### Case No. 41 | Organ: kidney, bone

<table>
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<th>Species: Marmoset (<em>Callithrix jacchus</em>)</th>
<th>female, adult</th>
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**Case history:** Private husbandry: over years progression of lameness and deformation of head; animal was found dead

**Gross pathology:** kidney: severe nephropathy; liver: dystrophia, moderate; bones: multiple old fractures, deformation of head; intestinal tract: chronic enteritis, mild;

**Microscopical description:**

- Osteoclastic resorption, fibrous replacement, woven-bone trabecula

**Pathohistological diagnosis:**

- Nephritis, interstitial, chronic, severe.
- Osteodystrophy, fibrous, severe.

**Aetiology/Comment:**

**Fibrous Osteodystrophy: Hypocalcaemia**
- Vit. D, deficiency
- Renal secondary hyperparathyroidism (renal rickets: phosphates increase, serum calcium decrease, active vit. D. decrease, PTH increase, leading to increased bone calcium resorption)

„rubber jaws“