

## Function of the Fiber Fusion Disc



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Composed of a fibrous anulus fibrosus and a gel-like nucleus pulposus, it works alongside structures like the intervertebral foramen to support spinal nerve function.



More studies are required to clarify the potential contribution of elastic fibers to the IVD (healthy and diseased) function and recommend critical areas for future investigations.



Elastic Cartilage: Contains more elastic fibers, found in the ear and epiglottis, allowing flexibility.  
Fibrocartilage: A hybrid of dense connective tissue and cartilage, found in the menisci (knee) and ...



The discs act as fibrocartilaginous cushions, serving as the spine's shock absorbing system. This cushions the effect of shock and stress produced when an individual walks, runs, ...



In this paper, we review recent and historical studies which have examined both the structure and the function of the human lumbar anulus fibrosus elastic fibre network, provide a synergistic discussion in ...



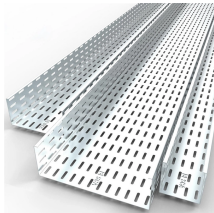
The intervertebral disc acts as a cushion, allowing the spine to bend and twist without damaging the vertebrae. If the disc is damaged or degenerates, it can lead to pain, stiffness, and ...



Disc aging leads to an overall loss of water content and conversion to fibrocartilage



Its primary function is to resist the forces of tension, which occur when the spine is stretched, and torsion, which is the twisting motion generated during rotation.



Some people get a discectomy or spinal fusion for disc herniation to alleviate neck pain. In this issue, the nucleus pulposus pushes out through the outer annulus and can press on nearby or ...



Its chief functions are to transmit and distribute load over the tibial plateau, increase joint congruency, stabilize the joint, and improve articular cartilage nutrition and lubrication.

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