

Updates of Black holes in Multiple Sclerosis; a review article

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Multiple sclerosis (MS) is a chronic demyelinating disease of central nervous system (CNS), which usually affects young females. Recently, the role of neuro-degeneration in the pathophysiology of MS has become more prominent. In this study we reviewed the definition, evolution and pathology of black holes as an important sign of neuro degeneration of MS in MRI. Moreover black holes appearance in different imaging techniques, recent treatments and predictive values of blacks were reviewed .

Key words: Multiple Sclerosis, Black Holes