

Conference Report



2nd International Conference on Neuroscience and Neurology

17th and 18th July 2021

Organized by

International Association of Neuroscience

in associated with

BioLEAGUES Worldwide

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1. EVENT SUMMARY

Conference Name	: 2 nd International Conference on Neuroscience and Neurology
Date	: July 17-18, 2021
Conference Theme	: Important and Revolutionary Investigations in Neuroscience
Mode	: Virtual Conference
No of Delegates	: 156 Delegates registered for the conference

1.1 OVERVIEW

2nd International Conference on Neuroscience and Neurology held on the 17th and 18th July 2021, which was organized by BioLEAGUES Worldwide and International Association of Neuroscience.

Participating to this conference represents a way of inter-personal and inter-institutional communication based on research themes specific to the modern trends of the neuroscience, neurology, cerebrospinal complications, Neurophysiotherapy but also to the connection domains, having implications focused on the improvement of the qualitative level of the academic environment reflected in the direction of scientific research, neuroscience and its allied areas.

The conference represents an occasion of international interest that was addressed to the neuroscience, neurology, and its allied areas but also to the professionals from connection domains who, by their contributions may provide a multidisciplinary communication framework.

1.2 CONFERENCE THEME

The 2nd International Conference on Neuroscience and Neurology 2021 focuses on the theme **“Important & Revolutionary Investigations in Neuroscience”**. The evolution of the field of neuroscience has been propelled by the advent of novel technological capabilities, and the pace at which these capabilities are being developed has accelerated dramatically in the past decade. Neurology and Therapeutics is a unique forum to bring together worldwide distinguished academics in the field of neuroscience and neurology, Brain researchers, public health professionals, scientists, academic scientists, industry researchers, scholars to exchange state of the art research and technologies. Aim of this conference is to stimulate new ideas for treatment that will be beneficial across the spectrum of Brain disorders. The Global neurology market contributes to \$34.5 billion which includes major countries such as the US (74%), Europe (64%), Japan (8.3%), and UAE (7.8%).

2. ABOUT THE CONFERENCE

With an earnest objective of creating an international forum for academicians, researchers, neurologist and budding students, BioLEAGUES and International Association of Neuroscience enunciating **2nd International Conference on Neuroscience, and Neurology** which is slated on **July 17th – 18th, 2021**. The conference enlightens on the theme "Important

& Revolutionary Investigations in Neuroscience".2nd International Conference on Neuroscience and Neurology 2021 aims to interconnect the professionals from various parts of the world for an optimistic networking and collaboration and will provide you a wonderful forum to refresh your knowledge base and in exploration of Neuroscience, Neurology and Neurological Disorders.

Neuroscience 2021 will discuss about the perspective in various field of Neurology, Neuro immunology, Neuro oncology, pediatric neurology, Neurochemistry, Neurophysiology, What's new in future Neuro health care, Health education for Neuro patients, precision medicine in neural disorders, Clinical trials in neurology and more. It is a prestigious event organized with a motivation to provide an excellent international platform for the academicians, researchers, neurologists and budding students around the world to SHARE their research findings with the global experts.

3. CONFERENCE SCOPE

The main aim is to promote awareness of proper care of mental health, the risk associated with improper treatment along with its impact on mental health patients and develop the possibilities to cure neuropsychiatric disorder.

1. Advance understanding of nervous systems and their role in behavior
2. Promote education in the neurosciences
3. Inform the general public on results and implications of current research.
4. Stimulate new ideas for treatment that will be beneficial across the spectrum of Neurology.
5. Exchange new scientific approaches and advancements for development of new techniques applications and diagnostic techniques for global health.

2nd International Conference on Neuroscience and Neurology 2021 focusing on improving the lives of those living with neurological problems, nurturing careers of mental health scientists and practitioners and promoting the interdisciplinary nature of neurosurgery research, management and education.

4. INAUGURAL PROGRAMME

The day 1 of the conference started with welcoming all the participants, dignitaries and special guest for the conference followed by the proceedings book release and introduction of session chair for the technical sessions. And then opening speech, welcoming speech were conducted.

Post to that, our valuable eminent keynote speakers from various parts of the country given their speeches followed by the technical session. On Day 1, technical sessions segregated as three sessions. Multiple technical participants were presented on Day 1 and completed the day 1 conference successfully.

The day 2 of the conference started by welcoming all participants, dignitaries and special guests followed by the technical participants. On Session 1 and 2, multiple technical participants had presented their views based upon the theme of conference. Post completion, our honourable dignitary delivered the Valedictory speech followed by Vote of thanks. All

together the 2nd Neuroscience 2021 conference which was conducted on July 17-18, 2021 was arranged and completed successfully.

To make the conference delight and successful, our team has taken a huge effort and undergo several analyses on how best the conference can be arranged. A Market and geographical analysis were prepared prior to the conference.

4.1 WELCOMING AND OPENING CEREMONY

The respective opening speech and the Welcoming Speech was given by these dignitaries:



Mr. Rudra Bhanu Satpathy

Chief Executive Officer,
Technoarete Group.
India.



Dr. A. V. Srinivasan

Former President (IAN), Emeritus Professor,
Dr. M. G. R. Medical University,
India.

Keynote Speakers

Welcoming Keynote Speakers of the 2nd International Conference on Neuroscience and Neurology (2nd Neuroscience 2021).



Dr. A. V. Srinivasan

Former President -Indian Academy of Neurology, Emeritus Professor, The Tamil Nadu Dr. MGR Medical University, India



Dr. Ken Ware

Head of Research and Development, NeuroPhysics, Therapy Institute, Australia



Dr. Alok Sharma

Director and Neurosurgeon, NeuroGen Brain & Spine Institute, India



Dr. Surjeet Sahoo

Professor & HOD, Department of Psychiatry, IMS & Sum Hospital, India



Dr. Rajendra Prasad

Sr. Consultant Neurosurgeon & Spine Surgeon, Indraprastha Apollo Hospital, India



Dr. Pradyut Ranjan Bhuyan
Consultant Neurologist, AMRI Hospital, India



Dr. Sanat Kumar Bhuyan
Professor & HOD, Institute of Dental sciences SUM Hospital,
India



Dr. Gurneet Singh Sawhney
Senior Consultant Neuro and Spine Surgeon, Department of
Neurosurgery, Fortis Hospital, India



Dr. Vinay Agarwal
Chief Neurologist, Agarwal Neurology Clinic, India



Prof. W. S. El Masri
Clinical Professor of Spinal Injuries, Keele University,
Consultant Surgeon in Spinal injuries, UK

Session chairs



Dr. Surjeet Sahoo

Professor & HOD, Department of Psychiatry
IMS& Sum Hospital, India.



