



Articular and Extra-articular Manifestations of Rheumatoid Arthritis

Articular Manifestations

- Swelling of soft tissue synovium and synovial fluid present
- Small joint involvement
- Symmetric involvement
- Joint tenderness
- Limited range of motion
- Decreased muscle strength and function around inflamed joints

Extra-articular Manifestations

- Dermatologic:* rheumatoid nodules, vasculitis, drug reactions
- Ophthalmologic:* keratoconjunctivitis sicca, episcleritis, scleritis, scleromalacia perforans
- Pulmonary:* basilar pulmonary fibrosis, multiple lung nodules, pleurisy, bronchiolitis obliterans organizing pneumonia
- Cardiac:* pericarditis, pericardial effusion, valvular defects, conduction defects
- Gastrointestinal:* xerostomia; gastritis or peptic ulcer disease from NSAIDs
- Renal:* proteinuria if secondary amyloid present; interstitial disease from NSAIDs and other treatment-related problems
- Hepatic:* nodular regenerative hyperplasia, portal fibrosis
- Neurological:* cervical spine instability, peripheral nerve entrapment, mononeuritis multiplex from vasculitis
- Hematologic:* lymphadenopathy, splenomegaly, leukopenia (Felty's syndrome), malignancy, amyloidosis, cryoglobulinemia, large granular lymphocyte syndrome

Table from *Physicians Information and Education Resource (PIER)*, *Rheumatoid Arthritis* module.