

Morphometric Indices at Degenerative Stenosis of Cervical Level of Spinal Canal. Current State of the Art (Literature Review)

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Abstract

Degenerative stenosis of cervical level of spinal canal occurs in 4,9 – 9 % among the adult population and are caused by the progressing cervical osteochondrosis. Cervical osteochondrosis dominates in the structure of morbidity of the adult population and is defined by the high frequency of disablement and incapacitation. Over the past few decades the capacities of the diagnostics of spinal canal stenosis significantly increased. Modern methods of neuroimaging help to differentiate the changes in spinal canal structures and to determine the degree of compression of vascular and neural spinal canal structures, to assess epidural and liquor space of spinal cord.

Further studying of the degree of spinal canal stenosis with assessment of the reserve spaces state, studying remote results of the treatment and determination of the correlation of neurological disorders with stenosis allows us to predict the course of degenerative processes and to choose optimal algorithms for conservative and surgical treatment tactics.

Key words: Cervical Spine, Magnetic Resonance Imaging, Multi-slice Computed Tomography, Spinal Canal Stenosis.

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