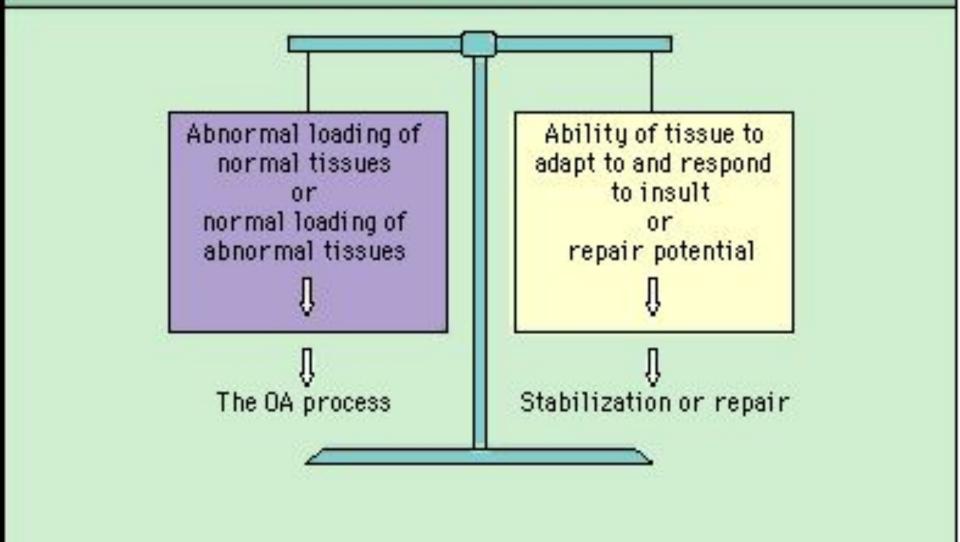
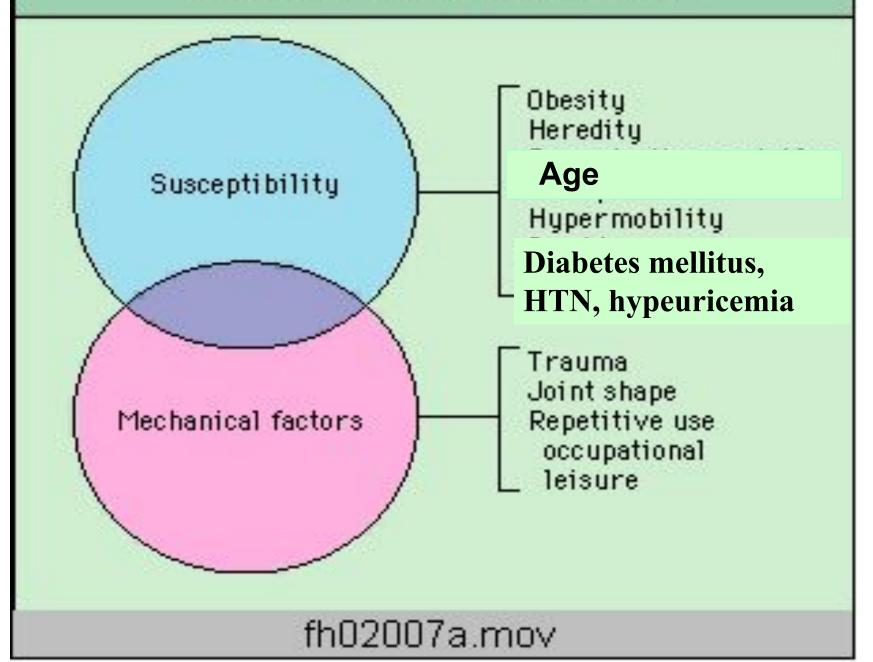
OA as a Balance of Etiologic Factors and Tissue Processes