Dr. Srikanta Kumar Sahoo

Associate professor & HOD, Department of Neurology
IMS& Sum Hospital, India



Dr. Jeba Chitra

Dean & Professor, Department of Neuro Physiotherapy
Kaher Institute of Physiotherapy, India



Dr. Anjan R. Desai(PT)

Principal & HOD, Department of Physiotherapy, SPB Physiotherapy
College, India

4.3 KEYNOTE AND TUTORIAL SPEAKERS



Dr. A. V. Srinivasan

Former President (IAN), Emeritus Professor, Dr. M. G. R. Medical University, India

Biography:

Dr. A.V. Srinivasan is a Neurologist in Raja Annamalai Puram, Chennai and has an experience of 42 years in this field. Dr. A.V. Srinivasan practices at AVS Clinic in Raja Annamalai Puram, Chennai. He completed MBBS from Madras Medical College, Chennai in 1974, DM - Neurology from Madras Medical College, Chennai in 1984 and PhD - Neurology from The Tamil Nadu Dr. M.G.R. Medical University (TNMGRMU) in 2002. He is a member of American Academy Neurology and Indian Academy of Neurology. Some of the services provided by the doctor are: Intra - Arterial Thrombolysis, Nerve and Muscle Disorders, Spinal Disorders, Neuromuscular Disorders and Intravenous etc.

Keynote Speech about: A New Dopaminergic Hypothesis in Neuroleptic Malignant Syndrome



Dr. Ken Ware

Head of Research and Development,
NeuroPhysics Therapy Institute,
India

Biography:

Ken Ware was founder of Neurotricial Sciences Pvt Ltd and NeuroPhysics Therapy and Research and he had been in private practice for almost 30 years, while doing independent and collaborative research. He also presented unique research at 10 major International Science Conferences including neuroscience, Physics, Psychology and Life Sciences, which covers a very broad scientific audience.

Keynote Speech about: Features and Characteristics of the Central Nervous Systems Non-Linear Dynamics Relating to Tourette Syndrome (TS) Complex Tic Events, Leading to the Development of Effective Therapies to Enable Patient Control Over These Dynamics



Dr. Alok Sharma
Director and Neurosurgeon,
NeuroGen Brain & Spine Institute, India

Biography:

Dr. Alok Sharma is a renowned and respected Neurosurgeon, Neuroscientist and Professor across the world in medicine with an extensive surgical expertise & experience in the areas of Neurosurgery, Neuroscience and Stem cells. In 1995, Dr Alok Sharma held a place at the Karolinska hospital in Stockholm Sweden where neural transplantation was done for the first time ever in the world. In 1998, Dr Alok Sharma was placed at the University of Colorado health sciences center in Denver, USA where the world's first randomized trial for cell transplantation was done for Parkinson's disease.

Keynote Speech about: Stem Cell Therapy in Neurodevelopmental Disorders



Dr. Surjeet Sahoo
Professor & HOD,
Department of Psychiatry, I M S & Sum Hospital, India

Biography:

Dr. Surjeet Sahoo is working as a Professor & HOD in the department of Psychiatry at IMS & Sum Hospital in Bhubaneswar, India

Keynote Speech about: Management of Behavioural and Psychological symptoms of Dementia



Dr. Rajendra Prasad, FRCS, FRCS (SN)
Sr. Consultant Neurosurgeon & Spine Surgeon,
Indraprastha Apollo Hospital, India

Biography:

Dr. Rajendra Prasad has extensive experience in the field of Neurosurgery and Spine surgery. After graduation in 1978, he proceeded to the United Kingdom to be trained in Neurosurgery. After completing his FRCS, he trained as a Registrar in Neurosurgery at the National Hospital for Nervous Diseases, London and the Nottingham University Hospital. Senior Registrar training was at Frenchay Hospital, Bristol, UK. Subsequently Dr. Prasad did a Spine Fellowship at the Royal National Orthopedic Hospital, Stanmore, London. He has also obtained an FRCS in Neurosurgery and was put on the Specialist Register for Neurosurgery of the General Medical Council (U.K). He returned to India to join Indraprastha Apollo Hospital, New Delhi in August 1996.

Dr. Rajendra Prasad has been in the field of Neurosurgery for more than 35 years, (since 1979) and continuously after postgraduate since 1983. He has set up a reputation for himself particularly in the field of Spine surgery. He is the Hon. Medical Director of Indian Head Injury Foundation for which he conducts all the medical activities and educational programs.

Keynote Speech about: Lumbar facet and Sacro-iliac joint pain after lumbar surgery



Dr. Pradyut Ranjan Bhuyan
Consultant Neurologist,
AMRI Hospital, India

Biography:

DR. Pradyut Ranjan Bhuyan is a senior consultant in neurology attached to AMRI Hospital, Bhubaneswar. Dr. Bhuyan obtained his graduation[MBBS] and post graduation[MD] from prestigious SCB Medical college, Cuttak, Odisha[Utkal university] and than specialized in Neurology[DNB] from National Board, New Delhi. Dr. Bhuyan compliments his clinical work with research and has won several awards for his academics and research. He has vast experience in treating neurological disorder like stroke, epilepsy, headache, dementia, neuromuscular disorders, etc.

Keynote Speech about: Cefepime Induced Neurotoxicity: A Case Series



Dr. Sanat Kumar Bhuyan
Professor & HOD,
Institute of Dental sciences SUM Hospital, India

Biography:

Dr. Sanat Kumar Bhuyan is currently working as a Professor & HOD at Institute of Dental sciences SUM Hospital in India

Keynote Speech about: Orofacial Neuralgias -Recent Strategies of Management



Dr .Vinay Agarwal
Chief Neurologist,
Agarwal Neurology Clinic, India

Biography:

Dr .Vinay Agarwal is a practising neurologist in Agra for 14 years. He has done D M in neurology from SMS medical college Jaipur. Has publications in national and international journals. Presented various papers in national conferences. Has special interest in Neuro ophthalmology headache and epilepsy.

Keynote Speech about: Rare Clinical Associations of Pres



Dr. Gurneet Singh Sawhney
Senior Consultant Neuro and Spine Surgeon,
Department of Neurosurgery, Fortis Hospital, India

Biography:

Dr. Gurneet Singh Sawhney ranked among the Top Neurosurgeons in Mumbai by India Today Magazine September 2020 edition and awarded as the “Most Promising Neurosurgeon in Maharashtra – 2016” by Times Group for eminent work in rural India. After achieving 1st Position in MCh Neurosurgery University Examination, I worked as an Assistant Professor in my parent institute for 2 years. Thereafter, I worked as a consultant and head of neurosurgery department in a high-volume trust hospital, handling complex neurosurgical and spinal cases single handedly for 18 months. Owing to my key interest in Functional Neurosurgery, I attained fellowship in Functional and Epilepsy Surgery from 2 eminent universities in Japan. At present, I am working as a Senior Consultant Neurosurgeon in leading corporate hospital in Mumbai for the past 3 years.

