MODULE LOCOMOTOR SYSTEM

Learning Objectives:

By the end of the CBL, students will be able to

- Define osteomalacia
- Understand the pathophysiology of osteomalacia
- Interpret role of Vit D and Calcium in bone formation
- Elaborate the effect of Vit D and calcium deficiency

Clinical case

A 35 years old Afghani female presented with history of bone pains throughout the body for last 3 months, she had also difficulty in climbing stairs and her family members have noticed that she was not properly walking as before. She has 6 children, and lactating her last child of one year old. On examination she is anaemic, tenderness on long bones and proximal muscle weakness.

Investigations revealed serum ca 7mg/dl, serum albumin 4 mg/dl, serum phosphate 2mg/dl, alkaline phosphatase 1046U/l.

The following x-rays were performed.