

ARCR_Pred Newsletter

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This Newsletter is published twice a year



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

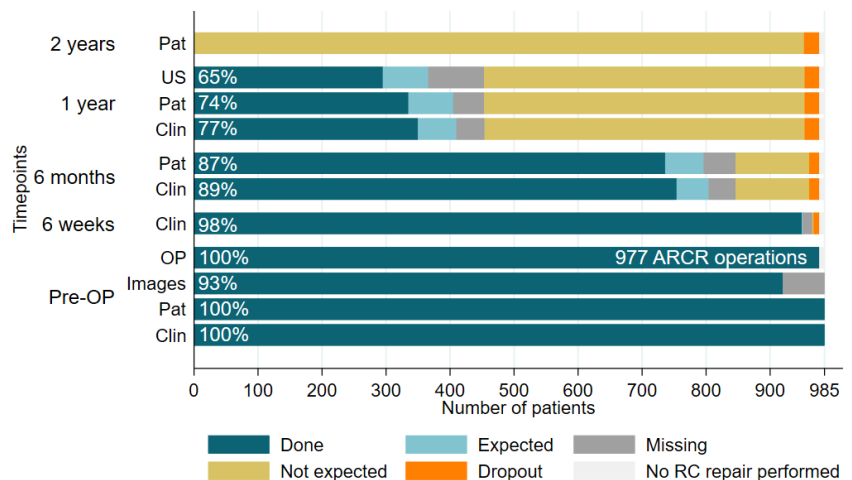
Achievement of patient recruitment

After one and a half year of recruitment impacted by the COVID-19 pandemic, finally we operated our last patient in November 2021.

Our project cohort is complete with **977 ARCRs in 985 patients**.

Baseline and follow-up documentation

Baseline and follow-up documentation are performed according to plan with high level of completeness. This is supported by weekly communication with the sites including missing data reports. We generated also 976 data queries to address data inconsistencies.



Facts

19 clinics

145 project staff

985 patients operated

977 cuff tear repairs

98% 6-week follow-up
89% at 6 months
77% at 12 months
24 (2.5%) dropout

96% of 8327 collected forms have no missing data

Milestones achieved:

- Prognostic factors for the occurrence of post-operative shoulder stiffness: a systematic review has been resubmitted with minor revision in November 2021
- First round Delphi process for prognostic factor identification and rating was completed among 53 project surgeons with 83% participation rate

Well-started MRI subproject

suva

Additional MRI examinations were performed in 55 of 310 expected patients at 12 months on 6 sites in Basel and Zurich.

Well working processes	Processes to be improved
<ul style="list-style-type: none">+ Overall follow-up rates+ Motivation of project staff+ Collection of images+ Publication management+ Electronic CRFs completeness	<ul style="list-style-type: none">- Data queries resolution (especially examination dates)- Ultrasound examinations completeness- Patient compliance to protocol at 12 months



Our next ARCR_Pred project meeting will take place online with ZOOM on Thursday 27th of January 2022 (16:00-17:00)* !

*A separate meeting for the project scientific board will follow ...



Outlook:

- 1. Baseline database locking and preparation for analyses Q1 2022**
- 2. Database sharing with partners according to publication plan Starting 2022**
- 3. Completion of a systematic review of prognostic factors for ARCR functional outcomes Submission Q1 2022**
- 4. Second round of Delphi process for prognostic factors ranking for the occurrence of post-operative shoulder stiffness Q1 2022**
- 5. Description of the ARCR_Pred cohort for publication in BMJ Open Submission Q2 2022**
- 6. 6-month database locking and preparation for analyses by end of Summer 2022**

Publication plan

We have a transparent publication policy, and no data will be published without information and agreement with the project board. Project partners submitted multiple suggestions and requests for scientific analyses and publications using this unique dataset, resulting in 56 topics registered in a specific REDCap publication database. New topics can be submitted anytime to the project team.

We will start all analyses involving baseline data early in 2022.

Our surgeons

For the project 53 shoulder surgeons (29 senior surgeons and 24 consultants) performed each between 1 and 125 ARCRs. The table below describes their experience level.

Experience in shoulder surgery	Annual number of RC repairs			
	1-20	>20-50	>50-100	>100
1-5 years	12	6	5	-
>5-10 years	-	6	1	4
>10-20 years	-	1	9	4
>20 years	-	-	4	1

The whole project team wishes you a peaceful Christmas time and a Happy New Year 2022.



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