Reviewer's report

**Title:** Revision of Reversed Total Shoulder Arthroplasty. Indications and Outcome

**Version:** 2 **Date:** 17 April 2012

**Reviewer:** Ulrich Irlenbusch

**Reviewer's report:**

**Minor revisions:**
1. Results section, page 5-6: A statistical comparison between Delta III and anatomical reverse will be only given for the dislocation rate. But those would be of special interest for the other implant specific complications, which means the revisions of glenoid components (also for other parameters). In Tab. 3, it was given that 21.7% glenoid revisions of the anatomical reverse against 6.8% of Delta III were observed. The reasons should be given and discussed.
2. Discussion section, page 10 and Tab. 3: It was given, that only in one case out of 441 cases a revision must be performed because of notching. Here you should mention, in how many cases, out of 441, usable radiographs were available for evaluation (with exact projection). It would be the best, if you write down a short explanation of the X-ray technique and the evaluation criteria in the methods as well as the number of the used radiographs for evaluation and the revision rate after notching in the result section.
3. Tab. 2: please format the right column, otherwise it is incomprehensible

**Discretionary revisions:**
4. Tab. 1, Legend: - RTSA in 67 patients "with revisions after RTSA", please correct
   - in the right column , please change "Anatomical inverse" to "reverse"
5. Tab. 3: - „glenoid“ please correct
   - in the right column , please change "Anatomical inverse" to "reverse"
6. Tab. 4: placement of „pain“ better under SSV
7. Page 11, 12: in the paragraphs, there is more line spacing than should be, please format

**Level of interest:** An article of importance in its field