The Greek Version of Shoulder Rating Questionnaire: Translation, Cultural Adaptation, Reliability-Validity Study in patients with rotator cuff related shoulder pain

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INTRO
Shoulder Rating Questionnaire (SRQ)

21 Questions, 6 domains

- global assessment
- pain
- daily activities
- recreational and athletic activities
- work
- information about the participant's occupation
- satisfaction level for the shoulder condition
- areas he or she believes need improvement

There is no valid and reliable Greek version of the SRQ available at present.

PURPOSE
Translate, cultural adapt and test the reliability and validity of the SRQ in patients with shoulder rotator cuff related shoulder pain in acute or chronic phase

METHODS
1.forward translation 2.expert panel synthesis 3. backward translation 4.pilot testing procedures. 5. final version

- **168** Greek-adult patients with rotator cuff related shoulder pain
- test after 2- 3 days retest , 8-15 min
- Internal consistency Cronbach's a
- ICC reliability
- Concurrent validity - correlating SRQ - SPADI Pearson's correlation coefficient

Greek Version of the Shoulder Rating Questionnaire – **SRQ is a reliable, valid and responsive instrument** for patients with **shoulder rotator cuff related disorders**
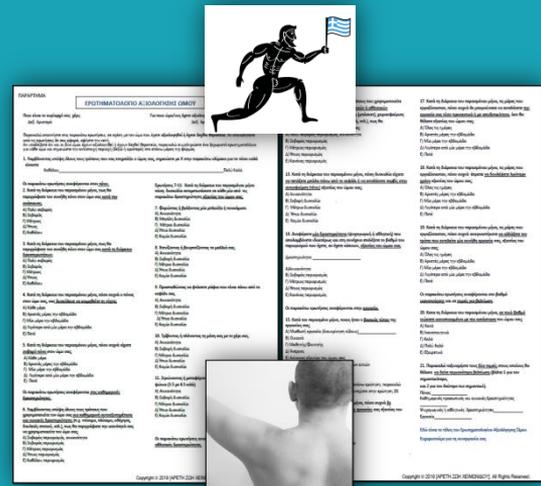
RESULTS
✓ The results of the psychometric characteristics were compatible with those of the original English version

✓ The SRQ could be applied to a Greek-speaking population to assess symptoms and functional limitations in adult patients with rotator cuff related shoulder pain

✓ **Good to excellent internal consistency (Cronbach a=0.99)**

✓ **Test-retest reliability (ICC 0.976) and concurrent validity (r>0.9)**

RCSRP n=168

- RC tear 12%
- tendinopathy- chronic 39%
- tendonitis- acute 17%
- Impingement Syndrome 32%
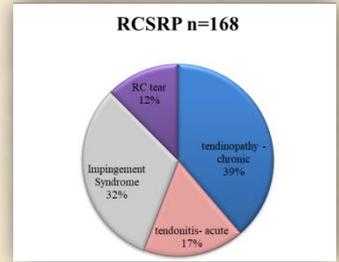
Fig.1

DISCUSSION
➔ Assessment in different areas and open questions

➔ a> 0,95 maybe similar questions statistically but different in content

➔ Future studies for subgroups and different shoulder pathologies

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