

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

7th International Conference on Neurology and Brain Disorders

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

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

Neurology and Brain Disorders

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THE SIGNIFICANCE OF DHEA-S AND VEGF MARKERS IN PATIENTS WITH FRAILTY SYNDROME

Yusupova DY Khodjaeva MF and Rakhimbaeva GS

Tashkent Medical Academy, Uzbekistan

Abstract

Background: Frailty syndrome is a common syndrome in the elderly associated with aging, comorbidities, disability, and poor cognitive outcomes, endocrine dysregulation, and immune dysfunction. In this regard, among many researchers there was a question about the relationship of hormonal dysfunction with aging. Levels of the adrenal hormone dehydroepiandrosterone sulfate (DHEA/S) have been found to decline steadily with age by 10% per decade after age 40. DHEA/S exhibit many biological activities in various tissues and organs. In particular, DHEAS are produced de novo in the brain, stimulate neuronal growth, neurogenesis and neuronal survival, and apoptosis. Along with antioxidant, anti-inflammatory and anti-glucocorticoid properties, a neuroprotective effect of DHEA/S has been hypothesized

Objectives: To study the characteristics of DHEA-S and VEGF in patients frailty syndrome and in elderly people without frailty and to conduct a correlation analysis of the above biomarkers.

Methods: Patients were recruited in the therapeutic departments of the TMA clinic from March 2022 to 2023. The parameters of DHEA-S and VEGF in blood serum were studied by ELISA analysis in 32 patients with frailty syndrome and 20 healthy elderly people without frailty. Blood samples were collected to measure the levels of DHEA-S, VEGF in all participants and then correlate them with each other.

Results: Interesting data were obtained, in all elderly people, vascular growth factor (VEGF) values were increased from these normal reference values, but in the frailty group, these values were lower compared to healthy controls. The level of DHEA-S also showed low values in individuals with frailty, in contrast to individuals without it. DHEA-S was significantly associated with VEGF scores when age, sex, and presence of frailty were controlled ($P < 0.01$). The level of DHEA-C significantly correlated with the VEGF index ($r = 0.489$, $P < 0.01$).

Conclusion: Our results confirm that serum levels of DHEA-C and VEGF may be a biomarker of cognitive dysfunction in frailty.