

**Key Points (Diseases listed in alphabetical order, continued)**

Disease	Description	Echo features include:
<b>Rheumatoid Arthritis (RA)</b>	RA is a systemic rheumatic, autoimmune disease of unknown aetiology that is characterised by persistent inflammation of a synovial membrane of the small joints of the hands and feet.	<ul style="list-style-type: none"> <li>• Pericardial effusion (most common)</li> <li>• Diffuse aortic and mitral valve thickening +/- AR and MR</li> <li>• Valvular nodules (located at the basal or mid portions of the aortic and/or mitral valve leaflets)</li> <li>• LV systolic dysfunction</li> <li>• RWMA (when associated CAD)</li> <li>• Signs of pulmonary hypertension</li> <li>• restrictive cardiomyopathy (when secondary amyloidosis)</li> </ul>
<b>Sarcoidosis</b>	Sarcoidosis is an infiltrative, granulomatous disease of unknown aetiology that can affect multiple organs such as the lungs, lymph nodes, liver, spleen, skin, parotid glands and the heart.	<ul style="list-style-type: none"> <li>• RWMA (non-coronary distribution)</li> <li>• Thinning or thickening of ventricular walls (e.g. thinning of basal anterior septum)</li> <li>• Normal or dilated cardiac chambers</li> <li>• Normal or impaired systolic function</li> <li>• Diastolic dysfunction</li> <li>• Pulmonary hypertension (pulmonary involvement)</li> </ul>
<b>Systemic Lupus Erythematosus (SLE)</b>	SLE is a chronic multisystem, autoimmune disorder that results in a chronic or recurrent inflammatory disease that predominately affects the musculoskeletal and mucocutaneous systems.	<ul style="list-style-type: none"> <li>• Pericarditis (most common)</li> <li>• Libman-Sacks endocarditis</li> <li>• RWMA (secondary to myocardial infarction)</li> <li>• Valvular thickening with associated regurgitation</li> <li>• Pulmonary hypertension</li> </ul>
<b>Systemic Scleroderma (SSc)</b>	Scleroderma is an autoimmune disease whereby excessive connective tissue accumulates in the skin, blood vessels, joints, skeletal muscle, and/or other organs including the heart.	<ul style="list-style-type: none"> <li>• Pericardial effusion (most common)</li> <li>• RWMA (secondary to CAD, myocardial infarction)</li> <li>• Pulmonary hypertension</li> <li>• Valvular sclerosis</li> </ul>