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Title: Clinical Dilemma of Corneal Opacity

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Lecithin:Cholesterol acyltransferase (LCAT) is a liver enzyme necessary for formation of cholesteryl esters in plasma from free cholesterol. The rare autosomal recessive disease resulting from familial deficiency of this enzyme can lead to nephropathy with kidney involvement generally being the most common cause of death. In addition, the disease process can engender corneal opacity, very low HDL, normochromic anemia, and nephropathy. We present this case of a 35-year-old male who initially visited for a second opinion for renal failure and nephrotic range proteinuria. He underwent renal biopsy which displayed FSGS type injury pattern and was started on futile high dose steroid therapy. A second renal biopsy coincided with the development of corneal opacity leading to a confirmatory testing of LCAT deficiency via biochemistry panel.