

## Unusual Chronic Pyelonephritis

경희대학교 의과대학 병리학교실

양 문 호

Xanthogranulomatous pyelonephritis, malacoplakia and megalocytic interstitial nephritis are rare conditions and considered as unusual pyelonephritis. Xanthogranulomatous pyelonephritis is a chronic infective condition with enlarged kidney and irregular yellowish necrotic areas, sometimes resembling renal cell carcinoma. Microscopically, the yellowish areas are consisted of admixture of large finely granular form cells containing lipid and smaller macrophages containing coarser granules. Malacoplakia is thought to be an unusual infective origin showing yellowish or tan nodules in parenchyme, consisted of clusters of large polygonal cells having eosinophilic cytoplasm including Michaelis-Gutmann body (M-G body). Megalocytic interstitial nephritis is also a rare condition with many of the features of malacoplakia. It may involve the kidney diffusely, with multiple grayish foci of solitary cortical nodule resembling tumor. Histological characteristics are large polygonal cells with coarsely granular eosinophilic PAS positive cytoplasm. M-G body is a differential point from malacoplakia. Characteristic pathological findings of these cases are presented.