Reviewer's report

Title: Long-term functional outcome and quality of life following rotationplasty for treatment of malignant tumors

Version: 4
Date: 5 September 2015

Reviewer: Dimosthenis Andreou

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The manuscript has been greatly improved. However, there are still (minor) issues with it after repeated revisions:

- Abstract - Results: "Mean follow up was 14±3 years. Average age at the time of surgery was 19±10 yrs. and 47 32±11 yrs. at the time of follow up. Mean follow-up was 14 ± 9 yrs." Was the SD of the follow up 3 or 9 years?
- Abstract - Results: What about the MSTS score and the Tegner activity level scale mentioned in the methods?
- Background: "... whereas malignant bone tumors, i.e. osteosarcoma, chondrosarcoma and Ewing’s sarcoma are more frequent in children and adolescents." Is chondrosarcoma more frequent in children and adolescents than in adults?
- Methods: "All patients who had been treated by rotationplasty for malignant bone or soft tissue tumors of the lower extremity at our academic musculoskeletal tumor center (MSTC) between May 1991 and June 2001 were identified from our database." Further along the results read: "Overall 23 patients underwent rotationplasty between 1991 and 2002."
- Results: "Summarizing, twelve patients (7 male, 58%; 5 female, 42%). See comments regarding percentages in the previous 2 reviews.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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