

CASE 067

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INTRODUCTION:

52 yr old male presented with anasarca for 10 days and nephrotic range proteinuria. Urine R/M: Protein 3+, RBC: Nil, WBC: 3 to 4. S. cr 1.85 mg/dl. HBsAg/HIV/HCV – Non reactive. ? Amyloid ? MGN. A linear kidney core biopsy tissue was sent for evaluation.

HISTOPATHOLOGICAL, IMMUNOFLOUORESCENCE AND IMMUNOHISTOCHEMISTRY EVALUATION:

Kidney biopsy reveal 23 glomeruli. All the preserved glomeruli show variable glomerulomegaly with moderate to marked thickening of the glomerular capillary wall with extensive sub-endothelial deposits, which are highlight as fuschinophilic deposits in Masson's trichrome stain with few glomeruli showing rare eosinophilic intracapillary plugs. Few glomeruli show lobular accentuation, mesangial hypercellularity and matrix expansion with endocapillary hypercellularity and neutrophilic exudation.

PLA2R (IHC): Diffuse granular positivity along capillary loops.

Congored stain and Serum amyloid associated protein (SAA) were Negative.

DIF shows granular capillary loop staining for IgG, C3, Kappa and Lambda. The intracapillary plugs show staining for IgM.