

**PP-072****Endoprosthetic reconstruction of proximal humerus after tumor resection, is it worth?****A. Rafalla***Alexandria University, Alexandria, Egypt*

Proximal end of the humerus is a common site for both primary and metastatic bone tumors. Limb salvage with endoprosthetic replacement is the most common means of reconstruction but it is proved to be just a spacer with inferior shoulder function. So it can be replaced by cheaper spacers specially in poor societies.

This study included 10 patients, 3 were males. With mean age of 40.4 years (range 12 to 60). Diagnosed as osteosarcomas 3 cases, chondrosarcoma one case, myeloma one case, lymphoma one case, metastatic carcinoma 2 cases of breast carcinoma, and giant cell tumor in one case. Limb salvage were successfully done to all of them with tikhof-linberg type I in 6 cases and type V in 4 cases. Endoprosthetic replacement were used in 4 cases. An on table fabricated cement spacer was used in 6 cases.

Follow up ranged from 6 to 75 months with mean of 22.8 months.

Functional outcome was almost comparable in both types of reconstruction, especially the item of patient satisfaction, with mean function of almost 50%.

To conclude; a relatively expensive endoprosthesis could be replaced by a much cheaper cement spacer if the function is comparable.