

## Marie Curie Training Courses

Summer School 2004 – Non-Human Primates Case 41

<b>Case No. 41</b>	<b>Organ: kidney, bone</b>
<b>Species: Marmoset (<i>Callithrix jacchus</i>)</b>	female, adult
<b><u>Case history:</u></b> Private husbandry: over years progression of lameness and deformation of head; animal was found dead	
<b><u>Gross pathology:</u></b> kidney: severe nephropathy; liver: dystrophia, moderate; bones: multiple old fractures, deformation of head; intestinal tract: chronic enteritis, mild;	
<b><u>Microscopical description:</u></b>	
<b>Osteoclastic resorption, fibrous replacement, woven-bone trabecula</b>	
<b><u>Pathohistological diagnosis:</u></b>	
<b>Nephritis, interstitial, chronic, severe. Osteodystrophy, fibrous, severe.</b>	
<b><u>Aetiology/Comment:</u></b>	
<b>Fibrous Osteodystrophy: Hypocalcaemia</b> <ul style="list-style-type: none"> <li>• Vit. D<sub>3</sub> deficiency</li> <li>• renal secondary hyperparathyroidism (renal rickets: phosphates increase, serum calcium decrease, active vit. D. decrease, PTH increase, leading to increased bone calcium resorption)</li> </ul> <p style="text-align: center;"><b>„rubber jaws“</b></p>	

