

7th International Conference on
**NEUROLOGY AND BRAIN
DISORDERS**

November 08-09, 2023 | Dubai, UAE



Scientific Program

7th International Conference on Neurology and Brain Disorders

Day 1 - November 08, 2023

Meeting Hall: El Dhiyafa 2

08:45 - 09:15 Registration

09:15 - 09:30 Introduction

Keynote Presentations

9.30 - 10.10 Novel Therapeutic Modalities for the Treatment of Neurodegenerative Diseases
Suhail Rasool, True Binding Inc., USA

10.10 - 10.50 Characteristics of Myelin and Neuronal Density Distributions in the Marmoset Claustrum
Razvan Gamanut, Monash University, Australia

Group Photo (10.50 - 11.00)

Networks & Refreshments (11.00 - 11.30) @ Banquet Pre Function Area

Oral Presentations

Chair **Suhail Rasool**, True Binding Inc., USA

Co-Chair **Rakhimbaeva Gulnora Sattarovna**, Tashkent Medical Academy, Uzbekistan

Sessions: Brain Stimulation and Imaging, Alzheimers, Dementia and Parkinsons Diseases, Pediatric Neurology and Epilepsy, Migraine and Facial Pain, Brain Stimulation and Imaging, Traumatic Brain Injury and Behavioral Neuroscience, Neurology Case Reports and Neurosurgery and Spine

11.30 - 11.55 The Role of Adhesion Molecules and Neuroinflammation in the Pathogenesis of Ischemic Stroke
Rakhimbaeva Gulnora Sattarovna and Abdurakhmonova Kutlibika Bakhtiyorkizi, Tashkent Medical Academy, Uzbekistan

11.55 - 12.20 Cybernetics Treatment and Independence Living Improvement with Wearable Cyborg HAL Trunk Unit for Parkinsonian Gait Disturbances
Akira Uehara, University of Tsukuba, Japan

12.20 - 12.45 Inflammation Markers in Parkinson's Disease
Madjidova.Y.N, Tashkent Pediatric Medical Institute, Uzbekistan

12.45 - 13.10 Imaging Findings of the MRI Brain in Children Presenting with Seizures: A Prospective Cross-sectional Study
Mahnoor Hafeez, Dow University of Health Sciences, Pakistan

Lunch (13.10 - 14.00) @ All Day Dining Restaurant

14.00 - 14.25 New Daily Persistent Headache: A Systematic Review on an Enigmatic Disorder
Nooshin Yamani, University of Copenhagen, Denmark

14.25 - 14.50 Exploring A Novel Treatment Site for Post-Traumatic Headache (PTH) using Transcranial Magnetic Stimulation
Mohammed Ahmed, Kaizen Brain Center, USA

14.50 - 15.15 Post-Traumatic Headache (PTH): Possible New Therapeutic Target for Transcranial Magnetic Stimulation?
Mohammed Ahmed, Kaizen Brain Center, USA

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15.15 - 15.40 A Rare Case of Intramedullary Thoracic Spinal Cord Abscess Mimicking Tumor:
Diagnosis and Management Challenges

Naeem Ul Haq, Mardan Medical Complex (MMC), Pakistan

15.40 - 16.05 Minimally Invasive Posterolateral Approach for Surgical Resection of Dumbbell Tumors
of the Lumbar Spine

Tuigynov Zhandos, National Center for Neurosurgery, Kazakhstan

Networks & Refreshments (16:05 - 16:30) @ Banquet Pre Function Area

16.30 - 16.55 Correction of Autism Spectrum Disorders in Children by Microcurrent Reflexology
Method

