

Answering Reviewers response letter

Revisions of manuscript (ESPS Manuscript NO: 14588)

Amsterdam - December 21 2014

Dear Editor and reviewers,

Thank you for reviewing our manuscript entitled "Arthroscopic capsular release and manipulation under anaesthesia for frozen shoulders; a hot topic - NO 14588". We have read the comments carefully. You will find an explanation of our changes cited below.

Reviewer 1 (00503649). Thank you for your thoughtful critical comments. Your first comment is that our manuscript is a very general review paper. Actually, a general overview is the intention of an invited editorial. Suggestions were made to pay more attention to the suggested topics.

- *The role of different growth factors and the recent research on the cellular level.*

In the section *PATHOPHYSIOLOGY* we added a paragraph in which the cellular pathways are discussed that are involved in the fibroproliferative process of a frozen shoulder.

- *The difference between the clinical entities of a "stiff shoulder" and "frozen shoulder", primary or secondary.*

We do discuss the difference between primary and secondary frozen shoulders in the sections *DIAGNOSIS* and *PATHOPHYSIOLOGY*. We agree that primary and secondary frozen shoulders are clinically different entities, and that secondary frozen shoulders are often more resistant to conservative treatment. We added some comments regarding this issue in the section *MANAGEMENT*.

- *Information on different patterns of fractures that might evolve following MUA and their incidence.*

Although a lot of articles describe the risk of a humeral fracture, there is actually scarce literature describing this complication. The use of a short lever arm during the manipulation is emphasized to reduce the risk of a humeral fracture. We think it is a rare complication, but decent incidence numbers and possible fracture patterns can't be provided on the basis of the available literature.

Reviewer 2 (02444740). Thank you the evaluation of our manuscript and your positive comments. Your proposed corrections have been made.

In addition we corrected a few sentences for style or grammatical reasons. The modified manuscript is submitted online. We hope you will agree with the changes made and will accept the revised manuscript for publication in the journal.

Sincerely,

Tim Kraal

Lijkele Beimers