



Post Graduate Diploma in Clinical Neuropsychology

Programme Structure (Session 2022-23)

The PG Diploma in Clinical Neuropsychology course will have a strong scientist practitioner ethos where candidates will refine their skills in understanding and applying the scientific evidence base to their practice. It is intended that candidates completing the course will have a firm contemporary knowledge of Clinical Neuropsychology practice as well as the skills to maintain this high level of knowledge throughout their careers. In designing the course, we aim to be academically robust, contemporary and clinically relevant. We aim to train candidates who are knowledgeable, scientist-practitioners, confident and capable in assessment and rehabilitation / treatment within neuropsychology, who use evidence-based tools, techniques and approaches, and are able to continue to learn and develop throughout their careers in Clinical Neuropsychology.

Duration: 1 year

120 credits

Eligibility: UG/PG in Medical, Healthcare, Life Sciences, Behavioural Sciences

COURSE CONTENT

1. Applied Neuropsychology (10 Credits)

- Neuroanatomy and Neuropathology
- Neuropsychology of movement disorders (Parkinson's disease, Huntington's)
- Disease and Multiple Sclerosis
- Neuropsychology of Dementia, Alzheimer, Multi-infract/vascular and
- Frontotemporal
- Principles of neurology and the neuropsychology of stroke
- Chronic severe conditions, PVS, minimally conscious state
- Neurosurgical Management of TBI
- Neuropsychology of MS & Neuropsychology of mTBI
- Neuropsychology of severe TBI
- Neuropsychology of Epilepsy
- Neuropsychology of functional surgery interventions in chronic condition

2. Functional Neuroanatomy and Neuroscience Methods (10 Credits)

- Introduction to the unit and overview: history of neuropsychology, localisation versus networking, development of different techniques
- A brain tour: neuroanatomy and functional neuroanatomy
- Brain damage – what can brain lesions tell us about cognition
- Assessment of neurological deficits with psychophysical methods
- fMRI and related technologies
- Positron Emission Tomography (PET) and related methods
- Electroencephalography (EEG) and related technologies
- Principles of psychopharmacology
- Summary, short presentations and topic-led discussions

3. Theoretical Neuropsychology (10 Credits)

- Introduction to the unit
- Sleep and wakefulness
- Normal and abnormal ageing
- Visual agnosia
- Unilateral neglect
- Disturbances of consciousness and alertness
- Emotion
- Reward Circuits
- Theories of consciousness - part 1
- Theories of consciousness - part 2

4. Health Illness and Disability (20 Credits)

- Psychological adjustment and treatment of psychological disorders / psychiatric illness in people with neurological disease.
- Abnormal and unhelpful illness behaviours.
- Assessment of effort and symptom exaggeration and the diagnosis of factitious disorder and malingering.
- Introduction to the neuropsychology of functional surgery intervention in chronic neurological conditions, using PD surgery as an example.
- Prognosis and rehabilitation in neurological disease and the changing needs of patients with chronic neurological disease.
- Living with and managing degenerative conditions, e.g. dementias, MS.
- Chronic severe conditions, PVS, Minimally Conscious State, end stage conditions.
- Systemic issues in chronic neurological illness.
- Mental Capacity and the Law relevant to long term neurological conditions.
- Legal, ethical and moral issues

5. Development and Rehabilitation (20 Credits)

- Neuroanatomy and Neuropathology
- Neuropsychology of movement disorders (Parkinson's disease, Huntington's Disease and Multiple Sclerosis)
- Neuropsychology of Dementia, Alzheimer, Multi-infract/vascular and Frontotemporal
- Principles of neurology and the neuropsychology of stroke
- Chronic severe conditions, PVS, minimally conscious state
- Neurosurgical Management of TBI
- Neuropsychology of severe TBI
- Neuropsychology of Epilepsy
- Neuropsychology of functional surgery interventions in chronic condition

6. Assessment in Clinical Neuropsychology (20 Credits)

- Models of cognitive function and dysfunction
- Psychometric approaches to assessment and diagnosis, part 1
- Psychometric approaches to assessment and diagnosis, part 2
- Assessment, localization and neuropsychological theory
- Assessment and ecological validity
- Screening methods, psychometrics and contemporary neuropsychological tests

- Contemporary cognitive tests, a practical guide and demonstration
- Clinical neuropsychology report writing and case examples
- Medico-legal report writing
- Legal, ethical and moral issues in clinical neuropsychology practice

7. Evidence-based Neuropsychology (15 Credits)

- Case discussions, Case Study, Research Presentations

8. Clinical Neuropsychology in Practice (Placement) (15 Credits)

Fee for Indian Students: Rs 70000/- (Complete course)

Fee for International Students: USD 1000