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## Shaped Graft for Aneurysmal Bone Cyst of Upper Limb Bones

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The optimal treatment of aneurysmal bone cyst remains challenging. We here present the results of using bone grafts shaped to the defects caused by aneurysmal bone cysts of upper limb bones. Fifteen patients (12 males & 3 females) with an average age of 12 years (range 6-16 years) were treated for aneurysmal bone cysts of upper limb bones by intra-lesional resection, argon beam coagulation and shaped bone graft. The grafts were harvested from 14 patients (11 fibulas & 3 iliac bones) and from the mother of one patient (proximal fibula). Osteosynthesis was required to stabilize the graft in four cases. The modified Enneking's scoring system was used for functional evaluation. One patient developed partial recurrence at 6 months and required reoperation. Superficial wound infection was encountered in one patient. Shortening of the humeral segment was seen in two patients (1 & 1.5 cm) but without angular deformity. After a mean follow-up of 43 months (range 20-64 months), the mean functional score was 97.3 %.

This technique is reliable to obtain a well reconstructed and growing bone with no or minimal deformity and good function.

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