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

**Species:** Marmoset (*Callithrix jacchus*)  
**Gender:** female, adult

**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. D3 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“