

VASCULITIDES WITH RENAL INVOLVEMENT

RESULTING IN ACUTE & SUBACUTE KIDNEY INJURY

DISEASE TYPE	RENAL MANIFESTATIONS	RENAL SIGNS/SYMPOMTS	OTHER SIGNS/SYMPOMTS
Anti-GBM Disease Anti-Glomerular Basement Membrane & Goodpasture's Syndrome	<ul style="list-style-type: none"> • glomerulonephritis, often rapidly progressive • necrotizing crescentic glomerulonephritis 	<ul style="list-style-type: none"> • hematuria • edema • proteinuria • dysuria 	<ul style="list-style-type: none"> • lethargy • persistent dry cough • dyspnea • pulmonary hemorrhage
MPA Microscopic Polyangiitis GPA Granulomatosis with Polyangiitis	<ul style="list-style-type: none"> • glomerulonephritis, often rapidly progressive • necrotizing crescentic glomerulonephritis 	<ul style="list-style-type: none"> • microscopic hematuria • proteinuria • granular or RBC casts 	<ul style="list-style-type: none"> • rapid and sudden weight loss • cough, dyspnea, stridor, hemoptysis • deep vein thrombosis • mononeuritis multiplex • upper respiratory involvement (favors GPA) <ul style="list-style-type: none"> - scleritis, conjunctivitis - sinusitis & otitis media • skin lesions/purpuric rash, often on the legs (favors MPA) • often, but not always, MPO-ANCA* (favors MPA) or PR3-ANCA* (favors GPA)
EGPA Eosinophilic Granulomatosis with Polyangiitis	<ul style="list-style-type: none"> • necrotizing crescentic glomerulonephritis • eosinophilic interstitial nephritis 	<ul style="list-style-type: none"> • microscopic hematuria • proteinuria • granular or RBC casts 	<ul style="list-style-type: none"> • adult onset asthma • rapid and sudden weight loss • arthralgia & myalgia • mononeuritis multiplex • eosinophilia • eosinophilic myocarditis, chest pain
PAN Polyarteritis Nodosa	<ul style="list-style-type: none"> • inflammation of renal arteries & medium sized arteries of the kidney leading to kidney damage 	<ul style="list-style-type: none"> • rapidly developing hypertension • proteinuria • hematuria 	<ul style="list-style-type: none"> • anorexia & abdominal pain • arthralgia • asymmetric mononeuritis multiplex • testicular pain in men
IgA Vasculitis (Henoch-Schönlein Purpura)	<ul style="list-style-type: none"> • nephrotic syndrome • glomerulonephritis 	<ul style="list-style-type: none"> • proteinuria • microscopic hematuria 	<ul style="list-style-type: none"> • arthritis • polyarthralgia • palpable purpuric rash • periarticular tenderness • abdominal pain
Hypocomplementemic Urticarial Vasculitis	<ul style="list-style-type: none"> • glomerulonephritis • nephrotic syndrome 	<ul style="list-style-type: none"> • hematuria • proteinuria 	<ul style="list-style-type: none"> • fever and swollen lymph nodes • indurated wheals lasting > 24 hours • abdominal pain • COPD • hypocomplementemia • polyarthralgia



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*ANCA Associated Anti-neutrophilic cytoplasmic antibody
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