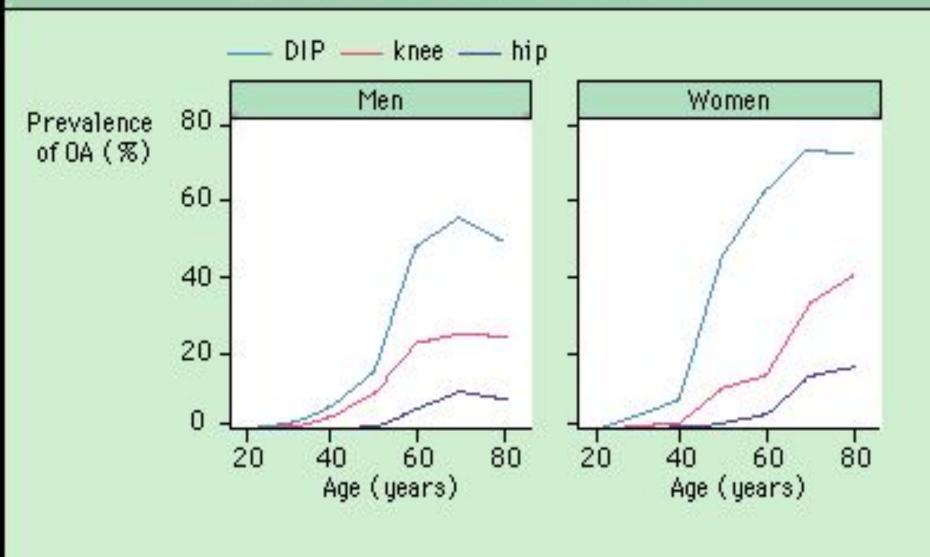


Individual Risk Factors for OA

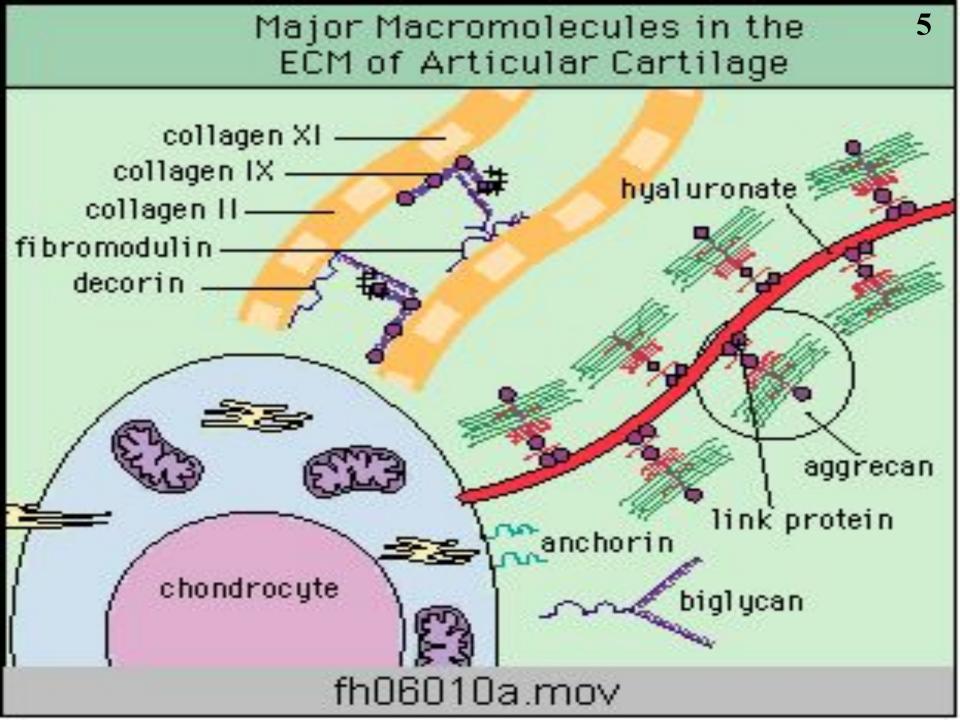


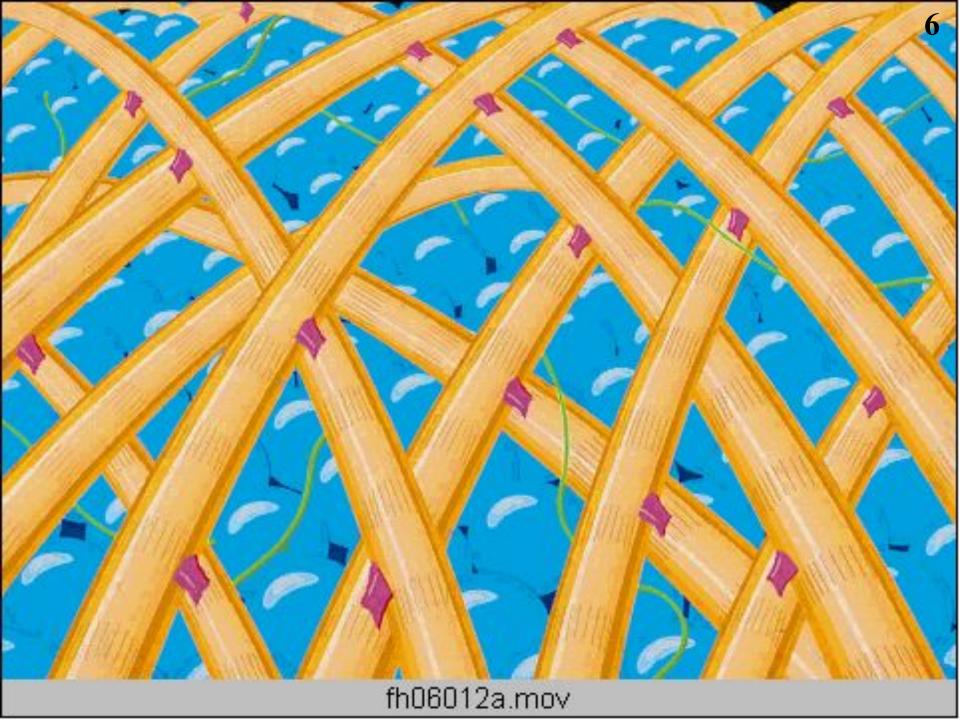
Factors with protective influence on OA

- Reproductive variables (Estrogens)
 - Osteoporosis
 - Smoking



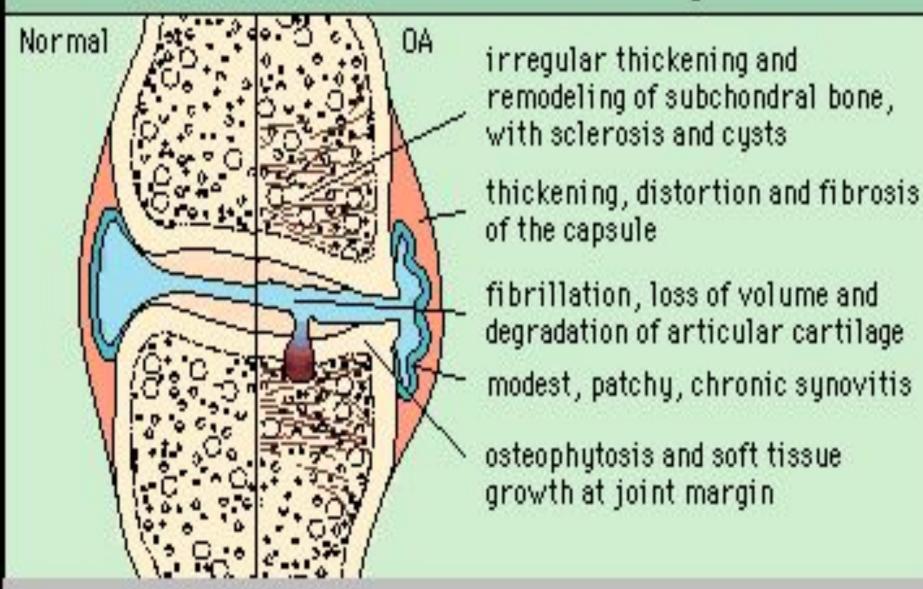
fh02005a.mov







A Normal Versus an Osteoarthritic Synovial Joint



fh01002a.mov

Chief joint site (index joint site) and localization within the joint: Hip (superior pole, medial pole or concentric) Knee (medial, lateral, patellofemoral compartments) Hand (interphalangeal joints and/or thumb base) Spine (apophyseal joints or intervertebral disc disease) Others Classification into primary and secondary forms of OA Primary = idiopathic Secondary indicates that a likely cause can be identified Causes of secondary OA Metabolic: examples include, Ochronosis Acromegaly Hemochromatosis Calcium crystal deposition Anatomic: examples include, Slipped femoral epiphysis Epiphyseal dysplasias Blount's disease Legge-Perthe disease Congenital dislocation of the hip Leg length inequality Hypermobility syndromes Traumatic: examples include, Major joint trauma Fracture through a joint or osteonecrosis Joint surgery (e.g. meniscectomy) Chronic injury (occupational arthropathies) Inflammatory: examples include, Any inflammatory arthropathy Septic arthritis Classification by the presence of specific features Inflammatory OA Erosive OA Atrophic or destructive OA OA with chondrocalcinosis