Keynote Speech about: Movement Disorder Surgery – A Road Less Travelled



Prof. W. S. El Masri,
Clinical Professor of Spinal Injuries, Keele University,
Consultant Surgeon in Spinal injuries, UK

Biography:

Prof. W. S. El Masri is working as a Clinical Professor of Spinal Injuries at Keele University, and also Consultant Surgeon in Spinal injuries at UK

Keynote Speech about: Traumatic Spinal Cord Injuries Neuro-Functional Recovery with Active Physiological Conservative Management (APCM) of the injured spine and effects of cord damage

5. CONFERENCE CHAIR AND ORGANIZING COMMITTEE

CONFERENCE CHAIR



Dr. A. V. Srinivasan

Former President -Indian Academy of Neurology, Emeritus
Professor, The Tamil Nadu Dr. MGR Medical University,
India

ORGANIZING COMMITTEE MEMBERS



Dr. Birendra Kumar Bista

Chairman & Managing Director
Neuro Cardio & Multispeciality Hospital
Nepal



Dr. Meruna Bose

Faculty
Health Sciences
Gulf Medical University, UAE



Dr. Omar Jbarah

Founder and president of NeuroPedia. Net
Neurosurgery
Jordan



Dr. Salil Uppal

Director, Neurology
Uppal Neuro Hospital
India



Professor Stefane Kabene, PhD., PDS., CPsych

Head of Department, Social Sciences(Psychology)
Canadian University Dubai
Dubai



Dr. Anjan R. Desai (PT)

Principal & HOD, Physiotherapy
SPB Physiotherapy College
India



Dr. Deepthi R Faculty

Community Medicine
ESIC MC and PGIMS Rajajinagar
India



Dr. Erna Marina Kusuma
Child Psychologist
Vier Psychology Services
Indonesia



Dr. Gautam Anand
Head of Department, Psychiatry
Muzzafarnagar Medical College
India



Dr. Indranath Chatterjee
Professor
Computational Neuroscience
Tongmyong University
Republic of South Korea



Dr. Rasika Kaluskar (PT)
Associate Professor
Physiotherapy
Indutai College of Physiotherapy
India



Dr. Ashakiran S
Professor & Head, Biochemistry
Sapthagiri Institute of Medical Sciences and Research Centre,
India



Dr. Lt. Col. Padmaraj Meera
Director
Dayakiran Adoption Center
India



Dr. Man Mohita
Neuro Physical Therapist
SIA LIFE
India



Dr. Mythily S
Assistant Professor & Head, Biochemistry
Galgotias University
India



Dr. Rituraj Verma (PT)
Assistant Professor & Head, Neuro Physiotherapy
Galgotias University
India



Jeba Chitra
Dean & Professor, Physiotherapy
Kaher Institute of Physiotherapy
India



Lt. Col. Sandhya V Nair
Transplant Manager
Batra Hospital and Medical research centre
India



Dr. Selvameenakshi Tamilselvan
Clinical Embryologist
India



Dr. Shahanawaz Syed
Assistant Professor, Physical Therapy
University of Hali
Kingdom of Saudi Arabia



Dr. Surendra Wani
Professor & Head, Musculoskeletal Sciences
MGM Institute of Physiotherapy
India.



Dr. Tushar Palekar
Professor and Principal
Physiotherapy



Ghulam Md Ashraf
Associate Professor, Neuroscience
King AbdulAziz University
Saudi Arabia



Lic. Diego M. Herrera
Clinical Psychologist
Clinical Neuropsychology Teaching and Research
Argentina



Mrs. Yamini Sharma
Assistant Professor, NeuroPhysiotherapy
Galgotias University
India



Prof. Dr. Divya Vohora
Professor, Pharmacology
Jamia Hamdard
India



Prof. Seema Saini
Professor Physiotherapy
Dr. D.Y.Patil College of Physiotherapy
India



Dr. Brinda Merchant
Lead Physiotherapist Pediatrics and Neurorehabilitation
AquaCentric Therapy
India



Dr. Leepika Rani Patnaik
Lead Clinical Embryologist
PMN Speciality Clinic, Fem life fertility Foundation
India

6. SCIENTIFIC PROGRAM

Day	Session	Topic
Day 1	Parallel Session I	Behaviorial Neuroscience & Disorders
	Parallel Session II	Neuro Biochemistry, Treatment and Medicine
	Parallel Session III	Neurophysiotherapy
Day 2	Parallel Session I	Cerebrospinal complications
	Parallel Session II	Neurophysiotherapy

6.1 TECHNICAL SESSIONS

Technical Session I

A New approach of Biofeedback to Help Maintain Mental and Physical Health

Presentation by Dr. Tahseen Ara Azad

Comparing the Pain Tolerance Level of Introvert and Extrovert Using Pressure Algometry

Presentation by Karthikeyan Manoharan

Screening Sedentary Behaviour as a Modifiable Risk Factor for Functioning and Risk of Fractures During ongoing Pandemic

Presentation by Divya Rathore

A Study to Assess the Knowledge Regarding Role of Teachers in Promoting Healthy Behavior in School Children Among Primary School Teachers in Selected Primary Schools, Hyderabad, Telangana

Presentation by Valluri Lucy Kezia Kamala Kumari

RNA-Seq Analysis of Helicobacter pylori Infected Gastric Cells as a Potential Prediction Tool for onset of Alzheimer's Disease.

