2 000,00 SEK
SPSS license x 2	1 700,00 SEK
MIKA trial laptop	4 990,00 SEK
Total	103 988,00 SEK

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Stockholm, Sweden, 27/4/2023