



2025

KARNATAKA RADIOLOGY EDUCATION PROGRAM

RICKETS X RAY FINDINGS

BY

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CASE GUIDE: DR REVANESH (PROFESSOR)

DEPT OF RADIODIAGNOSIS.

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CLINICAL DETAILS

- ▶ 5.6 Year old female baby with mother as informant has complaints of deformity of bilateral legs and inadequate growth since 4 years

FINDINGS ARE AS FOLLOWS :

FINDINGS AT WRIST JOINT: Loss of definition of provisional zone of calcification in distal radial and ulnar metaphysis

Metaphyseal cupping and fraying noted

Physeal widening shown as increased distance between epiphysis and metaphysis



FINDINGS AT KNEE :

Thinned out cortex

Distal femoral and tibial physal widening

Bowing of femur and tibia

Fraying ,cupping, irregular metaphysis – giving appearance of paint brush pattern



FINDINGS AT KNEE JOINTS:

Marked bowing of tibia and fibula bilaterally

Metaphyseal cupping, fraying

Knock knee or genu valgum in relation to Long axis of femur – (physiological from 2 to 7 yrs)

ILIOTIBIAL band contracture

Subchondral sclerosis

DIAGNOSIS: RICKETS

