

BCIPCON 2K22

BCIP organised BCIPCON 2K22, “Physiotherapeutic Approach to a Patient with Traumatic Brain Injury” a one of its kind E- Conference with ISBN Proceedings and Delhi Council of Physiotherapy and Occupational Therapy Accreditations with 7 credit hours, on Friday and Saturday, 15 and 16th April 2022.

Various renowned personalities from the field of physiotherapy across the nation graced the occasion. Esteemed speakers, who played a significant part in the creative process of development of whatever physiotherapeutic approach and management of TBI we know of today, came together on one platform to provide the students and professionals with an insight into the same.

The session began by welcoming all guests and delegates followed by playing of saraswati Vandana, Dr. Nidhi Kalra, Our Officiating incharge welcomed all guests, speakers and delegates and gave her opening remarks.. This was followed by Speech by Chief Guest Dr Patanjali Dev Nagar, **Public Health Expert, Member of WHO’s Global Technical Advisory Group for Assistive Technology,), at Manila, and as Medical Officer WHO Country Office Maldives, he give expert opinion over the severity , complications, prevalence, incidence and new managing approaches used in managing patient with TBI, lastly he praised the effort of BCIP family to organize Conference on such important and untouched topic**, who was very positive about the event and. This was followed by Speech by Guest of Honour, Dr VP Singh.

The session began by the 1st topic of Day 1 presented by the resource person , Dr. Pushpendra Nath Renjen, Senior Consultant Neurologist and Academic Advisor, Institute of Neurosciences, Apollo Hospital, Delhi. His topic was Traumatic Brain Injury and its Clinical Presentation. The moderator of the session was Dr. Mudasar Rashid, Associate Professor, Yenepoya Physiotherapy College.

This session followed by a talk on ‘ Role of Neurosurgery in Traumatic Brain Injury’ by Dr. Rajendra Prasad, Neurosurgeon, Indraparastha Apoolo Hospital, Delhi. The Moderator of the session was session Dr. V.S MEHTA, Neurosurgeon, Director, Paras Hospital, Gurugram. Dr. Rajendra eluded that the roles of a neurosurgeon are to control the intra-cranial pressure by eliminating the hematomas that are occupying space and raising the Intra-cranial pressure, followed by decompression, Intracranial pressure monitoring along with a check on swelling and edema, associated cranio-facial surgeries, and surgeries for delayed complications of TBI. He summarized with stating some additional conditions such as Aspiration, infection and spastic bladder which can be dealt with by collective efforts by the multidisciplinary team.

Our Next session’s topic was ‘Assessment and Goal Planning of Traumatic Brain Injury patient by Dr. Manit Dixit (PT), Principal, Pacific College of Medical Sciences, Gorakhpur, UP. This session moderated by Dr. Chaitali Shah (PT), Associate Professor, Parul Institute of physiotherapy, Parul University, Gujarat. Dr. Manit Dixit (PT), He explain about the detail assessment and goal planning for TBI patients, he specifically mentioned about two types of posture seen in TBI patients i.e. Decorticate Or Decerebrate and also mentioned locked in syndrome, Then he categorized assessment and rehabilitation into, Severe to moderate TBI in early stage, Severe to moderate TBI in active stage and Mild TBI.

This was followed by the , Dr.Partha Sarathi Kommineni (PT),Chief of Neuro Rehabilitation, Ramaiah Memorial Hospital. His topic was ICU management of TBI patients from Physiotherapist Lens. The moderator of the session was Dr. T Karthikeyan (PT),Researcher Cum Clinician –Educator,NIMHANS, DrParthaSarathi began the session by talking of all types of TBI and its clinical implications in younger and older population. DrKomineni shared his years of clinical experience and gave us a real picture of a patient with TBI from a physiotherapist’s lens. Sir rightly said that a patient with TBI would present a wide spectrum of symptoms including the orthopedic system, cardiorespiratory system etc., that has actually lead to the TBI. The moderator of the session was Dr. T Karthikeyan (PT) and did a great job of summarizing the session

Dr. Tarun Lala (PT), HOD, Physiotherapy Department, Max Super Speciality Hospital, Saket and BLK-max , Delhi. His topic was Robotic rehabilitation in TBI patient. The moderator of the session was Dr. Sumit Asthana(PT), Principal and HOD, physiotherapy department, Era Medical University, Lucknow. He emphasized upon the various aspects of the two conditions such as cognitive, behavioural and speed etc. aspects of disability and educational, vocational, social and interpersonal aspects of handicap. Additionally, he also enlisted the impact of these problems on the scale of nation, organisation, physician, therapist, patient and caregiver wherein he described the ramifications these conditions entail. Then he gradually took the discussions from conventional rehabilitation to rehabilitation engineering (assistive technology centre). Then he moved on to the central part of the session that is robotics, wherein he classified the functional robots for upper and lower limbs. For hand rehabilitation he classified the types of robots into two categories, namely hardware systems and training paradigms. The various examples of robots along with their images were various arm robots and hand robots. For lower limb BWSTT robot device was mentioned. Concluding the talk, Dr. Tarun emphasized upon the importance of standard tests such as Berg Balance Scale, Modified Barthel Index, the ADL scale and Functional Independence Measurement.