Presentation by Wethroe Kapfo

Quality of Life of Infertile Couples

Presentation by Prof. Ruba. A

Relationship Between Different Types of Intelligence and Effect of Music on Intelligence

Presentation by Mohita Singh

Correlation of Levels of Anxiety with Working Memory and Fatigue in Students Pursuing Healthcare Profession

Presentation by Liza Faldu

Body Mass Index, Physical Activity And Fear of Fall Among Community Dwelling Elderly Population in Urban Surat, Gujarat - A Pilot Study

Presentation by Dr. Salvi S. Shah

Is Post-COVID-19 Cognitive Impairment a Reality? A Review

Presentation by Anita Prem

Correlation of Internet Addiction with Cognition, Attention, and Quality of Sleep among Students

Presentation by Parth Doshi

Effects of Metacognitive Strategy Training on Recovery of Independence of Post Stroke Survivor

Presentation by Kshanaprava Mohakud

Correlation of Cognition with Walking and Manual Dexterity among the Elderly Population of South Gujarat: A Cross Sectional Study

Presentation by Dr. Khushboo Valodwala

Salivary Biomarkers for Alzheimer's Disease

Presentation by Dr. Swapna Amod Patankar

Effect of Movement Based Priming versus Imagery Based Priming Combined with Task Specific Training on Upper Limb Recovery in People with Stroke

Presentation by Damayanti Sethy

Role of Cognition in Chronic Low Back Pain: A Narrative Review

Presentation by Seema Saini

Parenting Stress, Resilience and Demographic Factors in Mothers Raising Children with Intellectual Disability

Presentation by Ms. Sweta Tirkey

Assessment of Risk Taking Behaviour, Leadership Effectiveness, Intelligence, ability to Handle Stress in College Going Students and Effect of Self-Control on Parameters

Presentation by Mohita Singh

Analysis of Neuro Marketing and its Techniques in the Digital Age – Systematic Literature Review

Presentation by Mrs. P. Niranjana

Introduction to Intraoperative Neuromonitoring in Spine surgery

Presentation by Nimesha Cheruku

Prion Disease and Oral Cavity – the Unknown Facts

Presentation by Dr. Swapna Amod Patankar

Technical Session II

Oxytocin Stimulates LH Release under Influences of Oestrogen and Testosterone in Female and Male Adult Mice

Presentation by Saja Radi

Role of Nutrition in Brain Health

Presentation by Dr. Mythily Subramanayaan

Management of heart beating brain dead organ donor

Presentation by Lt. Col. Sandhya V Nair

How to manage bipolar disorder in this Corona Virus Pandemic Era and Post Pandemic Era

Presentation by HashimYussif

Effect of Dual site Transcranial Direct Current Stimulation on Anxiety, Worry and Sleep in Generalised Anxiety Disorder-A Randomized Clinical Trial

Presentation By Divya Shanthi S

Prevalence of Balance, Fear of Fall and Mobility in Old Age Home Dwelling Adults in South Gujarat

Presentation by Garishma Baweja

Comparison of One time session with Intermittent session of sensory diet in Toddlers with SPD

Presentation by Dr. Heena Pranav Rathod

Impact of application of consumer Neuroscience on Subconscious Decision Making of Youth

Presentation by kshamata Sachin Lad

Enhancing Neuroplasticity with the NLP Communication Model: A Strategic Review

Presentation by Monalisa Mishra

Ataxia with Oculogyric Crisis Representing Early Paraneoplastic Manifestation

Presentation by Rajarshi Chakraborty.

Surgical Management of Macroprolactinomas: Indications and Outcomes

Presentation by Reman Ramesh Nair

Effect of Sensory Neural Hearing Impairment on Balance in Children - A Cross Sectional Observational Study

Presentation by Yesha Mevawala

Prevalence of Undiagnosed Sensory Processing Disorder in toddlers due to modern lifestyle

Presentation by Sanskruti Pramod Nakawala

Hand function in People with Type 1 and Type 2 Diabetes

Presentation by Surendra Wani

The Safety and Efficacy of Natalizumab for Relapsing-Remitting Multiple Sclerosis-Hera General Hospital Experience

Presentation by Aeshah Albaqami

A Case Report of Hellp Syndrome

Presentation by Keerthana G

Effect of Saraswata Churna on the Behavioural Changes in Pilocarpine Induced Rat Model of Epilepsy

Presentation by Pugazhandhi Bakthavatchalam

In vivo Cholinergic and antioxidant property of Cucurbita pepo (pumpkin seed) ethanolic extract in Aluminium chloride-induced Alzheimer's Disease in Sprague Dawley Rat model

Presentation by Vijetha Shenoy Belle

Spotting Signs and High Risk Factors of Autism in Early Childhood

Presentation by Anusha Rathod

Post-Mumps Extrapyrmidal Syndrome in a Young Child

Presentation by Rajarshi Chakraborty

Neuroprotective Effect of Saraswata Churna in Pilocarpine Induced Rat Model of Epilepsy

Presentation by Sudarshan S.

Technical Session III

Impact of Volunteering Activity in Social Work on Psychological well- being among Young Adults- an Explorative Study

Presentation By Aantarika Samanta

Vascular Risk Factors in Post-Stroke Depression in Young Adults: a Prospective Cohort Study

Presentation By Amina Babic

Differentiating Effectiveness between Ankle Brachial Pressure Index and Arterial Doppler using Peripheral Vascular Disease in Type 2 Diabetes Mellitus

Presentation By Jaya Sakthi

Prevalence of Psychosomatic Distress and its Association with Quality of Life Among Patients of Non-Specific Low Back Pain -in South Gujarat

Presentation By Dr. Neeti Mishra

Effect of High Voltage Pulsed Galvanic Stimulation for Constipation in Acute Stroke – A Randomized Clinical Trial

Presentation By Pooja Motar

Prevalence of Leptospira Serovars among the Icteric Patients in the Coastal Region of Karaikal

Presentation By Dr. M.J. Haja Abdul Nazeer

Impact of Shoulder Pain and Disability on the Quality of Life among Cerebrovascular Accident Patients of Surat, Gujarat

Presentation By Dr. Vivek Harsukhbhai Ramanand

Hematological Indices in Risk Stratification of Coronary Artery Disease

Presentation By Monalisa Biswas

Correlation of Functional Independence and Return to Work in Patients With Chronic Polyneuropathy

Presentation By Dr. Tanvi Banker

Efficacy of Intravenous Iron sucrose over Oral Iron Therapy for Anaemia in Pregnancy

Presentation By Dr. Ilakkiya M

Role of Ankle Brachial Pressure Index in Diagnosis of Peripheral Vascular Disease in Type 2 Diabetes Mellitus

Presentation By Jaya Sakthi

Granulomatous Lesion in Cerebral Tuberculoma - A Diagnostic Challenge

Presentation By Dr. Jay Mehta

Molecular Approaches in the Detection and Characterization of Leptospira sps Isolated from Icteric Patients in Coastal Region of karaikal

Presentation by Dr. M.J. Haja Abdul Nazeer

Technical Session IV

Postural Hypotension Among Patients with Neurological Disease and Disorders and its Relevance to Physiotherapy a scoping review

Presentation By Tarun Amalnerkar

Effectiveness of Action Observation Therapy to Improve Motor Performance and Functional Activities in Chronic Stroke Patients

Presentation By Mansi Prajapati

Immediate Effect of Uni-Nostril Breathing on Working Memory in Older Adults with Type 2 Diabetes Mellitus – An Experimental Study

Presentation By Sharfaa Momin

Evidence Based Physiotherapy Management of Chondromalacia Patella

Presentation By Prachi Patel

A Comparative Study of Muscle Energy Technique versus Static Stretching Along with Resistance Band on Correction of Rounded Shoulders in Smart Phone Users

Presentation By Pramod Palekar

To check Intra-Rater and Inter-Rater Reliability of Motor Function Measure -32 (mfm-32) in Chronic Stroke Patients.

