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In this issue

Research Article

Open Access Research Article PTZAID:JNNSD-3-120

Magnetic Resonance Imaging versus Proton Magnetic Resonance Spectroscopy in Neonatal Hypoxic Ischemic Encephalopathy in Egyptian Population: Pilot study

Published On: August 30, 2017 | Pages: 043 - 050

Author(s): Ossama Y Mansour*, Doaa Hanfy, Sameh Fathy and Rania E Mohammed,

Background: Hypoxic-ischemic encephalopathy (HIE) is a serious condition that results of critical failure of the intrapartum gas exchange and may lead to a signifi cant damage in the central nervous system. Objective: to elucidate the role of brain magnetic resonance imaging (MRI) versus Proton magnetic resonance spectroscopy (1H-MRS) in the diagnosis and evaluati ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000020

Open Access Research Article PTZAID:JNNSD-3-119

The Clinico-Radiological Spectrum of Dyke-Davidoff-Masson Syndrome in adults

Published On: August 07, 2017 | Pages: 038 - 042

Author(s): Zeynep Ozozen Ayas, Kyasettin Asil and Ruhsen Ocal,

Background: Dyke-Davidoff-Masson syndrome (DDMS) is characterized by cerebral hemiatrophy, epileptic seizures, contralateral hemiplegia/hemiparesis, and mental retardation. Aims: In this study, clinical and radiological investigations of seven patients who were diagnosed with DDMS as adults age were evaluated and discussed with the literature. ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000019

Open Access Research Article PTZAID:JNNSD-3-118

Social cognition and prefrontal cognitive function in patients with epilepsy treated with eslicarbazepine acetate

Published On: July 17, 2017 | Pages: 033 - 037

Author(s): Laura Abraira*, Sanabria A, Ortega G, Quintana M, Santamarina E, Salas-Puig J and Toledo M

Purpose: The purpose of this study was to evaluate the impact of treatment with eslicarbazepine acetate (ESL) on social cognition and prefrontal cognitive function in adults with partial onset seizures. ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000018

Open Access Research Article PTZAID:JNNSD-3-114

Comparing Staircase and Skilled Forelimb Reaching Tests After Endothelin-1-Induced Stroke

Published On: May 05, 2017 | Pages: 016 - 022

Author(s): Lindsey D Jager, Claire-Marie A Canda, Megan L Gilbertson, Crystal A Hall, Cassandra L Heilingoetter, Joann Huynh, Susanna S Kwok, Jin H Kwon, Jacob R Richie, Natanya S Russek and Matthew B Jensen*

Background: Stroke is a leading cause of death and disability worldwide, but there are limited treatment options available despite extensive animal studies. ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000014

Open Access Research Article PTZAID:JNNSD-3-112

Treatment of Intracranial Superfi cial Micro-AVMs: A Single Center Experience

Published On: February 23, 2017 | Pages: 007 - 011

Author(s): GM Overdevest, AC van Es, MAA van Walderveen and PWA Willems*

Background: Surgery and embolization may both be considered in ruptured superfi cial micro-AVMs. However, surgery may be challenged by poor recognition of the lesion and embolization by diffi culty in achieving complete obliteration and avoiding en passage feeders. Recent developments in AVM surgery and embolization techniques call for a reevaluation of these treat ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000012

Open Access Research Article PTZAID:JNNSD-3-111

The Potential Role of Store-Operated Calcium Entry (SOCE) Pathways in the Pathophysiology of Epilepsy and Migraine-Like Headaches in Patients with

Neurocysticercosis

Published On: January 25, 2017 | Pages: 001 - 006

Author(s): Yannick Fogoum Fogang*

Cysticercosis is the most common helminthic disease of the nervous system in humans. The clinical presentation of neurocysticercosis (NCC) is nonspecifi c and can mimic a wide array of primary central nervous system (CNS) disorders, making its diagnosis a challenge especially in endemic areas. The pathophysiology of episodic CNS manifestations of NCC is not ...

Abstract View | Full Article View | DOI: 10.17352/jnnsd.000011

Case Report

Open Access Case Report PTZAID:JNNSD-3-117

Absence of CHRDL1 and FOXC1 sequence changes in two brothers with Megalocornea-Mental Retardation Syndrome

Published On: July 03, 2017 | Pages: 028 - 032

Author(s): Gebril OH*, Cheong SS, Hardcastle AJ, Abdelraouf ER, Eid SR and Elsaied M

Megalocornea is a defi ning feature of megalocornea-mental retardation (MMR) syndromealso calledNeuhäuser syndrome, a rare condition of unknown etiology. ...

Abstract View | Full Article View | DOI: 10.17352/jnnsd.000017

Open Access Case Report PTZAID:JNNSD-3-116

Metastic Mesothelioma to the Brain: A Potential Differential Diagnosic Challenge

Published On: June 24, 2017 | Pages: 025 - 027

Author(s): Dalwadi VD, Sheikhi LE, Braun KL, Quist KD and Prayson RA*

Background: Malignant mesothelioma is a rare neoplasm arising from the mesothelial surfaces of the pleural cavity, peritoneal cavity, tunica vaginalis or pericardium that spreads mainly via direct invasion. While distant metastasis is possible, metastasis to the central nervous system (CNS) is rare. ...

Abstract View | Full Article View | DOI: 10.17352/jnnsd.000016

Open Access Case Report PTZAID:JNNSD-3-115

A Case of Isolated Central Nervous System Vasculitis in an Elderly Patient

Published On: June 01, 2017 | Pages: 023 - 024

Author(s): Clara Bartolaminelli, Gian Paolo Anzola*, Matteo Filippini and Gianluca Boari

A 83 year old Italian woman, with unremarkable family history, was admitted in 2013 to a Neurology Ward for lumbar pain and progressive motor impairment of right lower limb.The only remarkable event in her past history had been a clinical diagnosis of Rheumatoid Arthritis (RA) 20 years earlier, not confi rmed by laboratory tests and radiological imaging. The neurologi ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000015

Open Access Case Report PTZAID:JNNSD-3-113

Music Therapy in Patients with Huntington's Disease: A Case Report

Published On: March 23, 2017 | Pages: 012 - 015

Author(s): Monique CH van Bruggen-Rufi*, Annemieke C Vink2, Wilco P Achterberg, Raymund AC Roos

This paper reports about 2 patients with Huntington's disease who benefi t greatly from music therapy while they are struggling with behavioral and emotional problems, due to the advanced stage of the disease. Huntington's disease (HD) is an inherited neuropsychiatric disease with progressive neural degeneration of the basal ganglia and gradual atrophy of the front ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000013

Short Communication

Open Access Short Communication PTZAID:JNNSD-3-121

PCR-RFLP evidences peculiarities in Spinal Muscular Atrophy among Cuban Patients

Published On: September 15, 2017 | Pages: 051 - 052

Author(s): Pita Rodríguez M*, Zaldívar Vaillant T, Zayas Guillot M, Alvarez González MA

Spinal Muscular Atrophy (SMA) is a lethal, autosomal recessive, neurodegenerative disorder characterized by progressive muscle weakness. SMA has an incidence of 1 in 6000-10000 live-births and a carrier frequency of 1:38–50

[1]. Previous reports describe genotype and frequency differences among ethnic groups [2,3]. In around 95% SMA results from the loss of SMN1 ...

Abstract View | Full Article View | DOI: 10.17352/jnnsd.000021