Dear Sir,

Sarcoidosis and systemic lupus erythematosus (SLE) are both multisystemic, distinctive disorders of unknown etiology. Sarcoidosis is characterized by an accumulation of monocyte-macrophages to form noncaseating granulomata. In SLE, tissue manifestations are associated mainly with complement activation by autoantibodies and immune complexes, and to some extent by cell-mediated immune complexes, and to some extent by cell-mediated immune mechanisms. Renal involvement may occur in both diseases but is more common in SLE. The coexistence of sarcoidosis and SLE is uncommon [1-4] and the simultaneous involvement of the kidney in this situation is rare. To our knowledge, this is only the second case reported where the kidney is involved in such patients, and the first case was not biopsied [2].

A 43-year-old female presented initially with iridocyclitis, which improved with topical prednisone. A year later, she developed cough with bilateral interstitial lung infiltrates showing sarcoid granulomata and was treated successfully with steroids. Ten months later, she developed recurrent lung disease, fever, generalized arthralgia hilar and nontender inguinal lymphadenopathy. Laboratory studies were as follows: urine protein 0.8 g/24 h with normal sediment, serum BUN 4.6 mmol/l (15 mg/dl), creatinine 53 mmol/l (0.6 mg/dl), calcium 1.9 mmol/l (7.8 mg/dl), phosphorus 0.90 mmol/l (2.8 mg/dl), albumin 27 g/l (2.7 g/dl), and polyclonal globulins 38 g/l (3.8 g/dl). ANA was 1:320 with a smooth pattern, and anti-double-stranded (ds) DNA was 28% (normal 0-4%). The rheumatoid factor was positive, angio-tensin-converting enzyme (ACE) was 115 U/l (normal 8-52), C3 9.8 g/l (98 mg/dl) and C4 1.3 g/l (13 mg/dl; normal 15-45). A 3-day pulse dose of intravenous methylprednisolone produced remission.

By percutaneous renal biopsy, the glomeruli showed mild to moderate mesangial widening, thickened capillary walls and small areas of capillary thrombi and necrosis (fig. 1). Scattered small interstitial, noncaseating granulomata were noted (fig. 2). Immunofluorescence microscopy (IF) revealed diffuse, granular IgM, 2 + IgG, 3 + C1q and 1 + Q deposits in the glomerular mesangium and capillary walls. Subepithelial and mesangial electron-dense deposits were found (fig. 3a, b). A diagnosis of membranous and focal glomerulonephritis along with interstitial sarcoid granulomata was made.
The patient responded to prednisone in tapering doses over the next 8 months. Four months after prednisone was discontinued, she noted transient arthralgia in her small joints with persistent ocular blurring and photophobia but no pulmonary symptoms. Renal function remained stable with trace proteinuria. The anti-ds DNA antibody titer had normalized, but the ACE level was still elevated at 97 U/l.

Although the commonest cause of renal disease in sarcoidosis is related to hypercalce-mia and nephrolithiasis [5], other renal com-

---

**References**


