

# ARCR\_Pred Newsletter

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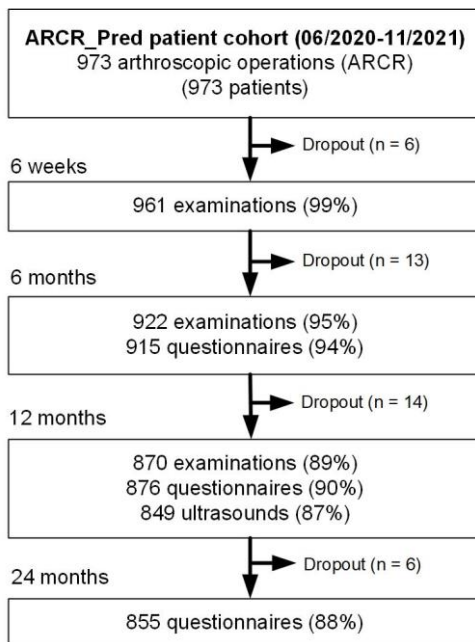
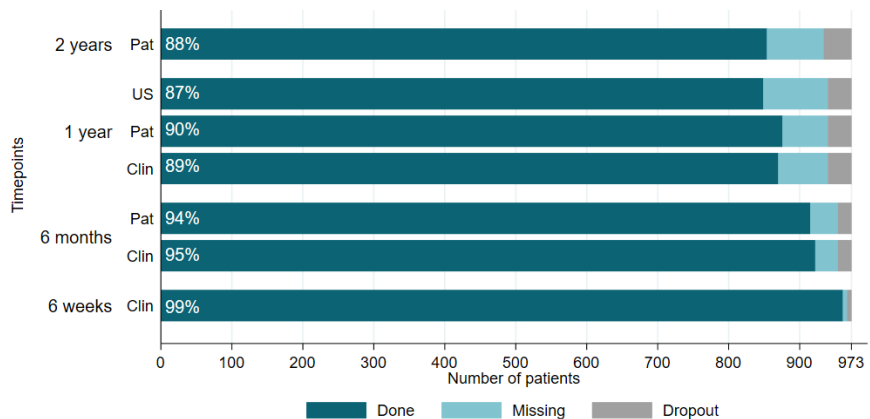


## Surgical safety and effectiveness in orthopedics: Swiss-wide multicenter evaluation and prediction of core outcomes in Arthroscopic Rotator Cuff Repair

### Completion of the final 2-year follow-up !

We documented the last 2-year patient questionnaire, hence achieving follow-up of 88% of enrolled ARCRs. Congratulations !

Our follow-up flowchart is shown below.



### Swiss Orthopaedics

We received our last Grant installment of 20'000.- CHF from Swiss Orthopaedics, which will allow us to honor our financial support to the project sites, perform final monitoring tasks and close the project including of numerous analyses and publications in 2024.

Many thanks for this engagement !

### Facts

19 clinics

161 project staff

981 patients operated

973 cuff tear repairs

88% 24-month follow-up  
39 (4.0%) dropout  
98.5% of 11'127 forms have no missing data

340 local adverse events (AE) within 2 years  
149 non-local AEs within 6 months  
91% of 1'545 AE surveys completed

### Milestones achieved:

- **Last 2-year follow-up** performed December 2023
- **Closure visits** across 13 study centers performed in 2023
- **Thomas Stojanov won the Alwin Jäger Prize** at the AGA Congress in Berlin, September 2023 !
- **Readings of 310 MRI** at UKB and USB finished



Our next ARCR\_Pred project meeting will take place  
online with ZOOM on **Monday 26th of February 2024 (16:30-17:30)\* !**

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

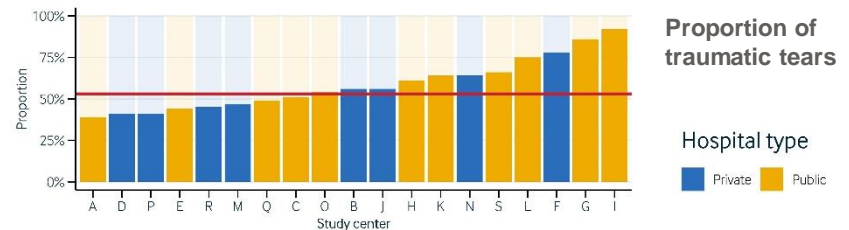


### Outlook:

1. **Presentation of study results at various local and international congresses** (Research symposia at USB, Swiss Orthopedics, DVSE, SECEC, AGA. ...) starting in [February 2024](#)
2. **Last Adverse Event surveys** to be send out in Q1/2024
3. **Update and validation of clinical prediction models for 1) shoulder stiffness and 2) Oxford Shoulder Score** to be completed [by end of March 2024](#)
4. **Next newsletter** [by end of June 2024](#)
5. **Definitive database locking for analyses** [by June 2024](#)
6. **General project publications** on tear patterns, operation techniques and outcomes to be completed [by June 2024](#)

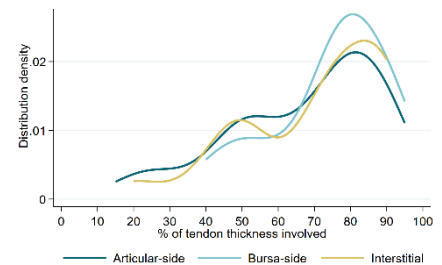
### Ongoing analysis / reporting

Stojanov et al. presented the **baseline characteristics** of our cohort patients and highlighted patient profile variability between sites, hence highlighting the importance to consider the case-mix when analyzing post-operative data. Our manuscript is still under review after 8 months !!



Baum et al. compared patients with **degenerative and traumatic** full-thickness supraspinatus tendon tears, showing comparable results 12 months post-ARCR including structural outcome. It suggests that degenerated tendons retain good healing potential. Our paper is in press in the [American Journal of Sports Medicine](#).

Audige et al. are investigating the **profiles of rotator tears** and their surgical repair techniques, separately for partial and full-thickness tears, along with general outcome patterns. Partial tears include 67 articular-side, 34 bursa-side and 20 interstitial tears (Ellman classification).



The % of involved tendon thickness range from 15% to 95% (median 80%)

### Further analyses / reporting

We would like to remind researchers who requested our data to keep us updated regarding their progress and expectations, so that we can support as much as we can. We also need to avoid conflicts of topics.

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### Keep updated from our project website

<https://arcr-pred.ch> or QR code



**We thank you for the fruitful collaboration, and wish you a happy new year 2024 !**

### Confidentiality Statement:

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