Variations of shape, length, branching, and end trunks of M1 segment of middle cerebral artery

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Introduction: The middle cerebral artery is divided into four segments: proximal M1, insular M2, opercular M3 and cortical M4. ...

Immunohistochemical Expression of Nestin as Cancer Stem Cell marker in Gliomas

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Background: Gliomas represent the most frequent primary tumors of central nervous system (CNS), contributing to more than half of the incidence of brain tumors. Cancer stem cell markers (CSC) identify a group of patients at high risk for progression. Nestin is an intermediate filament (IF) protein was first described as a neural stem cell/progenitor cell mark ...

Neurological manifestations of Vitamin D deficiency among medical students

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Background and Objective: Vitamin D status and neurological manifestation of Vitamin D deficiency in medical students is seldom investigated. Design and settings: Cross-sectional Survey conducted at King Khalid University Hospital Riyadh Saudi Arabia. ...
The test of reincarnation of the soul has only been studied through the Tibetan Book of the Dead [1], written by Padmasambhava in the 8th century. He was the founder of the Nyingma school of Tibetan Buddhism and the inner tantras in the 8th century. This book is a handbook for those who have died and which, according to the Tantric Buddhism of Tibet [2], would allow a ...

Exercise induced operant conditioning of the H-reflex in stroke patients: Hopes for improving motor function through inducing plastic changes in the spinal pathways

Background: Cerebrovascular accident is a major cause of disability. Stroke survivors suffer from various severity levels of movement impairment which would substantially affect their quality of life. Several methods have been investigated for improving movement in these patients. Most of the treatment approaches are geared toward inducing neuroplasticity in the brain ...

Neuroplasticity and neuronal communications in the healthy and in the disease brain

In this review we explain: 1) the molecular mechanism by which the nervous system establishes communication between all their cells (neurons and glia), 2) the way by which this system organizes its configuration (plasticity); in order to send
Use of a Zorb Bumper Ball in rehabilitation of a patient with ataxic multiple sclerosis: A case report

Published On: December 19, 2019 | Pages: 057 - 061

Author(s): Randy Karim*, Catherine Holt and Matthew Sutliff

Multiple sclerosis affecting the cerebellum and associated pathways can result in debilitating ataxia. Recent research has shown that reinforcement and goal-based learning may be more effective in improving motor outcomes than error-based motor learning in patients with cerebellar deficits due to decreased intrinsic feedback mechanisms. ...