Othere

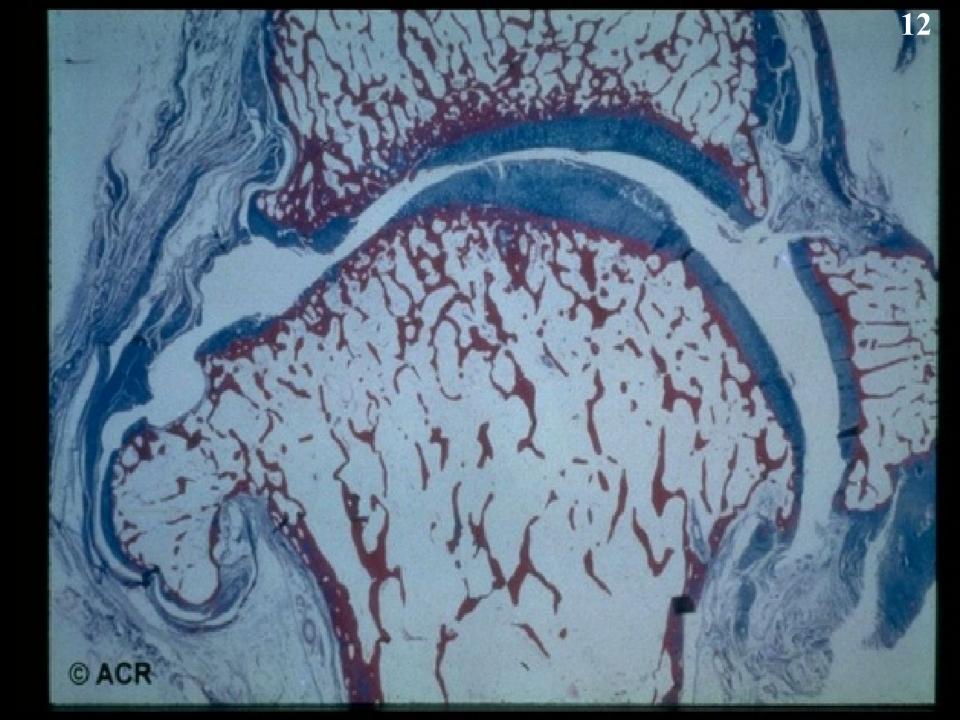
Monoarticular, oligoarticular or polyarticular (generalized)

Osteoarthritis: General Features

Clinical	Laboratory	Radiographic
Age >50	ESR <40 mm/Hr	Osteophytes
Morning Stiffness <30 Minutes	RF Titer <1:40 Noninflammatory Synovial Fluid	Joint Space Narrowing
Crepitus		Subchondral Cysts and Sclerosis
Joint tenderness		
Bony Enlargement		Malalignment
Joint limitation		
Pain on effort		



