Expectations in cuff repair

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Patient satisfaction after rotator cuff rupture is usually very high. Studies evaluating open and arthroscopic repairs for all different tear sizes have shown patient satisfaction rates of 87% to 100%. However, high satisfaction does not mean that...

Ethical review	Not available
Status	Recruiting
Health condition type	Soft tissue therapeutic procedures
Study type	Observational non invasive

Summary

ID

NL-OMON57492

Source
Onderzoeksportaal

Brief title
Expectations in cuff repair

Condition

- Soft tissue therapeutic procedures

Synonym
Rotator cuff rupture, Rotator cuff repair

Research involving
Human

Sponsors and support

Primary sponsor: Reinier Haga Orthopedisch Centrum
Source(s) of monetary or material Support: Reinier Haga Orthopedisch Centrum

Intervention

- Surigical procedure

Explanation

N.a.

Outcome measures

Primary outcome

Fulfilment of expectations, measured with a modified Sunnybrook expectation questionnaire at least 24 months postoperatively.

Secondary outcome

Predictor variables of the fullfilment of expectations.

Study description

Background summary

The rotator cuff is a muscle group composed of four muscles: the supraspinatus, infraspinatus, subscapularis and teres minor muscles. The rotator cuff has an essential role in the stability and function of the shoulder joint. Rotator cuff damage, such as tears, is common, especially in older adults and people with active lifestyles. These tears can cause significant pain, loss of strength and restriction of movement, leading to reduced quality of life.
When conservative treatments such as physiotherapy do not provide the adequate results, surgery, such as rotator cuff repair, is often recommended. The number of rotator cuff repair surgeries is increasing every year, probably due to the ageing population. About three quarters of rotator cuff repairs performed result in structural healing without recurrent tears. Previous research shows that higher preoperative expectations can predict a better outcome in shoulder surgery. Patients with rotator cuff rupture generally have high expectations from rotator cuff repair. The highest expectations focused on relief of symptoms and improvement of range of motion, where on the other hand, the duration of rehabilitation was the most concerning for patients.

Study objective

Patient satisfaction after rotator cuff rupture is usually very high. Studies evaluating open and arthroscopic repairs for all different tear sizes have shown patient satisfaction rates of 87% to 100%. However, high satisfaction does not mean that all preoperative expectations were met postoperatively. The literature shows that the fulfilment of expectations can be influenced by various factors. However, little can be found in the literature about the extent to which expectations are fulfilled. Therefore, in the current study we aim to determine the

extent to which patients' preoperative expectations come true postoperatively.

Study design

This is a single-center, retrospective and cross-sectional study on patients who underwent a rotator cuff repair at Reinier Haga Orthopedic Center between June 29th, 2020 and December 31st, 2022.
The preoperatively prospectively collected data in the electronic patient file and OnlinePROMS is retrospectively analysed together with cross-sectional collected data from a postoperative questionnaire.

Intervention

Patients must complete a questionnaire at least two years postoperatively.

Study burden and risks

The burden of participation in this study consists of completing a questionnaire. The risks of participating in this study are none because the patients only have to fill in a questionnaire.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Elderly (65 years and older)
Adults (18-64 years)

Inclusion criteria

- Rotator cuff repair with or without additional Biceps tenodesis/tenotomy, AC surgery or acromion resection
- At least 2 year postoperative

Exclusion criteria

- Poor command of the Dutch language

Study design

Design

Study phase:	N/A
Study type:	Observational non invasive
Intervention model:	Single
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Other

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	07-04-2025

Enrollment:	175
Type:	Actual

Medical products/devices used

Product type:	N.a.

IPD sharing statement

Plan to share IPD: Undecided

Plan description
N.a.

Ethics review

Not available

Date:	21-03-2025
Application type:	First submission
Review commission:	CCMO

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
Research portal	NL-009647