

TITLE

FIS-18_SHOULDER: Effectiveness of treatment of massive shoulder rotator cuff injuries assessed with patient-relevant outcomes: a mixed methodology study.

Funding source: Fondo de Investigación Sanitaria, ISCIII-FEDER (PI18/00152)

PI: Montse Ferrer

Duration: 2019-2021

SUMMARY OF PROJECT

OBJETIVES: 1) To identify treatment outcomes relevant to individuals with massive rotator cuff injury of the shoulder joint; and 2) To compare the effectiveness of conservative treatment, arthroscopic decompression surgery, and reverse prosthesis, in terms of relevant patient outcomes and health-related quality of life.

METHODS: Mixed methodology study (qualitative and quantitative) with exploratory sequential design. Phase 1- Identification of treatment outcomes relevant to patients: Phenomenological qualitative study. Theoretical sampling with 16 semi-structured interviews with people with massive rotator cuff injuries and 3 focus groups with 5-10 healthcare professionals. A thematic content analysis will be performed. Phase 2- Comparative effectiveness study: Prospective observational multicenter study, including patients aged 65-85 years (n=200) with massive rotator cuff injury of the shoulder joint and treated by one of the 3 established therapies. Participants will answer, prior to treatment and at 6,12 and 24 months after initiation, a telephone interview that will include the outcomes identified in Phase 1, and a generic and two specific health-related quality of life instruments, a shoulder functional instrument, and the Global Change Question. Bivariate analysis and Generalized Estimating Equation (GEE) models will be performed for repeated measures, adjusting with propensity scores.