Presentation By Khushbu V. Shah

Robotic Rehabilitation in Neurological Conditions: A Narrative Review

Presentation By Man Mohita, M Lakshmi Prasanna

Effect of Two Ended Slider Neurodynamic Technique on Pain and Disability in Patients with Cervical Radiculopathy – An Experimental Study

Presentation By Dr. Dharti N. Hingarajia

Effect of MRT on Writer's Cramp- A Randomized Controlled Trial

Presentation By Priya Mohite

Association of Lower Limb Muscle Strength Assessed by Motricity Index with Balance in Chronic Stroke Patients

Presentation By Suhanabanu E. Pathan

Compare Constraint-Induced Movement Therapy and Bobath to Improve Hand Functions in Hemiplegic Patients

Presentation By Sugasri Suresh Kumar

Comparative Effects of Spinal Extension, Core Stability Exercises and Alexander Technique in Management of Low Back Pain among IT Workers

Presentation By Ekita sharma

Effect of Bilateral Arm Training on Upper Extremity Function, Coordination and Activities of Daily Living in Parkinson's Disease

Presentation By Dr. Ifra Amin

Contextual Factors in Terms of Rehabilitation Services for Patients with Stroke: A Scoping Review Protocol

Presentation by Dr. Vandana Rathod

Comparative Study of Dry Needling vs Percussor in the Treatment of Myofascial Trigger Point in Levator Scapulae Muscle

Presentation by Dr. Tushar Palekar

Aqua Therapy in Neurological Conditions

Presentation by Man Mohita, M. Lakshmi Prasanna

Effectiveness of Muscle Energy Technique versus Positional Release Technique on Upper Trapezius Trigger Points in Subjects with Neck pain – Comparative Study

Presentation by Priyanshi K. Patel

High Intensity Exercises for Coronary Artery Bypass Graft Patients to increase high density lipoprotein levels – Using Reverse Cholesterol Transport Post-Operatively

Presentation by Bhavana Kumari

Effect of Cryocompression and Tissue Flossing on Hand Spasticity and Function – A Randomized Clinical Trial

Presentation by Kajal Shivalkar

A study to Compare the Immediate Effect of Various Modes of Stretching on Hamstring Flexibility in Normal Healthy College Students - A Comparative Interventional Study

Presentation by Dhruvi Kakadiya

Effectiveness of Structured Teaching Programme on Knowledge Regarding Deep Breathing and Coughing Exercises among Chronic Obstructive Pulmonary Disease Clients in Selected Hospitals, at Karimnagar, Telangana

Presentation by M. Veguna Rani

Effect of Reaction Ball Training on Cognitive Function in Type 2 Diabetic Population – A Pre Post Experimental Study

Presentation by Prachi Vijay Ghadi

Evaluation of BMI and Physical Activity Levels in Undergraduate Physiotherapy Students: A Cross-Sectional Study

Presentation by Prachi Shah

Effect of Quadriceps Angle on Static and Dynamic Balance in Young Adults: A Correlational Study

Presentation by Dr. Khyati Patole

Effect of Foam Rolling v/s Stretching on Quadriceps, Hamstring & it Band on Knee Passive Rom & Physical Function Scale in Patients With Patellofemoral Pain Syndrome (Randomised Controlled Trial)

Presentation by Jyoti Bhandari

Comparative Study of Immediate Effects of Intra Muscular Manual Therapy Vs Percutaneous Electrical Nerve Stimulation in the Treatment of Myofascial Trigger Point in Trapezius Muscle

Presentation by Soumik Basu

A Narrative Review on Falls in Elderly in Asia Region: Causative Factors, Assessment and Prevention Clients in Selected Hospitals, at Karimnagar, Telangana
Presentation by Dr. G. Palani Kumar

Study of Balance Training in Hemiplegics
Presentation by Dr. Neha Verma

Study to Compare the Effect of Perturbation Exercises versus Proprioception Exercises to Improve Balance with Chronic Stroke Patient
Presentation by Twinkle Rajendrakumar Jariwala

Constraint Induced Movement Therapy (CIMT)
Presentation by Pratiksha Lanke

Bionic Prosthetic Arm with Artificial Intelligence Enabled: It's Efficiency and Rehabilitation for Amputation Limb
Presentation by Nataraj .A

6.2 HIGHLIGHTS OF DAY 1 SESSION

2nd Neuroscience 2021 Conference consist of 4 sessions in which each session consists of around 20-30 presentations

Highlight of Session I

Session I of 2nd Neuroscience 2021 Conference consist of 21 presentations in which the presentation which attracted all is listed below

Author Name: Kshanaprava Mohakud

Title: Effects of Metacognitive Strategy Training on recovery of independence of post stroke survivor

Abstract:

Post stroke individual experience significant challenges with their functional health, despite advances in neurorehabilitation. Approximately 39% of post stroke survivor depends upon others in their basic ADL1 whereas more than 50% post stroke survivor depends in their instrumental ADL2. They can't participate in a meaningful daily life activity leading to disability³ in contrast to the concept of International Classification of Functioning (ICF) Model. The conventional occupational Therapy approach of Stroke rehabilitation only confined to improvement of the particular task trained to the individual with practice⁴. Mounting of evidence suggests that the novel Metacognitive Strategy Training is applied in the field of stroke rehabilitation for greater independence and reducing disability.

Objective: -The objective of this study was to estimate the effect of the Metacognitive Strategy Training (MCST) compared with conventional Occupational rehabilitation Therapy on improving independence and reducing disability of post stroke survivor.

Methods:30 subjects with stroke, attending dept. of occupational therapy, National Institute of Rehabilitation Training and Research, Odisha, India participated an exploratory, double-blind, randomized controlled trial with pre-post and follow up study. Subjects were randomized over two intervention groups. Group-1 received MCST with conventional therapy (n=15), and Group-2 conventional therapy only (n=15). The intervention session

scheduled for 6wks. The outcome measure was done with Functional Independence Measure (FIM) and The Lawton instrumental activities of daily living (IADL) measures independence at baseline (Time1), post intervention (Time2) and after 6 months (Time3). RESULT: MCST with conventional therapy showed greater improvement than Conventional Therapy in the score of FIM and LIADL at Time 2($p<0.011$, $p<0.02$) respectively. Similarly, after 6 months of follow-up at Time 3 the MCST with conventional therapy showed better improvement than conventional Therapy only ($p<0.005$)

CONCLUSION: MCST has greater efficacy in improving independence and reducing disability of post stroke survivor in long term.

