

	Patient 1	Patient 2	Patient 3
Age	16	16	17
Gender	F	F	M
Race/ Ethnicity	African American	White	Asian
Clinical features	Lower extremity edema,	Edema, ascites,	
BMI (%ile)	99	44	46
BP	100/64 mmHg	124/93 mmHg	107/66 mmHg.
GFR	100 mL/min	90 mL/min	140 mL/min
Urinalysis	proteinuria (4+), UPCR (5 mg/mg), microscopic hematuria	proteinuria (4+), UPCR (3.39 mg/mg)	proteinuria (4+), UPCR (4.79 mg/mg)
Other labs	Hypoalbuminemia (2.6 g/dL), Normal C3 &C4, Hypercholesterolemia, Hypertriglyceridemia. HIV, HBsAg- Non reactive. Serum PLA2R antibody- NR.	hypoalbuminemia (1.3 g/dL), Normal C3 &C4, Hypercholesterolemia, Hypertriglyceridemia. HIV, HBsAg- Non reactive.	Hypoalbuminemia (2.5 g/dL), Normal C3 &C4, Normal lipid panel,
Kidney Ultrasound	Normal	Normal	Normal
Kidney Biopsy	Renal biopsy revealed PLA2R- positive membranous nephropathy with intramembranous immune deposits, segmental sclerosis, and focal acute tubular injury. No endocapillary hypercellularity or crescent. By EM, there are rare glomerular capillary loops with fibrin tactoids, could suggest an early prothrombotic state.	PLA2R negative by IF, no significant chronicity, no globally sclerosed glomeruli, and minimal (<1%) interstitial fibrosis with proportional tubular atrophy, there are rare reticular aggregates within endothelial cells by EM	Diffuse global capillary loop polyclonal staining for IgG and C3 by IF, with frequent subepithelial immune complex deposits with no subendothelial or mesangial deposits by EM. PLA2R IF shows 1+ diffuse global capillary loop staining.
ACEi/ ARB usage	Losartan 100 mg daily.	Lisinopril and Losartan for 2 months	Lisinopril for 20 months
Immunosu pressive agent usage	Rituximab 375 mg/m ² , 4 doses, weekly	Rituximab 1 g, 2 doses, 2 weeks apart	Acthar-biweekly for 16 months
Labs after completing therapy	GFR: 109 mL/min UPCR: 2 mg/mg. S. Albumin: 2.7 g/dL.	GFR:147 mL/min. UPCR: 4.43 mg/mg. S. Albumin: 2 g/dL.	GFR:97 mL/min. UPCR: 0.17 mg/mg. S. Albumin: 4.7 g/dL.
Follow-up	5 years	3 years	4 years
Most recent labs	GFR: 101 mL/min. UPCR: 0.24 mg/mg. S. Albumin: 4.1 g/dL.	GFR:101 mL/min. UPCR: 0.05 mg/mg. S. Albumin: 4.3 g/dL.	GFR: 75 mL/min. UPCR: 0.06 mg/mg. S. Albumin: 4.5 g/dL.
UPCR: Urine protein creatinine ratio; C3- Complement 3; C4: Complement 4; HBsAg: Hepatitis B surface Antigen; PLA2R: Phospholipase A2 receptor; IF: Immunofluorescence; EM: Electromicroscopy; ACEi: Angiotensin Converting Enzyme inhibitor; ARB: Angiotensin Receptor Blocker;			