

In this issue

Research Article

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

Published On: November 22, 2019 | Pages: 052 - 056

Author(s): Valvita Reci* and Sadi Bexheti

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

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Immunohistochemical Expression of Nestin as Cancer Stem Cell marker in Gliomas

Published On: October 31, 2019 | Pages: 047 - 051

Author(s): Rasha Mokhtar Abdelkareem*, Afaf T Elnashar, Khaled Nasser Fadle and Eman MS Muhammad

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 marker ...

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Neurological manifestations of Vitamin D deficiency among medical students

Published On: July 19, 2019 | Pages: 033 - 037

Author(s): Ahmed Hassan Mitwalli*, Durdana Hammad, Rehab B Albakr, Abdullatef Alrashoudi, Abeer Aljomaiah, Sanaa Tulbah,

Rawabi Albogomi, Mohammed Mitwalli and Hussam Mitwalli

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. ...

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The test of reincarnation of the soul by DNA and IRIS scanner (Part Three)

Published On: April 15, 2019 | Pages: 026 - 032

Author(s): Antonio Alcalá Malavé, MD, PhD*

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 ...

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The test of reincarnation of the soul by DNA and IRIS scanner (Part Two)

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Author(s): Antonio Alcalá Malavé, MD, PhD*

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 ...

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The test of reincarnation of the soul by DNA and IRIS scanner (Part One)

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Author(s): Antonio Alcalá Malavé, MD, PhD*

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 ...

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

Published On: January 21, 2019 | Pages: 001 - 005

Author(s): Behdad Tahayori* and David Koceja

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 ...

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Review Article

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

Published On: August 20, 2019 | Pages: 038 - 046

Author(s): María Pilar González*, Adrián Macho-González, Alba Garcimartin, María Elvira López- Oliva, Juana Benedi and José Joaquín Merino

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

signals, which form part of our behaviour, memory, thoughts, movements and all the functions that allow us to communicated w ...

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Case Report

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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. ...

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Perspective Study

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CIDP in elderly patients with sensory ataxia: Never forget to think about Contactin 1 spectrum

Published On: February 21, 2019 | Pages: 006 - 007

Author(s): Marcus Vinícius Magno Gonçalves*, André Eduardo de Almeida Franzoi, Rinaldo Claudino and Osvaldo Nascimento

Chronic inflammatory demyelinating polyneuropathy (CIDP) is an acquired disorder of peripheral nerves. Paranodal axoglial junctions formed by the association of contactin-1 (CNTN1), contactin-associated protein 1 (CASPR), and neurofascin-155 (NF-115) play important functions in nerve impulse propagation along myelinated axons. As with neurofascin antibody-mediated CID ...

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