

Trivial Complex Femoral Diaphyseal Fracture In Lactating Mother: An Unusual Case

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INTRODUCTION:

Lactation period has known hypothetically to cause bone demineralization in view of increased calcium requirement for breast milk production. Temporary maternal bone resorption and demineralization was a theory for adaptation to sustain calcium content in breastmilk. Furthermore, low Estradiol state in lactation period may have contribute to increased bone resorption.

REPORT:

This is an unusual case report of a 30 years old lactating mother who sustained a closed complex femoral diaphyseal fracture (Winqvist & Hansen Classification Type III) prior to a trivial fall while climbing down a short staircase. Patient underwent a Femoral Intramedullary Nailing. On further investigation, corrected serum calcium level, serum parathyroid hormones (PTH) level and renal function were normal.

CONCLUSION:

Theoretically, factors that may lead to this complex femoral diaphyseal fracture in adult-aged lactating mother after a trivial low-energy trauma is due to the increased bone demineralization & resorption due to the lactating period.



REFERENCES:

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