Our next session topic ‘Managing cognitive and perceptual problems in TBI’, Dr. Anvesh Pradhan(PT), Associate Professor, Nopany Institute of Healthcare Studies, Kolkata. The moderator of the session was Dr. Jul Dave (PT), Professor, Terna physiotherapy College, Navi Mumbai. Dr. Anvesh began by explaining and classifying the cognitive and perceptual conditions that occur in patients with TBI. Later he went on explaining the various aspects of their management such as Remedial and Compensatory approaches. Beginning from Attention deficits he mentioned four categories namely sustained, alternating, focused and divided, he explained both the approaches. Moving on he went on presenting Memory impairments, classifying them in terms of short term, long term and immediate forms, and emphasized upon task oriented methods of management followed by remedial and compensatory approaches such as checklists and making Activities of Daily Living routines. He majorly emphasized upon the gradual, customized and Activities of Daily Living centric approaches wherein he told the importance of helping patients in habit cultivation of their chores, strategizing goals and charting out their routines for optimization of quality of life. He also stated that training of the caretaker is as cardinal as training of patient when it comes to long term goal setting and achieving.

Dr. Harsh M Rajdeep (PT), In Charge, Physiotherapy Department, MBS Hospital, Govt College, Kota, Rajasthan, His topic was Crucial Psychotherapeutic Strategies for Rehab of TBI Patients : An Abridgement. The moderator of the session was Dr.Shabnam Joshi, Associate Professor, Department of Physiotherapy, Guru Jambheshwar University Sir shared his great knowledge on importance of

psychotherapy in rehabilitation planning. Sir told about various Psychotherapeutic techniques like Cognitive behavior therapy (CBT) in which he focused on cognitive rehabilitation and restructure. He explained about ABODES(Assess situation , Break task into step , order in sequence , Decide the sequence, establish time , survey work) . He suggested everyone to apply all these approaches in daily treatment protocols because according to him CBT is the best remedial as well as compensatory approach for person who has negative frame work. He also talked about Supportive psychotherapy and said it encourages and provide guidance to the person who is suffering from TBI. Sir said one should always encourage such patients , motivate them so that they can live neat normal life.

Dr. Dhara Sharma (PT), Principal, Khayati College of Physiotherapy, Gujrat, her topic of talk was 'Physiotherapy For Neurogenic Bladder. The Moderator of this session was by Dr. V. Rajlaxmi (PT), Vice Principal, Professor, Dr. MGR educational and Research Institute, Chennai. In this session, a great attention was given to assessment and rehab of neurogenic bladder in TBI patient. Ma'am also very well explained about the physiology and pathophysiology of neurogenic bladder. Urinary symptoms are often undiagnosed and untreated, it is within the scope of physiotherapist to treat and diagnose hence improving QOL and interaction within society. In physiology part ma'am explained about how functions of bladder is controlled by higher centres like cortex and pons. Cortex send inhibitory signals to the bladder whereas pons act as coordinator among sympathetic and parasympathetic system.

Dr.Gaurish Kenkare(PT), Neurophysiotherapist, Lilavati Hospital and Breach candy Hospital, Mumbai, his topic of talk was Role of assistive devices in TBI rehabilitation. The Moderator of session was Dr. Garav J Patel (PT), Principal In charge, Ahemdabad Physiotherapy college, Gujarat. He began by defining the assistive aids and classifying them. He enlisted them as Communicative aids, environmental aids, computer access aids, hearing/listening aids, mobility/transport aids and Daily living Aids. Apart from these he also mentioned the mechanical contraptions such as prosthetics, orthotics, seating and positioning aids. Recreational and leisure aids such as sports aids, toys games and travel aids are also there for achieving maximum mobility.

