

## REVIEWER #1

**Please add selection criteria, i.e. intact supraspinatus or intact rotator cuff or ...;  
See conclusions**

### **Abstract:**

As suggested the selection criteria were added and the sentence was modified

### **Background – Materials and Methods – Results – Discussion - Conclusion**

All the suggestions were adopted in the text

## REVIEWER #2

**1. In AVN outcomes could be altered by the architecture of the head, as HHR needs good bone stock under them. This is what happen in AVN of the hip with the resurfacing system. Another aspect of this disease is that osteohytes could interfered with shoulder function**

A brief paragraph on AVN was added in the text (see Discussion – at the beginning)

**2. Which is the scale do you use to analyse radiographies??. I mean every surgeon could have an opinion of what it is loosening, degenerative changes, vertical migration of the head.**

Dear reviewer, to our knowledge is not available a unique scale to analyse all the aspects on the X-ray. Moreover all the possible measurements on X-ray (yet published) appear in our hands difficult to reproduce.

Our opinion of what is loosening, degenerative changes and vertical migration of the head has been clarified in the text (Radiological study – at the end of the paragraph)

**3. I do not agree with the indication in cuff tear arthropathy and it is questionable in post-traumatic arthroplathy. This kind of proshesis cannot be functional without rotator cuff.**

Totally in agreement with you. What is reported in the text is the indications listed in literature. To better clarify the authors' personal indication a brief paragraph was added in the text (see Discussion – at the beginning)

**4. You said in the introduction that rotator cuff tears was not a problem for this implant.**

What is reported in the text is the indications listed in literature. To better clarify the authors' personal indication a brief paragraph was added in the text (see Discussion – at the beginning)

**5. I agree with you that this is a critical step, as osteophytes is one of the main problems of osteoarthritis and it is very important to have a clear orientations of the head and the neck of the proximal humerus.**

Perfect

**6. Are there no cases with rotator cuff tears ??? What do you do in these cases???. Your repair tears or you leave them with no suture.**

To better clarify the authors' personal indication a brief paragraph was added in the text (see Discussion – at the beginning)

**Which is the objective of putting the shoulder in abduction pillow???? This maneuver is used in cases of tear of the SE and IR which they are repaired.**

The abduction pillow compared to the sling, seems, in our mind and for our experience, more comfortable and safe for the patients to avoid uncontrollable rotation during the night.

**7 - 8. Do you establish any limit to AVN evolution to perform this kind of prosthesis. ??? I mean there are different steps of bone destruction with abnormal architecture.**

A brief paragraph on AVN was added in the text (see Discussion – at the beginning)

**9. Stage III and IV is quite advance to allow good fixation of the prosthesis. Is it not a cemented one?? For a press-fit system there must be a good bone stock**

Totally in agreement with you that AVN has a detrimental effect on bony architecture.

All our cases refer to AVN stage III (sorry – but there was a mistake in the text!)

**10. This one was the case of post-surgical accident??**

Yes. To better clarify was added the reference to Fig. 1

**11. Careful because in AVN there is no good bone stock**

A brief paragraph on AVN was added in the text (see Discussion – at the beginning)

**12. It will be depend on the integrity of the rotator cuff**

In agreement with you.

**13. It means one of 6 cases.**

Right

## **EDITORIAL OFFICE’S COMMENTS**

**Figures** were organized into a single PowerPoint file, named “**62837-Figures.ppt**”

**Tables** were organized into a single Word file, named “**62837-Tables.docx**”