

Renal Sarcoidosis

Sarcoidosis is a multisystem disease of unknown cause. Most often it affects young and middle-aged people. It is often manifested by bilateral hilar adenopathy, pulmonary infiltrates, and ocular and skin lesions. The liver, spleen, lymph nodes, salivary glands, heart, nervous system, muscles, bones and other organs may also be affected.^[1] **Kidney** damage is not common.

Epidemiology

Renal impairment is found in approximately 0.8% of patients. It does not occur in patients with Löfgren's syndrome.

Symptoms

The most common symptoms include nephrocalcinosis or nephrolithiasis. In 20% of patients with sarcoidosis, granulomatous inflammation in the renal parenchyma is present, but only rarely do clinically manifest like granulomatous ischemic nephritis or glomerular disease.

Treatment

For **hypercalciuria**, we choose measures to minimize the formation of stones. We provide adequate hydration, a diet with limited vitamin D (fish oils). Opinions differ on whether to recommend a Ca-poor diet. This is due to the lack of evidence of its effect on calcium homeostasis and the fact that increased intestinal absorption of oxalate occurs after dietary calcium restriction. In isolated hypercalciuria associated with nephrolithiasis without any indication for corticosteroids, thiazide diuretics should be tested before use.

In renal failure, treatment consists of rehydration, loop diuretics to promote renal Ca secretion, and corticosteroids.

 For more information see *Chronic renal failure*.

Links

Related articles

- Sarcoidosis (pathology)
- Sarcoidosis (internal)

Resource

- ANTON, Jan. Materiály k přednášce "Sarkoidóza".

References

1. HUNNINGHAKE, G W – COSTABEL, U – ANDO, M. ATS/ERS/WASOG statement on sarcoidosis. American Thoracic Society/European Respiratory Society/World Association of Sarcoidosis and other Granulomatous Disorders. *Sarcoidosis Vasc Diffuse Lung Dis* [online]. 1999, vol. 2, no. 16, p. 149-73, Available from <<https://www.ncbi.nlm.nih.gov/pubmed/10560120>>. ISSN 1124-0490.