fh03021a.mov













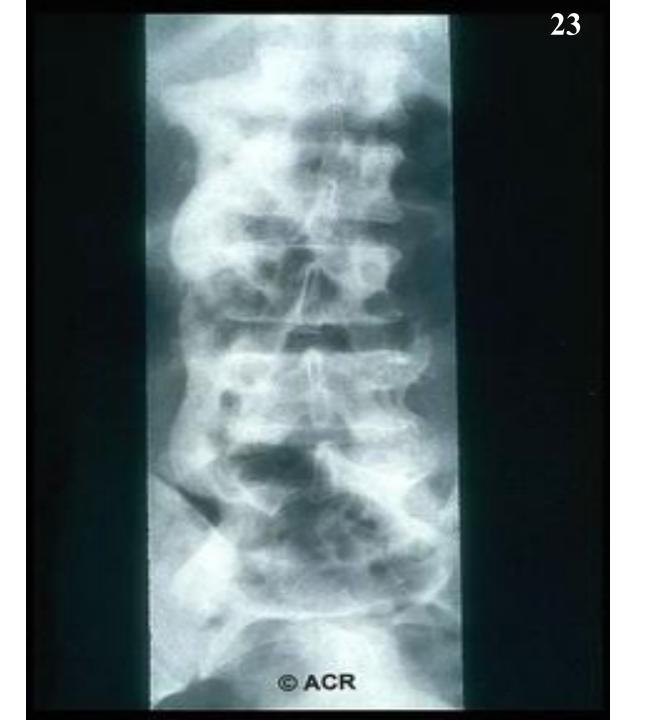




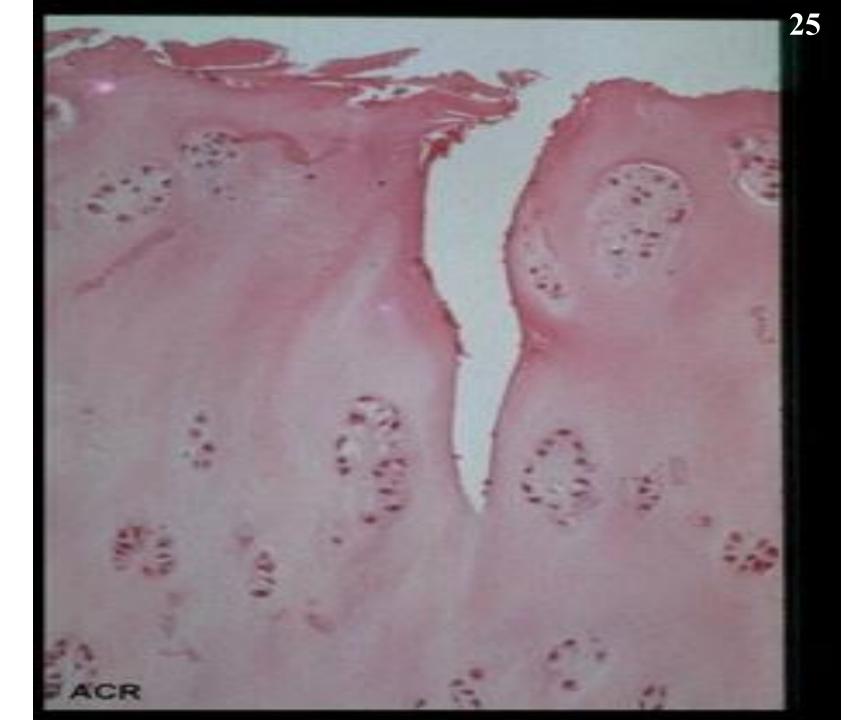


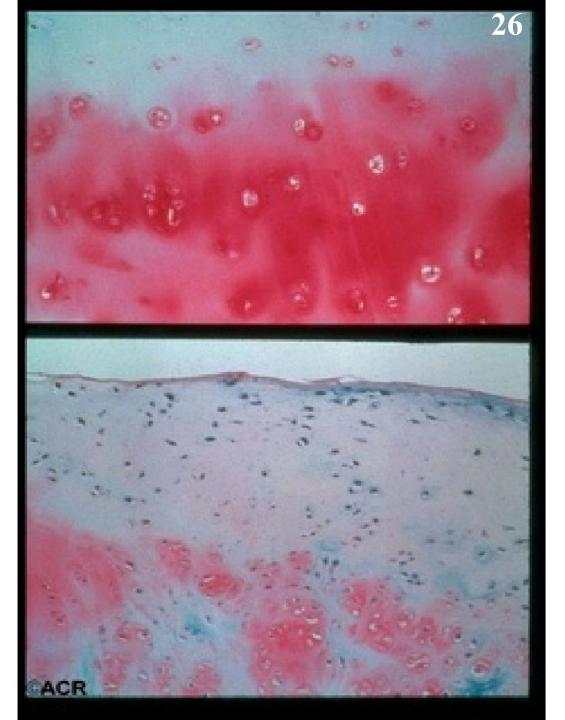














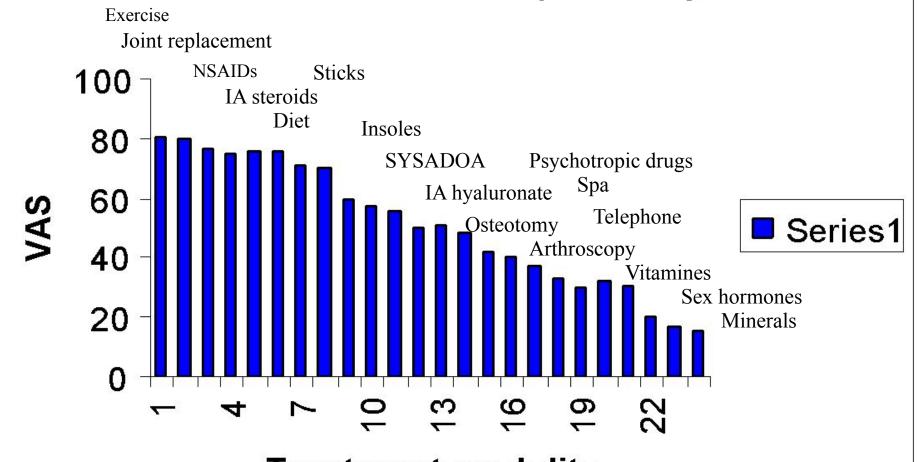


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Therapy used for patients with OA

- **Education**
- **Exercise therapy**
- **Hydrotherapy**
- Footwear and walking aids
- Systemic drug therapy
- Intra-articular drug therapy
- Rubefaciens and other local applications
- Surgery: arthroscopy, osteotomy, joint replacement, arthrodesis
- Complimentary techniques for pain relief:
 - chiropractic, acupuncture, shiatsu, massage, herbal

Overall experts' opinion of the usefulness of the different treatment modalities for OA (EULAR)



Treatment modality
0 = I do not recommend100 = I strongly recommend

