

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

7th International Conference on
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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-1
Oral Presentations

THE ROLE OF ADHESION MOLECULES AND NEUROINFLAMMATION IN THE PATHOGENESIS OF ISCHEMIC STROKE.

Rakhimbaeva Gulnora Sattarovna and Abdurakhmonova Kutlibika Bakhtiyor Kizi

Tashkent Medical Academy, Uzbekistan

Abstract

Background: Inflammation is known to worsen cerebral damage at the acute phase of stroke. In this setting, intracellular adhesion molecule-1(ICAM-1) and high sensitivity C-reactive protein (hs-CRP) which are elevated in atherosclerosis and cardiovascular diseases are important inflammatory markers in patients with acute ischemic stroke.

Aim: The purpose of the study was to assess the correlation between ICAM-1 and hs-CRP and the prognosis of acute ischemic stroke (AIS).

Materials and Methods: 86 patient were enrolled in this study. Fasting blood of all patients was collected within 24 hours of admission. Stroke severity was assessed by using National Institutes of Health Stroke Scale(NIHSS). The modified Rankin Score (mRS) was used to determine the clinical outcome 3 months after stroke. According to the outcomes, patients were divided into two groups: patient with good and poor outcomes. The good prognosis was mRS < 3, while poor prognosis was mRS ≥ 3.

Results: The levels of serum ICAM-1 in patients with AIS in the good prognosis group and the poor prognosis group were 122.4 ± 11.8 and 154.2 ± 12.8 pg/ml, respectively. When it comes to hs-CRP, its concentration were 1.9 [0.8–3.4] µg/ml in good outcome group, while 2.8 [1.2–9.9] µg/ml in poor outcome group. According to the logistic regression analyses, ICAM-1 and hs-CRP are independent predictors in patients with AIS ($p = 0,007$ and $p < 0.05$, respectively).

Conclusion: The serum ICAM-1 and hs-CRP concentrations in patients with AIS with poor prognosis were remarkably higher than that in the good prognosis patients. The baseline concentration of ICAM-1 and hs-CRP can predict the prognosis of AIS.

Biography

Rakhimbaeva Gulnora Sattarovna is a professor and head of neurology department at Tashkent Medical Academy. Moreover, She is a vice-president of International league against epilepsy (ILAE) Uzbekistan and member of European Academy of Neurology(EAN). She is an author of more than 400 articles and thesis. She has awarded "Excellence in Public Health of the Republic of Uzbekistan, 2015" and "The best doctor of the year, Uzbekistan 2018". Her main area of practical experience is cerebrovascular diseases and vascular dementia.