Reviewer's report

Title: Pathologic fracture of the distal radius in a 25 year old patient with a large unicameral bone cyst.

Version: 2 Date: 4 March 2014

Reviewer: Richard Page

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Minor Essential Revisions:
This is an interesting case report and with some unique features, of interest to the reader.
The final clinical range of motion and grip strength compared to the unaffected limb would be of interest to the reader (as would a validated wrist score comparing the other side).
For a case report and commentary the number of images should be reduced - suggest selecting 1A or B and excluding figures 2D, 3C and D, and 4A as they add little.

Major Compulsory Revisions:
The English needs significant improvement in tense, plurality and word selection throughout, from abstract to conclusion, it is at times confusing and detracts from the message. I recommend engaging an English proof reading service or similar assistance.
The assertion that the reconstruction of the distal radius was single stage is flawed as it required revision surgery, so needs altering. It is understood the intent was for single stage reconstruction, however a second revision surgery was required to achieve the required result. The final imaging does show a well reconstructed and anatomically united radius, which is helped by the provided images.

Discretionary Revisions:
It would be of interest to know why the patient was kept in inpatient for 5 days e.g. hand therapy?
Other similar pathological fractures have been published of differing aetiology affecting the distal radius and should be noted - e.g. ABCs, GCTs, non-ossifying fibroma, Metastatic renal cell carcinoma and osteomyelitis.
Previously described treatments for UBCs should be mentioned (Steroid injection, DBM, percutaneous grafting, PDGF) as well as why the authors felt the additional morbidity of RIA was superior.
Arthroscopy is only the gold standard for the articular segment of scapho-lunate ligament tears and may miss volar / dorsal components of these injuries, but is useful for higher grade separations.
**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests