<table>
<thead>
<tr>
<th>Case No. 40</th>
<th>Organ: kidney</th>
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<tbody>
<tr>
<td><strong>Species:</strong> Ruffed Lemur (<em>Varecia variegata</em>)</td>
<td>male, adult</td>
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</tbody>
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**Case history:** Zoological garden: over two years progression of disease without improvement by symptomatic therapy; poor condition, weight loss, weakness, convulsions; suspicion: kidney disease.

**Gross pathology:** kidney: severe nephropathy; liver: two cysts (5cm in diameter); lung: hyperaemia, severe; chronic catarrhal laryngitis, pharyngitis, glossitis with rough mucosal surface;

**Microscopical description:**

**Pathohistological diagnosis:**

Nephritis, interstitial, chronic fibrosing, with multiple cysts and mesangial atrophy

**Aetiology/Comment:** Polycystic kidney disease:
- congenital malformation
  (autosomal dominant in humans)