Keywords: -stroke, rehabilitation, Metacognitive Strategy Training, independence, disability

Highlight of Session II

Name: Dr. Heena Pranav Rathod

Title: Comparison of One Time Session with Intermittent Session of Sensory Diet in Toddlers with SPD

Abstract:

The human sensory system is a highly complex system, which enables human beings to experience the world. It is through our senses that we receive sensory information from the environment and we need this information to survive, learn and to function smoothly. In other words, our brains receive sensory information from our bodies and surroundings, interpret these messages and organize our purposeful responses(1). This neurological process is known as Sensory Processing (2) and the ability to regulate the degree, intensity, and nature of a response to a sensory input is called Sensory Modulation, and it significantly impacts the way a child relates to the world. When the brain has trouble receiving and responding to this information that comes in through the senses, there is problem in sensory processing and it is termed as Sensory Processing Disorder(SPD)(3). Jean Ayres postulated that sensory integration dysfunction occurs when sensory neurons are not signaling or functioning efficiently, leading to deficits in development, and/or emotional regulation. In turn, it could influence the development of play, social participation, education, and self-care occupations. It also affects their behaviour, learning and the way they negotiate the world. If left unrecognized and untreated, children are often mislabeled, mismanaged, and misunderstood (3). Sensory Integration and sensory diet is used to help child with SPD. Sensory diet is a prescribed combination of activities & environment with sensory stimulation that meet an individual's sensory needs with the goal of maintaining a calm, alert state(4). It can be provided to child with SPD, by providing the activities according to child's need. This diet provides the right amount of sensory input for readjusting the neurological system and helps the child to function at his/her —optimal level. After participating in sensory diet activities, the child is more able to focus and handle the stresses of his/her everyday environmental situations. The child is usually happier and better prepared for learning after participation(4).Sensory diet is given according the child whole day schedule. But, due to busy life style parents may not be able to follow the whole day routine. So, if one time session of sensory diet for 45 min is plan, is there any effect seen? And is there any effect if sensory diet is provided in intermittent session for 15 min, 3 times a day? In our study we compared the effect of one time session of sensory diet and intermittent session of sensory diet in toddlers of Surat city.

Methods: Experimental study was done to compare effect of one time protocol of sensory diet and intermittent protocol.Toddlers of age 1.5 to 5 yr were selected who were having

sensory deficit in tactile, Proprioceptive and vestibular system. Toddlers who are diagnosed with Autism, ADHD, MR, Down Syndrome, Fracture, Cerebral Palsy were excluded. Convenient sampling was done and subjects were divided into two groups by cheat method. Group 1 was given One time Protocol of sensory diet (45 min a day) and group 2 was given intermittent protocol of sensory diet(15 min three times a day). Sample size was 19 in each group. Total 58 toddlers were selected to reduce the chance of drop out. Out of that 38 toddlers receive the treatment regularly by parents. The duration of study was 4 weeks. Follow up was taken twice a week. Data were collected before and after the study.

Result: Statistical analysis was done using SSP. Result shows that intermittent session shows significant difference than one time session of sensory diet.

6.3 HIGHLIGHTS OF DAY 2 SESSIONS

Highlight of Session III

Name: Pooja Motar

Title: Effect of High Voltage Pulsed Galvanic Stimulation for Constipation in Acute Stroke – A Randomized Clinical Trial

Abstract:

Background: Constipation is a common symptom among patients with Acute Stroke leading to increased morbidity and mortality. It is associated with increased length of hospital stay, poor neurological outcome and development of more complications. This can negatively affects the Physical, Social functioning and Quality of Life in patients with Acute Stroke

Aim: To assess the effect of High Voltage Pulsed Galvanic Stimulation and Conventional Physiotherapy Exercise for Constipation in patients with Acute Stroke.

Methods: The study included 28 individuals, 14 in each group with acute stroke and age >18 years. All the patients were recruited using Rome II criteria. The intervention included High Voltage Pulsed Galvanic Stimulation and Conventional Physiotherapy Exercises with Diet Modification for 30 minutes, 3 sessions per week over a period of 3 weeks. Patients were assessed at baseline and at the end of the intervention, using Patient Assessment of Constipation–Symptom Questionnaire and Patient Assessment of Constipation Quality of Life questionnaire.

Results: There was a statistically significant change in all the outcome measures in both groups with p value <0.0001, but Patient Assessment of Constipation–Symptom score showed more improvement in Group A with p value <0.05 when compared between two groups.

Conclusion: The study concluded that both High Voltage Pulsed Galvanic Stimulation and Conventional Physiotherapy Exercises were beneficial in the improvement of symptoms and Quality of Life in subjects with Constipation in Acute Stroke

Keywords: High Voltage Pulsed Galvanic Stimulation, Acute stroke, Constipation, Conventional Physiotherapy Exercises.

Highlight of Session IV

Name: Dr. Tushar Palekar

Title: Comparative Study of Dry Needling Vs Percussor in the Treatment of Myofascial Trigger Point in Levator Scapulae Muscle

Abstract:

