
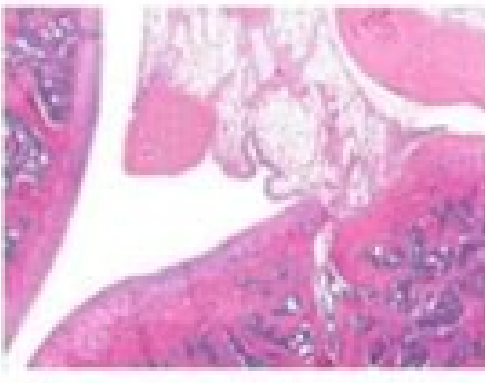


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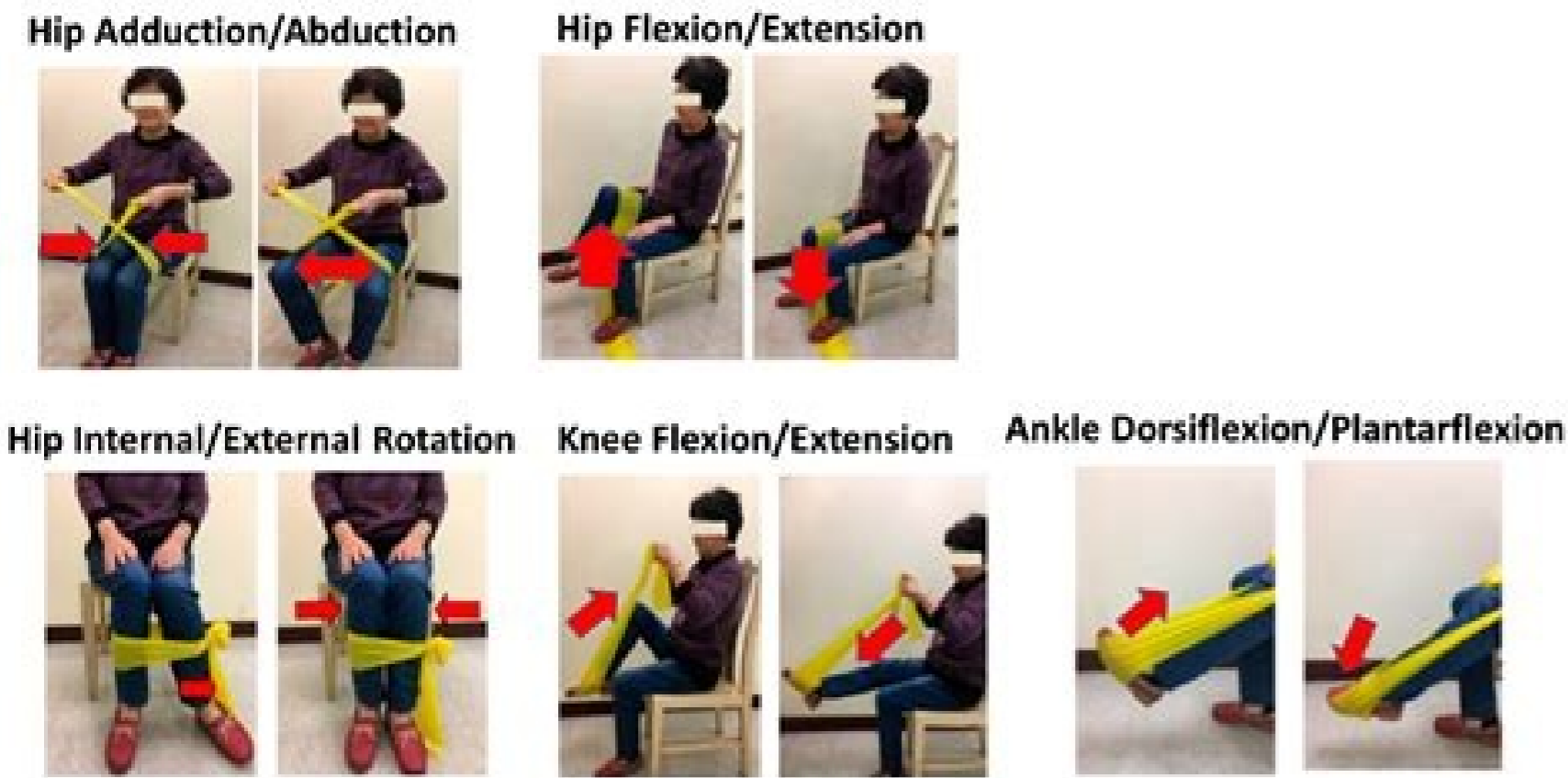
arthrolink.com **Cartilage and chondrocyte**



Cartilage is a very specific type of dense connective tissue

- **Non vascularised:** it draws its nutrients by a process of diffusion from the synovial fluid secreted by the synovial membrane and the subchondral bone.
- **Not innervated:** it cannot therefore be held directly responsible for the pain experienced by osteoarthritis sufferers
- **Cartilage consists of a single type of cell, chondrocytes,** embedded in the matrix they create

Under normal conditions, chondrocytes have low metabolic activity which is mainly confined to breaking down various elements in the matrix (proteoglycans and collagen) and to renewing these same matrix components



Explain the pathophysiology of osteoarthritis. The pathophysiology of osteoarthritis a mechanical perspective on the knee joint. Clinical features of osteoarthritis of knee. Describe the pathophysiology of osteoarthritis. Pathophysiology of knee osteoarthritis pain. How to diagnose osteoarthritis of the knee.

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