

Case 15 Calculus right renal pelvis, Atrophic kidney. Nephrectomy

- **A section of kidney shows sheets of foamy macrophages together with abundant cholesterol crystals and inflammatory cells.**
- **No evidence of Michaelis-Gutmann bodies**
- **No evidence of neoplasia**
- **Surrounding fibrous tissue with surviving tubules are seen.**

Diagnosis: Xanthogranulomatous pyelonephritis

Comment:

Destructive inflammatory process

One end of the spectrum of chronic pyelonephritis

Secondary to infections E.coli, proteus species

Secondary to obstructive calculi (staghorn calculi: proteus)

Assoc. with DM/immunocompromised patient

Tx Antibiotics

JJ stents, Nephrostomy or nephrectomy (non-functioning kidney)