

| Type of GN | Lab Markers | Extrarenal manifestations | Pathological features | Treatment |
|--|---|---|---|--|
| Post-infectious related | + BC ASO titre Low C3 | Pharyngitis Impetigo Abcess Endocarditis | Diffuse proliferation immunofluorescence IgG and C3 | Infection dependent |
| ANCA associated <ul style="list-style-type: none"> - Pauci Immune - Granulomatosis with polyangitis (<i>Wegners</i>) | + ANCA Ab (MPO or PR3) | Pulmonary nodules/infiltrates Arthralgias Leukocytoclastic vasculitis Neuropathy | Necrotising crescentic Immunofluorescence (-) or trace Ig | Immunosuppression with steroids then dependent on biopsy features and response to steroids |
| IgA Nephropathy (<i>Berger's</i>) | Galactose-deficient IgA1 | Skin rash Abdominal pain (IgA vasculitits) Hematuria post URI | Immunofluorescence stain IgA | ACEi/ARB Statin Fish oil Immunosuppression – corticosteroid or budesonide (Tarpayo) Investigational – sparsentan (PROTECT study) |
| Lupus Nephritis | + ANA + anti-double stranded DNA antibodies (anti-DS DNA Ab) Low C3 or C4 + anti-phospholipid antibodies | Skin rash Arthralgia Serositis | Varies – findings define classification Six classes (I-VI) <ul style="list-style-type: none"> - II and IV = most severe | Treatment based on classification Immunosuppression <ul style="list-style-type: none"> - Corticosteroids - Monoclonal Ab Other Tx based on Sx |
| Cryoglobulinemic | Hepatitis serology Low C3 Monoclonal Ig Hematologic OR autoimmune biomarkers + Seronegative | Purpura Arthralgias Peripheral neuropathy Skin ulcers | Dependent on type of cryoglobulin IgM or IgG Light chain restriction | Immunosuppression <ul style="list-style-type: none"> - Corticosteroids - Azathioprine - Cyclophosphamide - Rituximab (refractory/severe) |
| Anti-glomerular basement membrane (GBM) (<i>Goodpasture's</i>) | + anti GBM antibodies (+/- anti ANCA antibodies) | Pulmonary Hemorrhage | Necrotising crescentic Immunofluorescence Linear IgG along GBM | Immunosuppression <ul style="list-style-type: none"> - Corticosteroids - Cyclophosphamide Plasmapheresis |
| Monoclonal Ig | Low C3 or C4 Monoclonal Ig | Hematologic malignancy Monoclonal gammopathy or renal significance | Membranoproliferative Immunofluorescence IgG κ or λ light chain restriction | Dependent on underlying pathology |

Indicated immune complex deposition disease process