Khusenova N.T, Tashkent Pediatric Medical Institute, Uzbekistan

16.55 - 17.20 Role of P11 Through Serotonergic & Glutamatergic Pathways in LID

Alireza Noori, Iran University of Medical Sciences, Iran

Day 1 Concludes followed by Award Ceremony

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Day 2 - November 09, 2023

Meeting Hall: El Dhiyafa 2

Keynote Presentations

10.00 - 10.40	Trigeminal Neuralgia, Differential Diagnosis and Update on Treatment Hossein Ansari , Kaizen Brain Center, University of California, San Diego, USA
10.40 - 11.20	Developmental and Epileptic Encephalopathies: Analysis of A Cohort of Children with Genotype/Phenotype Correlation Gabriella Di Rosa , University of Messina, Italy

Refreshments Break (11:20 - 11.45) @Banquet Pre Function Area

Oral Presentations

Chair	Madjidova.Y.N , Tashkent Pediatric Medical Institute, Uzbekistan
Co-Chair	Botir Daminov , Tash PMI, Uzbekistan
Sessions:	Migraine and Facial Pain, Neurological Disorders and Stroke, Pediatric Neurology and Epilepsy, Clinical Neurophysiology and Stroke, Brain Stimulation and Imaging, Molecular Neuroscience and Neurodegeneration
11.45 - 12.10	Potential Reversal of Alzheimer's Disease pathology by Antibody TB006 Targeting Galectin-3, a Major Cause of Oligomerization of Amyloid Proteins Suhail Rasool , True Binding Inc., USA
12.10 - 12.35	Synergistic Effect of Brain Stimulation with Constraint Induced Movement Therapy for Functional Neuroplasticity in Children with Hemiparetic Cerebral Palsy: A Randomized Control Trial Mufti Aliya , All India Institute of Medical Sciences, India
12.35 - 13.00	To Study the Effectiveness of a New Consensus on Improving the Biomechanics of the Ankle Joint In Patients After Stroke Madjidova.Y.N , Tashkent Pediatric Medical Institute, Uzbekistan

Lunch (13.00 - 14.00) @ All Day Dining Restaurant

14.00 - 14.25	Autism and its Treatment with Microcurrent Reflexotherapy Khusenova N.T , Tashkent Pediatric Medical Institute, Uzbekistan
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Poster Presentations

Poster Judge	Hossein Ansari , Kaizen Brain Center, University of California, San Diego, USA
Poster Judge	Suhail Rasool , True Binding Inc., USA
14.25 - 14.40	Unmasking Autoimmune Encephalitis: Hidden Threats to Brain Health Harjeet Kaur , Universidad Central del Caribe, Puerto Rico
14.40 - 14.55	Clinical Diagnostic Features of Parkinson's Disease Dementia Okhunova D.A , Tashkent Medical Academy, Uzbekistan
14.55 - 15.10	Vertebro-Basilar Insufficiency: Neurophysiological Features Aripova Feruza Mirzaxodjayevna , Republican Specialized Center for Surgical Angioneurology, Uzbekistan

