A Rare Case: Aneurysmal Bone Cyst in the Metacarpal of a Child

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We have no Financial Disclosures to Report
Patient Presentation

5 year old boy with progressive enlargement with right hand pain over a 6 month period
Aneurysmal Bone Cysts

- Rare, rapidly growing, destructive benign tumor
- No evidence based protocol for treatment and only a handful of case reports on the management

- In this case, the cyst occupies 90% of the 3rd metacarpal
- Goal was to remove the cyst, reconstruct the metacarpal, while preserving length, growth potential, and function
- No recurrence at two years post-op
Curettage of Cyst and Iliac Crest Bone Grafting
Radiographic Progression

Preop

PostOp

1 week postOp

3 weeks postOp
Aneurysmal Bone Cysts in the hand of a child is incredibly rare.

This case report adds to the paucity of material on the topic

Continued annual surveillance for 5 years is recommended to monitor for recurrence

In this case, curettage and cancellous bone grafting was effective