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Radiological quiz

What is the diagnosis?

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A 53-year old male with no comorbid illness met with road traffic accident and sustained head injury and right sided hemiplegia. Radiological evaluation revealed left temporal contusion, subdural and extradural hemorrhage in temporal region for which surgical evacuation was done. One month after the patient's care giver noticed a soft swelling around the right knee joint. X-ray of right knee showed fluid collection around lower end of femur. Two months after the swelling became hard, nonmobile with restriction of movements at joint. His hemoglobin was 10.2 g/dL, fasting blood glucose 96 mg/dL, blood urea nitrogen 16 mg/dL, serum creatinine 1.2 mg/dL, serum calcium 9.5 mg/dL, serum phosphorous 3.4 mg/dL, and serum alkaline phosphatase 272 IU/L. A repeat X-ray was ordered (Fig. 1).

Fig. 1 – What does the X-ray shows and what is the diagnosis?

Answer to Radiological Quiz – pg. 411.

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