The Levator scapulae muscle is meant as bodily property muscle and it's extremely vulnerable to overuse. Levator Scapulae muscle usually been unmarked. Trigger point leads compensation in muscular activities which ends in limitation of range of Motion. Myofascial pain syndrome is defined as sensory, motor and autonomic symptoms that are caused trigger points (MTrP). It is defined as a hyperirritable spot in skeletal muscle, which is associated with hypersensitive palpable nodule in a taut band. When compressed, an MTrP may give rise to characteristics referred pain, tenderness, motor dysfunction, and autonomic phenomenon. Trigger points may develop after an initial injury to muscle fibers. This injury may include a noticeable traumatic event or repetitive micro trauma to the muscle. The trigger point causes pain and stress in the muscle or muscle fibers. As the stress increases, the muscle becomes fatigued and more susceptible to activation of additional trigger points. Classification of trigger points could be done as Active and Latent trigger points.1Dry Needling (DN) is a technique used to treat dysfunction in skeletal muscle, fascia and connective tissue, and diminish peripheral nociceptive input, and reduce or restore impairments of body structure and function leading to improved activity and participation. Dry Needling is an ultra- form of Trigger point therapy, which could instantly, deactivates the trigger point. Dry Needling is indicated with restriction in Range of Motion due to contracture.2PercussorTherapy - The use of a powerful, electro- mechanical – soft-tissue manipulation tool such as the GK-3 Percussor provide the advantage to precisely control the frequency, duration, and amplitude of the stimulation and can be easily recovery tool in the sports fields, especially when using local vibration (LV) directly applied onto muscles. This leads to a more consistent quality of care on the part of the therapist and patients.3Experimental study was undertaken to add on to available treatment methods for myofascial Trigger points and to find out the effectiveness of dry needling and Percussor therapy for treating myofascial trigger point. In this study, 40 participants were recruited based on inclusion and exclusion criteria. Dry Needling and Percussor therapy was administered to them for a period of 3 weeks, 3 sessions per week. Pre and post assessment were taken using following outcome measures- Ultrasonography (USG), Pain Pressure Threshold, Numerical Pain Rating Scale (NPRS), Neck disability Index and was analyzed statistically. Result shows significant decrease in size of trigger point NPRS, Neck Disability Index and increase in Pain Pressure threshold in patients which is suggestive of decrease in pain and improve functional independency. Also, trigger point size was found to be significantly decreased amongst these participants. The outcome of USG, Pressure Algometer, NPRS and NDI were found to be effective with significant P value<0.000. It can be concluded statistically both Dry Needling and Percussor are competent enough to alleviate pain but clinically Dry Needling having better response in pain depletion and in increase in functional independency compared to Percussor.

6.4 MOST ENJOYED PRESENTATIONS

Name: Monalisa Mishra

Title: Enhancing Neuroplasticity with the NLP Communication Model: A Strategic Reviews

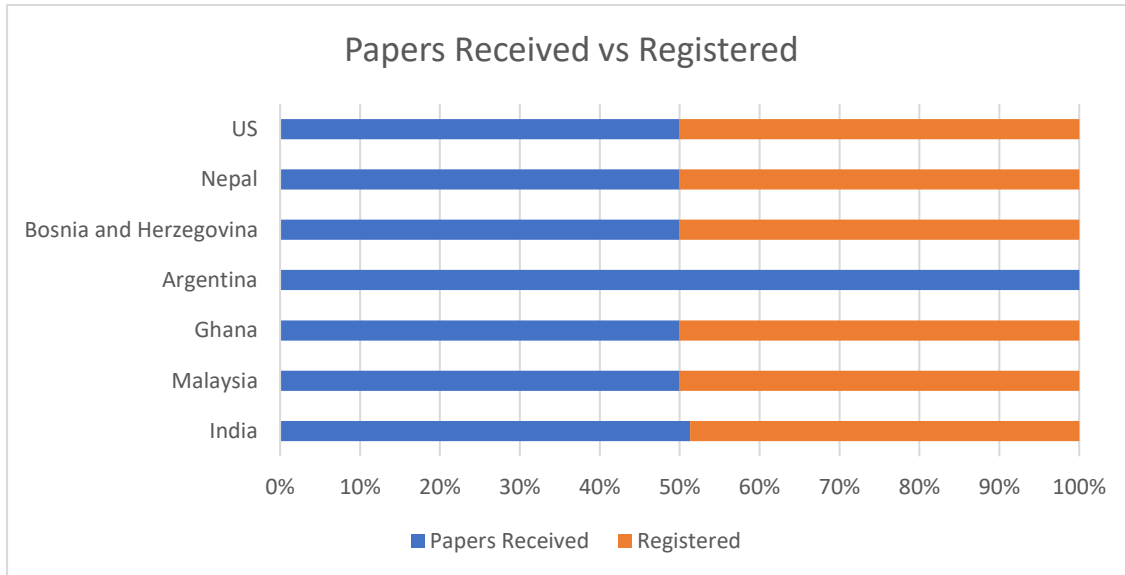
Abstract:

The recent studies on mental health sciences and NLP (Neuro linguistic programming) have brought about a significant paradigmatic attention not only for the mental health experts but also for the people across the globe who have the urge to restore, rewire and replenish their psychoneural existence. The fact that the external manifestations induce better and more improved functioning of neural pathways, neural commands can be undertaken with set patterns or specific measures and methodology that gear up the process of successful communication patterns that can be modelled and pursued by individuals. The turning point arises with the advent of the concept of neuroplasticity which also works on a similar plane of operations. Neuroplasticity is the term that refers to the organised and systematic rebooting and rewiring of neural pathways and designing a tensile strength of neurons and neurotransmitters that pave a way towards cognitive attributes, recognition of new neural pathways, modify the old version of perceptions (synaptic pruning, an internal nerve conditioning).With NLP,the neuro linguistic programming a term coined by Richard Bandler and John Grinder in the early 70's the phenomenon is quite innovative in a way that external and can be prompted and stroked positively with appropriate and conducive environment to generate excellence in various fields of personal and professional arenas.

The objective of the paper is to deliver the theoretical framework of functional nuances of both the domains and look for a synergistic blend for the mixed capacities therein internalizing the exterior stimulus or presuppositions (NLP) against the routing of the neural densities such as behavioural modifications, reasoning and resilience by providing some unique NLP techniques such as modelling, sleight of mouth, cause and effect, using sensory acuities, the Milton model to name a few. The blended exploration can regenerate widened possibilities of new techniques that can be applicable to novices and experts, hence leading to greater excellence pattern.