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15.10 - 15.25	Post-Stroke Epilepsy: Management of Diagnosis and Introduction of Patients Sobirova Donokhon Saidaskarxanovna , 7th Clinical City Hospital, Uzbekistan
15.25 - 15.40	Short-Term Restriction of Hypertensive ISIAH Rats Leads to Activation of Hypothalamic Neurons and Increased Blood Pressure Levels Yulia V. Makovka , Siberian Branch of Russian Academy of Sciences, Russia
15.40 - 15.55	Characteristics of Pain Syndrome in Postherpetic Neuralgia of the Trigeminal Nerve with Comorbid Herpes Virus Infection Rasulova Raykhon Parдавna , Termez Branch of TMA, Uzbekistan
15.55 - 16.10	The Role of Immune-Inflammatory Biomarkers in 3-Months Outcome in Acute Ischemic Stroke Abdurakhmonova Kutlibika Bakhtiyorkizi , Tashkent Medical Academy, Uzbekistan
Networks & Refreshments (16:10 - 16:30)@ Banquet Pre Function Area	
16.30 - 16.45	Clinical Pathogenetic Features and The Differentiated Approaches to Treatment of the Arterial Hypertension Associated with Chronic Cerebrovascular Insufficiency Nargiza Makhkamova , Republican Specialized Centre of Cardiology, Uzbekistan
16.45 - 17.00	Assessment of Daytime Sleepiness in Patients with Epileptic Seizures During Sleep Kalandarova S.X , Tashkent Medical Academy, Uzbekistan
17.00 - 17.15	Fundamentals of Neurorehabilitation of Patients with Fine Motor Disorders and the Mobile Application "Stroke Assist" D.K. Rasulova , Tashkent Medical Academy, Uzbekistan
17.15 - 17.30	Delayed Speech Development in Children the Consequences of using Mobile Applications together with Medications in their Treatment Qosimova Zarrina Aslonovna , Tashkent Medical Academy, Uzbekistan
17.30 - 17.45	Clinical Course of Cavernous Sinus Thrombosis after COVID-19 Said-Ahmedova S.K , Tashkent Medical Academy, Uzbekistan
17.45 - 18.00	Clinical and Neurological Characteristics of Patients With Chronic Cerebral Ischemia Mirkhayotova N.A , Tashkent Medical Academy, Uzbekistan
18.00 - 18.15	The Effects of Anticonvulsants on Vitamin D Levels and Bone Metabolism in Women with Epilepsy Yusupova D.Y , Tashkent Medical Academy, Uzbekistan
18.15 - 18.30	The Significance of Dhea-S and Vegf Markers in Patients with Frailty Syndrome Yusupova D.Y , Tashkent Medical Academy, Uzbekistan

Day 2 Concludes

Panel Discussion - Awards & Closing Ceremony followed by Vote of Thanks

Virtual Presentations

7th International Conference on **Neurology and Brain Disorders**

Day 1 (November 08, 2023)

11.00 - 11.15 Introduction

Oral Presentations

11.15: 11.45 Dementia Application for Diagnosis & Tracking (DADT)
Soubhik, Manastik, India

11.45: 12.15 Cryptochlorogenic Alleviates the Jmjd3-Mediated Endothelial Cells Injury in Alzheimer's Disease
Fei Guo, Ningbo University, China

12.15 - 12.45 Endovascular Therapy for Acute Tandem Occlusions Due to Internal Carotid Artery Atherosclerotic
Li Wei, Hainan Medical University, China

12.45 - 13.15 Association Between Iron Deficiency Anaemia and Ischaemic Stroke
Preethy Manoj, Royal College of Surgeons in Ireland, Ireland

Lunch(13.15 - 13.45)

13.45 - 14.15 Radiolabeling FTY-720 with [99mTc]Tc: Assessing Biological Affinity for Neurodegenerative Diseases
Emre Uygur, Manisa Celal Bayar University, Turkey

14.15 - 14.45 Neurophysiological Grading Tool of Ulnar Nerve Entrapment Across Wrist and across Elbow with Case Presentation
Salim Hirani, Ysbyty Gwynedd Hospital, United Kingdom

14.45 - 15.15 Comparison of rhFGF18 and rhGDF11 Safety, Efficacy, and Mechanistic Activity in the Treatment of Ischemic Stroke
Alex Goraltchouk, Remedium Bio, USA

15.15 - 15.45 The Fractal Geometry of Alzheimer's Disease Toward Better Cognitive Assessment: Challenges and Steps Forward
Tahmineh Azizi, University of Wisconsin-Madison, USA

15.45 - 16.15 The Effect of Donepezil on Aphasia Post-Stroke: A Literature Review
Salman Elgharbawy, Southern illinois University, USA

Day 1 Concluded

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Day 2 (November 09, 2023)

11.00 - 11.15 Introduction

Oral Presentations

11.00 - 11.30 Neuropsychology of Addiction: The Role of Aging In Declining Executive Functioning Young Adult with Drug Addiction

Shameem Fatima, COMSATS University Islamabad, Pakistan

11.30 - 12.00 Genome Based Therapeutics: Era of Precision Medicine in Genetic Epilepsies and Epileptic Encephalopathies

