

A deformed humerus



Fig.1



Fig.2



Fig.3

A 31 yr man presented with pain in the right arm for last six months. He had a fracture of right femur fixed with nails and bone graft one year ago. Routine investigations revealed a normal hematology, sugar, renal and liver functions. His serum calcium was high [16.8 (corrected 16.2, normal 8.6-10.2)mg/dl] with low serum phosphate [2.0 (normal 3.0-4.5) mg/dl] with raised ALP [363, (normal 53-128) iu/ml] and Parathyroid Hormone 1258 (normal – 12-

72) pg/ml. Radiology of the right humerus showed a giant osteolytic lesion (Fig. 1). An old X-ray of the same six months back done elsewhere revealed severe osteopenia and deformity (Fig. 2). CT scan neck and thorax revealed a parathyroid adenoma with mediastinal extension (Fig. 3). Surgery was done and the adenoma removed. Post-operatively he developed hungry bone syndrome which was managed with calcium infusion.

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