DR. BAIJNATH ROY
MOT (Neurosciences), PhD (Neurology, AIIMS, Delhi)

Academic Profile:

PhD (Neurology), AIIMS New, Delhi
MOT (Neurosciences), TNMC & BYL, Nair, Hospital, Mumbai
BOT, BCPO, PMCH Campus, Patna

RESEARCH INTERESTS:

- Neurosciences
- Neurorehabilitation
- Stroke rehabilitation
- Non invasive brain stimulation
- Gait training and analysis
- Perceptual and cognitive training
- Hand function coordination and prehension
- ADL training

RESEARCH EXPERIENCE:

Doctoral Research:

August 2014 – July 2021
Effect of Dual-Task Exercise in Conjunction with Fluoxetine & Transcranial Direct Current Stimulation (tDCS) on Postural Stability and Gait in Stroke Patients.
Faculty Advisor: Prof. M. V. Padma Srivastava, DM,
Professor & Head, Department of Neurology,
Chief Neurosciences Centre, AIIMS, New Delhi

Postgraduate Research:

July 2003 – June 2005
A comparative study of two treatment activities on upper limb functional motor co-ordination in adults with Cerebellar Dysfunction.
Faculty Advisor: Prof. Odette Gomes, Department of Occupational Therapy, Topiwala National Medical College & BYL Nair Hospital (TNMC), Mumbai, India

Teaching, Clinical, and Research Experience:

Assistant Professor-III
October 2020 – Present
Amity Institute of Occupational Therapy (AIOT)
AUUP, NOIDA

Scientist- B
Department of Neurology, AIIMS, New Delhi

February 2017 – June 2020
Working on Noninvasive Brain Stimulation and Dual Task Training for motor recovery in stroke patients.

Publications

International Publications:

- BaijnathRoy, Rohit Bhatia, Nand Kumar, Sanjay Wadhawa, M.V. Padma Srivastava. Effect of combination therapy with drug, device, and exercise for improving post stroke gait: A Randomised Controlled Trial. IBRO Reports, Volume 6, Supplement, September 2019, Page S375
- Baijnath Roy, Prof. Vasantha Padma Shrivastava , Prof. Rohit Bhatia , Prof. Nand Kumar , Prof. Sanjay Wadhwa. Effect of Dual-Task Exercise in Conjunction with Fluoxetine & Transcranial Direct Current Stimulation on Postural Stability and Gait in Stroke Patients. Neurorehabilitation and Neural Repair 2018, Vol. 32(4-5) 317–362
- Arpana Singh, and Baijnath Roy. Data mining techniques for stroke: A systematic review. World Review of Entrepreneurship Management and Sustainable Development14(6):737 · January 2018

National Publications:

- Baijnath Roy. A comparative study of two treatment activities on upper limb functional motor co-ordination in adults with Cerebellar Dysfunction. Annals of Neurosciences, 2009
- Kumar R, Roy B. The Effect of Bobath Concept & conventional therapy on the functional re-education in patients with hemiplegia following PCA stroke. Annals of Neurosciences, 2009

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