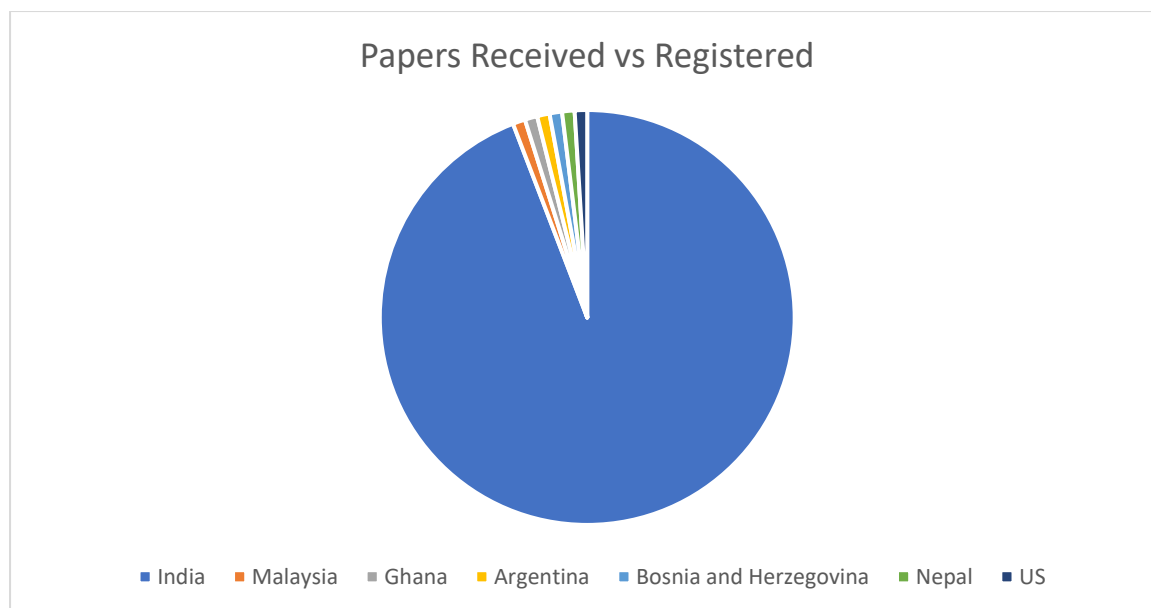
7. SURVEY ANALYSIS

Papers received based on the Country



Country	Received	Registered
India	97	92
Malaysia	1	1
Ghana	1	1
Argentina	1	0
Bosnia and Herzegovina	1	1
Nepal	1	1
US	1	1
Total	103	97

Papers Received vs Registered



8. VALEDICTORY

In the Valedictory best paper and best paper Presentation of 2nd International Conference on Neuroscience and Neurology was announced

Best Paper Award

Paper Title	Author Name
Enhancing Neuroplasticity with the NLP Communication Model: A Strategic Review	Monalisa Mishra

9. VOTE OF THANKS

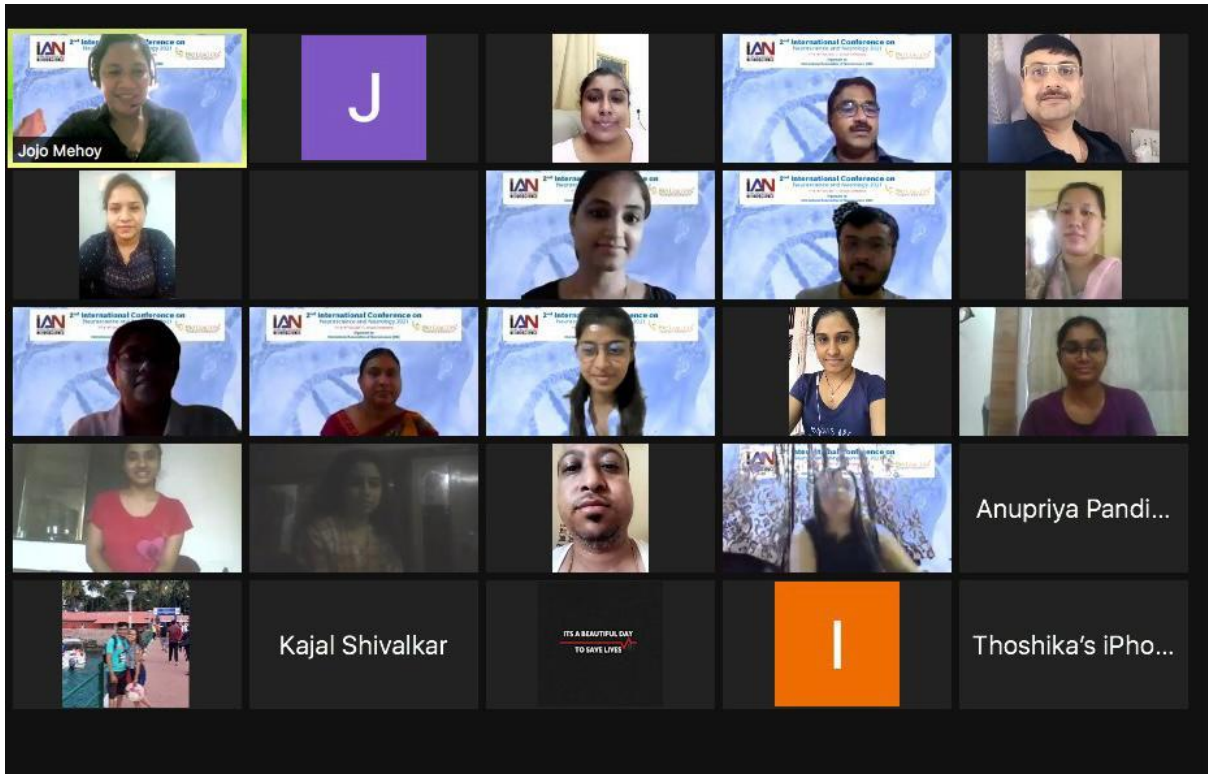
2nd International Conference on Neuroscience and Neurology which was held on July 17-18, 2021, organized by BioLEAGUES Worldwide and International Association of Neuroscience. The conference was organized with a focus on “Important and Revolutionary Investigations on Neuroscience” and it was a great success where eminent keynote speakers from various organizations addressed the gathering.

The generous response and active participation of the Organizing Committee Members and Editorial Board members of Neurologist, neurosurgeons we take the opportunity to thank all the speakers, delegates and participants for providing their valuable support and time for 2nd Neuroscience 2021.

Organizing Committee would like to thank the Moderator of the conference, and who contributed a lot for the smooth functioning of this event.

We congratulates the Best Paper, Best paper Presentation awardees for their outstanding performance in the field of Neuroscience, neurology, neurological disorders etc and appreciates all the participants who put their efforts in poster presentations & Young Researchers form and sincerely wishes them success in future endeavours. We would like to thank all session chair for their value judgment.

10. CONFERENCE GLIMPSES





11. CONCLUSION SUMMARY

2nd Neuroscience 2021 was a success event organized by BioLEAGUES Worldwide and International Association of Neuroscience in this amid the COVID19 with a collective effort from Academic partners, Organization committee members and all participants.

The “2nd International Conference on Neuroscience and Neuology” was a notable event which brings Academia, Researchers, doctors, Industry experts and Students together.

The purpose of this conference was to discuss applications and development in area of “Important and Revolutionary Investigations in Neuroscience”

At a practical level, the theme and aim of this conference provides valuable resource to assist aspiring people more proficient in leading and managing as well as the available resources as academic bureaucrat. Finally, the findings of this study could potentially serve as knowledge-avenue for college deans and directors, reasearch scholars, industry experts and students in choosing and to develop academic leaders’ competencies and skills in decision making.

OUR ASSOCIATES



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Conference Background

