2025 | Volume Volume - 10 - Issue Issue - 1

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Research Article

Open Access Research Article PTZAID:JNNSD-10-162

A new theoretical base for intracranial brain volume normalization in neuroimaging studies

Published On: June 15, 2024 | Pages: 039 - 052

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In the volumetric studies of the brain, there are often conflicting results due to the presence of confounding factors such as age and gender, and covariates like brain volume. At times, in comparison with a control group, for example, this large variability is enough to confound any effect due to the pathology. For this reason, data are generally corrected or normali ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000062

Open Access Research Article PTZAID:JNNSD-10-161

Impact of the COVID-19 pandemic on an Austrian population with or without pre-existing health issues

Published On: May 03, 2024 | Pages: 027 - 038

Author(s): Stefanie Drach, Emanuel Raphaelis, Patrick Langthaler, Vanessa Frey, Susanne Ring-Dimitriou, Arne C Bathke, Eugen Trinka, Bernhard Iglseder and Bernhard Paulweber

Background: The COVID-19 pandemic had significant effects on the well-being of individuals all over the world. The Austrian government decided to take various restrictions to contain the spread of the virus and thus protect the COVID-19 risk groups in particular. The aim of this study is to investigate how the COVID-19 risk groups perceive the pandemic and the restric ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000061

Open Access Research Article PTZAID:JNNSD-10-160

Short report of potential Myelinogenesis effects of taper up-off of opium tincture in rodent model of multiple sclerosis

Published On: April 13, 2024 | Pages: 021 - 026

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Multiple Sclerosis (MS) is one of the most common demyelinating autoimmune diseases that affects the central nervous system and is characterized by major immune-mediated myelin and axonal damage or axonal loss explicable to the absence of myelin sheaths. Here we present the early findings of the gene expression study of myelinogenesis-related genes of MS rat models wh ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000060

Open Access Research Article PTZAID:JNNSD-10-159

Evaluation of neuromuscular junction functions with single fiber electromyography in individuals with persistent fatigue after Coronavirus disease 2019

Published On: February 29, 2024 | Pages: 015 - 020

Author(s): Sadiye Gumusyayla*, Gonul Vural, Serdar Barakli, Rezzan Yildiz, Orhan Deniz, Imran Hasanoglu and Hatice Rahmet Guner

Purpose: Post COVID Syndrome (PCS) is one of the most intriguing topics related to coronavirus disease 2019 (COVID-19). Fatigue is one of the most prevalent and disabling symptoms of PCS. In this study, we aimed to investigate the neuromuscular junction functions in people who have had long-term fatigue due to COVID-19 and to investigate whether the neuromuscular junc ...

Abstract View Full Article View DOI: 10.17352/jnnsd.000059

Open Access Research Article PTZAID:JNNSD-10-158

Blink reflex changes in patient with long COVID headache

Published On: February 29, 2024 | Pages: 009 - 014

Author(s): Sadiye Gumusyayla*, Gonul Vural, Serdar Barakli, Rezzan Yildiz, Orhan Deniz, Imran Hasanoglu and Hatice Rahmet Guner

Background: Headache is a common symptom of long COVID. Blink Reflex (BR) may indicate possible brainstem dysfunction or changes in excitability in the headache. In this study, we aimed to reveal whether one of the underlying

mechanisms of headache in long COVID is dysfunction in the nociceptive centers in the brainstem. Methods: The study included 29 individuals wit ...

Abstract View | Full Article View | DOI: 10.17352/jnnsd.000058

Open Access Research Article PTZAID:JNNSD-10-157

The effectiveness of mindfulness training on social adjustment, self-esteem, and hope among transgender individuals in Tehran

Published On: January 04, 2024 | Pages: 001 - 008

Author(s): Sepideh Savafi*, Saeideh Bazzazian and Cesare R Sirtori

Introduction: This study aimed to assess the efficacy of mindfulness training in enhancing social adjustment, self-esteem, and hope in transgender individuals. Methodology: This research employed a quasi-experimental design, incorporating pre-test and post-test measures, along with a control group. The study population comprised transgender individuals receiving sup ...

Abstract View | Full Article View | DOI: 10.17352/jnnsd.000057