Next Dr.Snehal Patel (PT),Senior Chief Physiotherapist,Midway Home, Gorai. Her topic was Wheelchair Transfer and Skills. The moderator of the session was Dr.Prof.Gladson Jose, Principle, MV Shetty College, Mangalore. Dr.Snehal elucidated the concept of Levers including its type , applications in wheelchair transfer training , how levers works out of which she told that 3rd order lever is the most common lever that is used during transfer . Mam enlightened her knowledge on Bed to wheelchair transfer pelvis first , Bed to wheelchair lower limb first , transfer from sideways , Reverse backward transfer with board or pillows , wheel chair to floor stool concept , Bed to floor transfer, wheel chair to car transfer , bike transfer, how to pick any object from fall . Here mam mentioned a very important point that a therapist should always teach the transfers which help patients in his daily activities .Also Dr Snehal provided knowledge about the muscles which should be strong to learn wheel chair transfer skills . Mam provided a basic concept of transfer skills.

Our Last Speaker was Dr. Vidhi Singh, Speech Language Therapist, Max Hospital, Saket, Delhi, her topic was Managing Dysphagia and Dysarthria in TBI Patients. The Moderator of session was Dr. Anisha Sinha (PT), Lecturer, Speech and Hearing, Ali Yavar Jung University. Dr Vidhi initiated her monologue with laying down the basics in the form of new anatomical relevance of the eminent topics. She explained the detailed analysis of signs and symptoms, she moved on to treatment part

where enlisted behavioural, medical and prosthetic aspect and approaches. Management of dysarthria in TBI was elucidated using medical and prosthetic intervention.

Treatment goal have to be set as for treating issues like velopharyngeal incompetency, laryngeal augmentation and pharmacological Management to relieve symptoms. Post that the multifactorial of dysphagia along with other important classifications and phase wise analysis was laid out for the audience for a complete knowledge of the subject. She also laid emphasized upon biofeedback technique, oral motor exercises and other exercises program. Before concluding her insightful presentation, she also touched upon the importance of oral hygiene.

Scientific session were conducted on 14th April 2022, in scientific session were divided in two parts – senior paper presentation and Junior paper presentation. Students and Professionals were given a platform to present their work and earn not only recognition but also exciting prizes.

The first prize for senior scientific research paper presentation was bagged by, Dr. Apoorva Srivastava, Phd Scholar from Chhatarpati Sahu ji Maharaj University, Kanpur, and second prize was taken by Dr. Vandana Rani, Asst Prof, Guru Jambheshwar University of Science and Technology, Hisar.

The First Prize for best Junior scientific research paper was given to Mr. Akhil S, From Bathany Navajeevan College of Physiotherapy, kerala, and the second prize was taken by Ms. Payal J. Gajjar, From Ahmedabad physiotherapy College, Gujurat.


BCIPCON 2K22 was not just a great platform of learning and imparting knowledge but was also a platform where students and professionals alike were given an opportunity to present themselves. It is fair to conclude that the conference was a great success. A lot of people have contributed in different ways to turn this event into a smoothly running meeting with many interesting presentations and a very good atmosphere for discussion and networking.



Recording...

EDUCATION

- Bachelor's in Physiotherapy : Chaudhary Charan Singh University
- Master's in Physiotherapy (Advanced Physiotherapy) : Coventry University, England.
- Diploma in Physiotherapy : Coventry University, England.



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Mohd Asif

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BANARSIDAS CHANDIWALA INSTITUTE OF PHYSIOTHERAPY

Dr. Partha Sarathi Kommineni (PT)

Chief Of Neuro Rehabilitation
Ramaiah Memorial Hospital
Bangalore



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Partha Kommineni

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Lalli Singh (PT)

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SPECIALTY INTERESTS

- Evidence based Practice in Stroke ,Head Injury, Spinal Rehabilitation
- Assistive Technology in Rehab
- Back/Neck Pain Management




16

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Avi Choudhary

Dr Tarun Lala

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Mohd Asif

Dr. Sumit Asthana, ASSIS...

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Lalli Singh (PT)

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BANARSIDAS CHANDIWALA INSTITUTE OF PHYSIOTHERAPY



Dr. Shabnam Joshi (PT)
Associate Professor & Chairperson
at Guru Jambheshwar University of Science & Technology, Hisar & life member of the Indian Association of Physiotherapists



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Lalli Singh (PT)

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Avi Choudhary

BANARSIDAS CHANDIWALA INSTITUTE OF PHYSIOTHERAPY



Dr. Harsh M Rajdeep (PT)
Principal Incharge at Maharao Bhimsingh Hospital of Medical College, Kota (Raj) & Chairperson, Central Zone of IAP Grievances Redressal Committee.



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Lalli Singh (PT)

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