



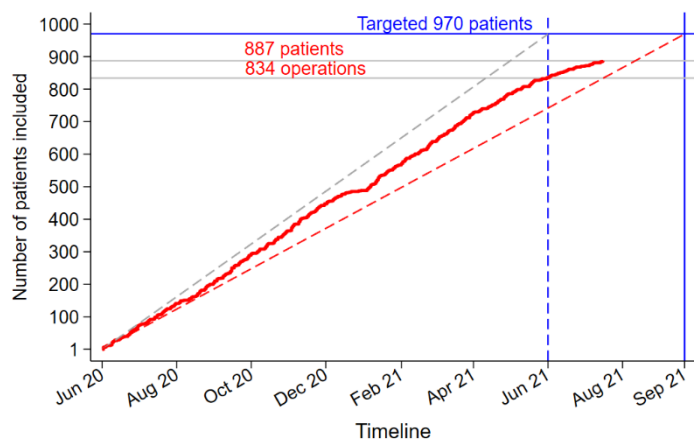
<http://p3.snf.ch/project-184959>



Surgical safety and effectiveness in orthopedics: Swiss-wide multicenter evaluation and prediction of core outcomes in Arthroscopic Rotator Cuff Repair

End of patient recruitment expected in September 2021

After a year of recruitment impacted by the pandemic of COVID-19, our recruitment is delayed by about 4 months. We expect to operate the last enrolled patient by the end of September or October 2021.



Facts

19 clinics involved

137 project staff

887 patients enrolled

834 patients operated

775 (97%) patients followed up at 6 weeks and 455 (84%) patients at 6 months

«This is the first large prospective multicenter Swiss cohort study to document the outcome of ARCR patients»

Milestones achieved:

- Project protocol was published in March 2021 in [BMJ Open](#)
- Prognostic factors for the occurrence of post-operative shoulder stiffness: a systematic review was submitted in June 2021
- Agreement was reached on an ultrasound examination form

Start of one-year follow-up

The first 12-month follow-up examinations started early June 2021. They are conducted along with the ultrasound examinations. Supported by SUVA, a subset of 310 patients from sites in Basel and Zürich will get an additional MRI examinations.

Documentation completeness

We started collecting baseline images since December 2020. About 2/3 of the required images are now coded and centralized in Basel. Follow-up rates currently reach 97% and 84% at 6 weeks and 6 months, respectively. Overall, 97% of 1690 implemented forms at these follow-up time points are fully documented without missing values.

Project processes

Well working processes



- + Recruitment of patients
- + Motivation of project staff
- + Collection of images
- + Publication management
- + Electronic CRFs completeness

Processes to be improved



- Mistakes on patient informed consents documentation
- Data queries resolution

Outlook:

- 1. Initiation of Delphi process for prognostic factors ranking** for the occurrence of post-operative shoulder stiffness by [end of September](#)
- 2. Completion of the second systematic review of prognostic factors for ARCR functional outcomes** by [end of 2021](#)
- 3. Resolution of data queries and collection of all baseline diagnostic images** by [end of Q3 2021](#)
- 4. Baseline database locking** and prepared for analyses by [end of 2021](#)
- 5. Description of the ARCR_Pred cohort publication** in preparation for *BMJ Open* by [Q1 2022](#)

Patient population

Enrolled patients	887	n (%)
Age (years)		58 (SD 9)
Gender, male		551 (63%)
Cause of the tear	Purely degenerative More degenerative More traumatic Purely traumatic	239 (30%) 166 (19%) 216 (25%) 249 (29%)
Working patients	Full-time work Part-time work	488 (56%) 160 (18%)
Work with overhead activity	No overhead activity Light Moderate Heavy	261 (30%) 196 (22%) 201 (23%) 215 (25%)
Usually do sports	Never Less than once a week Once a week Twice a week or more	199 (23%) 81 (9%) 157 (18%) 435 (50%)
Intra-operative diagnosis		
Tear severity	Partial tear Single full tear 2 or 3 tendons Massive tear	132 (16%) 217 (26%) 352 (42%) 133 (16%)
SSP proximal stump retraction grade <i>Patte et al.</i>	no retraction I = little retraction II = level of the humeral head III = level of the glenoid	74 (12%) 210 (34%) 246 (40%) 83 (14%)
Classification of SSP partial lesions <i>Ellman et al.</i>	Articular-side Bursa-side Interstitial	97 (63%) 37 (24%) 19 (12%)

SSP: *Supraspinatus*

Thank you for your participation!

The whole project team wish you a good and warm summer.

Confidentiality Statement:

This document contains strictly confidential information which serve to inform project stakeholders. This newsletter should not be copied or passed on to an uninvolved party - in whole or in part - without the writing consent of the project leaders.

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