Smilu Mohanlal, Aster Malabar Institute of Medical Sciences, India

Poster Presentations

12.00 - 12.15 Clinical and Genetic Characteristics of Patients with Ischemic Stroke, A Prospective Study of the Risks of Recurrent Strokes, Machine Learning

Anastasia S. Gunchenko, Pirogov Russian National Research Medical University, Russian Federation

12.15 - 12.30 Blood Hyperviscosity Syndrome Through Essential Polycythemia - Cause of Ischemic Stroke

Andrei-Lucian Zaharia, Dunarea de Jos University of Galati, Romania

12.30 - 12.45 Post-Stroke Epileptic Seizures

Ilxomova S.X, Tashkent Medical Academy, Uzbekistan

12.45 - 13.00 A Rare Presentation of Wound Botulism Neurotoxicity: A Case Report

Mai Elrayes, Northern Care Alliance NHS Trust, United Kingdom

13.00 - 13.15 EBV Evades Immune Surveillance in the Multiple Sclerosis Brain Through the PD-1/PDL1 Axis

B. Serafini, Istituto Superiore di Sanità, Italy

Supporting Organizations



**Tashkent Medical Academy
Uzbekistan**

Tashkent Medical Academy is one of the Central Asian's leading research and teaching university with Multidisciplinary Clinic



**Tashkent Pediatric Medical Institute
Uzbekistan**

Tashkent Pediatric Medical Institute was organized in 1972 and is the leading institute in the direction of education "Pediatrics". Over 46 years of its work, more than 29,500 highly qualified doctors have been trained

Day-2
Poster Presentations

CLINICAL DIAGNOSTIC FEATURES OF PARKINSON'S DISEASE DEMENTIA

Okhunova DA and Rakhimbaeva GS

Tashkent Medical academy, Uzbekistan

Abstract

Background: Parkinson's disease (PD) is one of the most common neurological diseases, which is very common in the elderly. According to population studies, dementia occurs in 20-40% of patients with PD and becomes the main cause of maladaptation of patients.

Objective: To increase the reliability of the development of dementia in patients with PD by a comparative assessment of PANDA, PD-CRS scales and level of dehydroepiandrosterone sulfate

Methods: We examined 80 patients with PD, who were divided into 30 patients depending on the presence or absence of cognitive impairment and dementia. As a control, we also examined on a voluntary basis 20 healthy persons recognized as such by a special commission

The diagnostic efficacy of neurosteroids has been established, including the level of DHEAS and cortisol in the blood serum of patients for early diagnosis of cognitive impairment and monitoring the effectiveness of therapy, identifying a risk group in PD. Cognitive status was analyzed using the MMSEs scale, FAB and MoCa to identify dementia.

Results: Test indicators of cognitive impairment revealed a distinct difference in digital values, characterized by low data on MMSE, FAB and MoCa in patients of the main group. Cortisol revealed a tendency to its increase in the blood in patients of the main group ($1053,9 \pm 39,1$), both in relation to the comparative ($616 \pm 16,5$) and control groups ($437,4 \pm 13,3$). The level of dehydroepiandrosterone sulfate progressively decreased, reaching its minimum value in patients of the main group ($2,4 \pm 0,4$). The comparative group ($6,3 \pm 0,7$) in this case occupied a borderline value. Two bipolar tendencies between hormones were identified in the form of a direct relationship with cortisol and an inverse relationship with dehydroepiandrosterone sulfate. However, the significance of these relationships with the scales was at different levels of significance. So, in the case of cortisol, the inverse correlation gradually increased depending on the level of approximation of the MMSE/FAB/MoCa scales. At the same time, the level of the hormone dehydroepiandrosterone sulfate did not change unequivocally.

Conclusion: The diagnostic efficacy of neurosteroids was established, including the level of dehydroepiandrosterone sulfate and cortisol in the blood serum of patients for the early diagnosis of cognitive impairment and monitoring the effectiveness of therapy, identifying a risk group in PD.

Biography

Okhunova D.A is a PhD student in Tashkent Medical Academy.