

Systemic Autoimmune Disorders that cause inflammatory arthritis-type symptoms

% of time that Autoantibodies are positive with these conditions; (+/-) = sometimes present											
Autoantibody	Formally Known As:	Systemic Lupus Erythematosus (SLE, Lupus)	Scleroderma (Progressive Systemic Sclerosis, PSS)	Sjogren's Syndrome	Dermatomyositis (DM)	Polymyositis (PM)	Mixed Connective Tissue Disease (MCTD)	Rheumatoid Arthritis (RA)	Wegener's granulamatosis (WG)	Used to:	Other Autoimmue Ab information
ANA	Anti-Nuclear Antibody	99%	88%	85%	+/-	+/-	+/-	55%			
ANCA	Anti-neutrophil Cytoplasmic Antibody (P-ANCA and C-ANCA)								up to 90%, depends on disease activity	Diagnose WG, Monitor progress, Detect relapse	Detection of ANCA somewhat dependent on whether there is kidney involvement
Anti-dsDNA	Double Strand Anti-DNA Antibody	50-80%	<5%	20-30%			20-25%	1%		Diagnose and Monitor SLE	
Anti-SS-A (Ro)	Sjogren's Syndrome A	25-30% especially when ANA is negative		10-70%				+/-		Diagnose Sjogren's Syndrome	Subtype of ANA
Anti-SS-B (La)	Sjogren's Syndrome B			15-60%				+/-		Diagnose Sjogren's Syndrome	Subtype of ANA
RF	Rheumatoid Factor	+/-	+/-	+/-			+/-	80%		Diagnose RA	
Jo-1 Antibody	Jo-1 Antibody				30-50%	30-50%				Help diagnose DM and PM	
RNP	Ribonucleic Protein	25-50%	20%	50%			Almost 100%, when only autoantibody positive highly suggestive of MCTD	+/-		Help diagnose SLE and MCTD	
Anti-SM, (Smith)		Highly specific if only autoantibody present, but only found in 25-30%		1-5%			8%			Help diagnose SLE and MCTD	
SCL-70	Scleroderma Antibody		25-60%	5%	5%	5%				Diagnose Scleroderma	
Primary symptoms and/or organ involvement		Chronic inflammatory disease, any part of body, especially skin, joints, blood and kidneys	Swelling, stiffening, and tightening of the skin, many organs may be affected	Dry eyes, mouth, and mucous membranes	Edema, muscular inflammation and weakness	Symmetrical muscular weakenss and inflammation	Swelling of the hands, lupuslike rashes, arthritis, muscle weakness	Chronic inflammatory disease affecting most joints	Small arteries of kidneys, lungs, and respiratory tract inflamed and damaged		