

Image section - Radiology corner

ANSWERS

Fig 1,2 findings

Expansile lesion with lytic and sclerotic areas involving the posterior end of left 7th rib showing cortical discontinuity with adjacent soft tissue component.

Fig 3,4 findings

Expansion of posterior end of left 7th rib with areas of sclerosis and intervening lucent areas showing narrow zone of transition. Outer cortex intact. Inner cortex irregular and discontinuous with adjacent soft tissue component and periosteal reaction.

Diagnosis

Hemangioma - Rib

Histopathology Report - Arterio-venous hemangioma – Bone)

Hemangioma of the bone

Prevalence: 1% of all bone tumors

Common sites -skull and vertebral bodies

Radiological appearances

Lucent, well-demarcated defects.

The lesion expands and thins the cortex, formation of reactive spicula resulting in coarsening of trabeculae.

Some typical radiological appearance of hemangioma of bone are as follows:

Sunburst appearance for skull hemangioma,

corduroy-like appearance for vertebral hemangioma and

honeycomb appearance for rib hemangioma.

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