

Journal of Neurological Sciences and Research

Genesis-JNSR-2(2)-17

Volume 2 | Issue 2

Open Access

Progressive Hearing Loss in Old Patient

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Citation: Mumtaz A. (2022) Progressive Hearing Loss in Old Patient. J Neuro Sci Res. 2(2):1-02.

Received: May 30, 2022 | **Published:** June 22, 2022

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Case Scenario

A 75-year-old female came in OPD with complain of bilateral progressive hearing loss. She was accompanied with caretaker (her son) who gave the history as she was perfectly alright 20 years back, but over the period of time her hearing ability got decreased. She was associated with bone pain as well and headache. Detailed examination was done; she had enlarged head, bilateral complete deafness, kyphosis, with high volume heart sounds with added s4, bowing of legs. Further investigation was done, with labs consistent with increased alkaline phosphatase, normal calcium and phosphate levels. X-ray skull AP/Lateral view was done which showed marked thick-walled skull with multiples osteosclerotic patchy areas, lytic lesions and cotton wool appearance [1].

What is your Diagnosis?

Diagnosis: Paget disease

Watch out for complications :

- Broken bones
- Bone deformities
- Hearing loss
- Increase calcium in blood causing symptoms.
- Heart failure
- Bone cancer (Osteosarcoma)

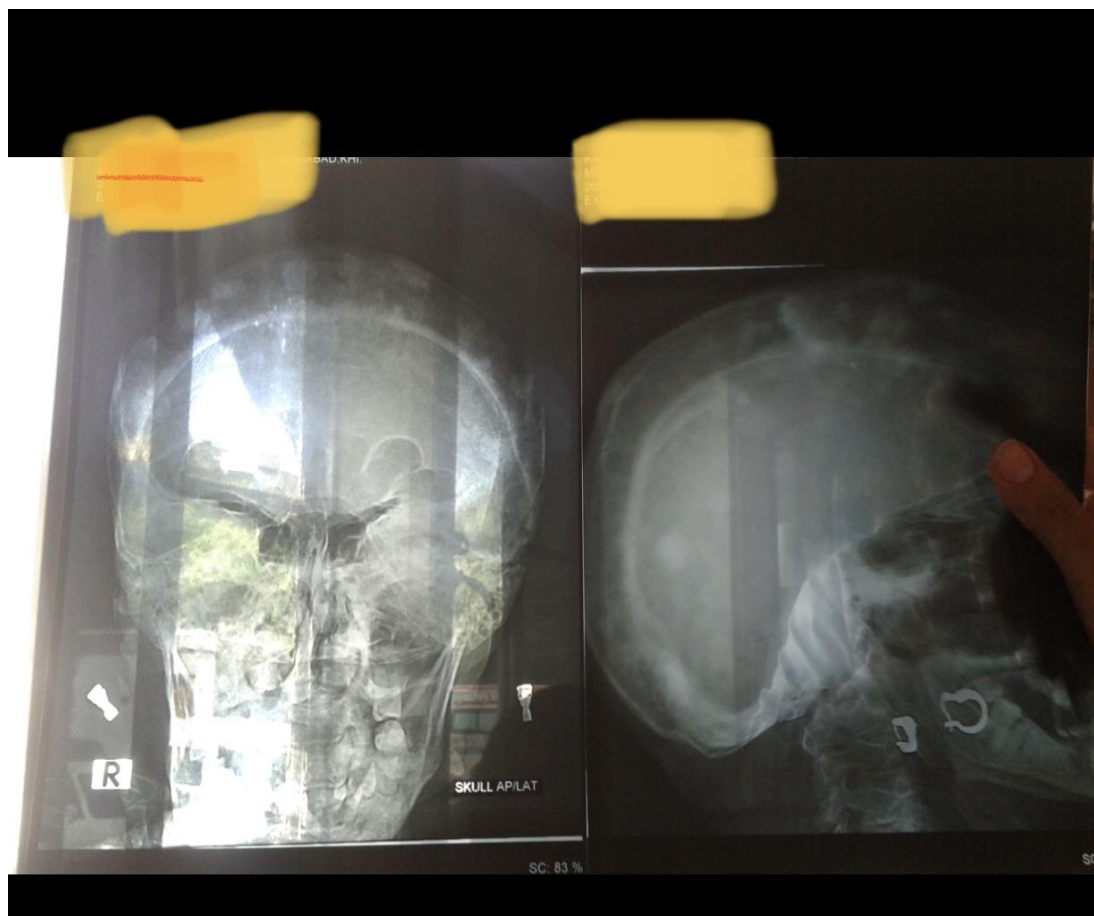


Figure 1: Paget Disease.

Reference

1. NHS Choices. (2022) Overview - Paget's disease of bone. <https://www.nhs.uk/conditions/pagets-disease-bone/>