

Anti-glomerular Basement Membrane Antibodies

Anti-glomerular basement membrane antibodies are IgG and IgM antibodies directed against protein in the basement membranes of kidney glomeruli and lung alveoli. This results in the clinical condition Goodpasture's disease which is characterized by glomerulonephritis resulting in hematuria and lung damage resulting in hemoptysis.



PLAY PICMONIC

Glomerulonephritis

Glom-mare

The formation of anti-glomerular basement membrane antibodies results in glomerulonephritis due to damage to the kidney glomerular basement membrane.

Goodpasture's Disease

Gold-pastor

This is the name of the disease entity resulting from the formation of anti-glomerular basement membrane antibodies. It is characterized by lung and kidney damage.

Linear immunofluorescence

Linear In-moon-fluorescence

A kidney biopsy demonstrating linear IgG deposits along the basement membrane of the kidney glomerulus is diagnostic of Goodpasture's disease.

Hemoptysis

Red-mop coughing blood

Damage to the basement membranes of lung alveoli results in the patient coughing up blood.

Hematuria

Red-urinal

Damage to the basement membranes of kidney glomeruli results in the patient peeing blood.