ABSTRACT – Leeds 3rd July 2008

Renal biopsy case presentation with review of literature

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Haemolytic anaemia & proteinuria.
Case presentation.
Addendum of case presentation made at Amsterdam meeting 2004

- 34 year Caucasian female
- Episode of Coomb's positive haemolytic anaemia a few months before biopsy
- Unusually high level of proteinuria (7g/24hr)
- Normal serum albumen
- Haematuria occasionally +++
- Renal biopsy
- 3/24 glomeruli sclerosed
- Unusual electron dense intratubular crystals with tubulointerstitial nephritis
- Crystals were phagocytosed by tubular epithelial cells and interstitial macrophages, but no intratubular luminal macrophages
- Second renal biopsy due to lack of diagnosis 4 years later
- Similar histology – more interstitial fibrosis and glomeruosclerosis
- Bence-Jones proteinuria present – kappa light chain.
- Bone marrow trephine confirmed diagnosis of **myeloma**
- Learning points: Young white females can have myeloma, absence of intratubular luminal macrophages doesn't preclude the diagnosis of cast nephropathy, have to consider diagnosis to be able to exclude it.

Review of literature:

Heptinstall's pathology of the kidney (6th edition - 2007) Chapter 19
Plasma cell Dyscrasias, amyloidosis, Waldenstrom macroglobulinaemia, and cryoglobulionaemic nephropathies by Guillermo Herrera and Maria Picken