

HOSPITAL PROFILE



INSTITUTE OF NEUROSCIENCES KOLKATA – A BRIEF OVERVIEW

I-NK is a state-of-the-art centrally air-conditioned 160 bedded hospital with the objective to create a platform for a dedicated, affordable and yet highly skilled care in Neurology, Neurosurgery, Neuro-psychiatry and Neuro-rehabilitation.

I-NK is a public private partnership of Neurosciences foundation, Bengal, Kolkata Municipal Corporation and Government of West Bengal and is twinned with the Regional Neurosciences Centre, New Castle upon Tyne, UK.

I-NK aspires to be the pride of Eastern India in being a centre of excellence in Neurosciences through its guiding philosophy of accumulating international expertise for common man, dedicated team of full-time specialists of repute, affordability and finally a caring environment. Its cutting-edge infrastructural facilities and world renowned doctors have made it the leader in treating neurological complications in Eastern India. Conveniently located at the intersection of Park Street and AJC Bose Road, the Institute is ready round-the-clock to help patients get relief from the moment they are admitted. . It is a **not for profit** enterprise, with a mission “**To Serve is to Worship**”.

Prof. (Dr) R.P. Sengupta, an eminent neurosurgeon of the millennium practicing in the U.K. since 1961, is the founder of the Institute. He is the recipient of the Highest Honor of the University of Newcastle, Doctorate of Medicine (Honoris Causa) for his significant contribution in Neurosciences in Kolkata, India. He has been awarded with the prestigious “Officer of the British Empire” by the Queen of England in 2017.

OUR VISION

To be “a leading national not-for-profit provider of Neurosciences service, education and research”

OUR MISSION & VALUES

- Putting patients first and providing care of the highest standard focusing on safety and quality
- Being committed to providing neurosciences care for the people of Kolkata, as well as specialist services nationally
- Remaining nationally and internationally renowned for our leading edge Research and clinical service
- Endeavour to care for the underprivileged without compromising the treatment and basic needs as well as the rich with additional comfort.
- High personal and professional standards in all activities
- To focus upon continuous improvement in the pursuit of excellence

DEPARTMENTS OF THE HOSPITAL:

Neurosurgery:

- Precision microsurgical procedures to treat intracranial aneurysm, arterio-venous malformation, deep seated tumors of the brain and spinal cord, extracranial-intracranial bypass for stroke prevention.
- Endoscopic surgery for third ventriculostomy and intraventricular tumors. Endoscopic brain and spine surgery adds minimally invasive nature of difficult operations.
- Surgery for intractable epilepsy and movement disorders
- Deep brain stimulation for Parkinson's disease and intractable pain.
- Pediatric Neurosurgery
- Trauma centre for head and spine injuries
- Complicated spine surgery
- Endovascular treatment for aneurysm, AVM (cerebral/spinal), thrombolysis of cerebral arteries.
- State-of-the-art treatment for traumatic brain injuries.
- Stereotactic biopsy of deep seated lesions in the brain.
- Complex spinal surgery for trauma, degenerative disorders and spinal tumors.

Neuroanesthesia:

The Dept. of Neuro-anesthesia provides peri-operative care to all the surgical patients including interventional care both to neurological and neurosurgical patients. The pain clinic is also run by the Dept. of Neuro-anesthesia, which includes interventional pain management for acute and chronic pain.

Neuromedicine:

- Comprehensive neurological care of all diseases
- Treatment of all types of movement disorders including DBS for Parkinson's disease and Botox therapy
- Comprehensive treatment of Epilepsy including "difficult to treat Epilepsy" with Video Telemetry and Epilepsy Surgery
- Treatment of sleep disorders and its detection with Polysomnography.
- Tropical diseases of the nervous system viz. Tuberculosis.
- Pediatric Neurology including complex childhood epilepsy, child neuro-intensive care, Children's stroke, Genetic and Developmental disorder, cerebral palsy, spinal Baclofen pump therapy and Botulinium Toxin Therapy.

Pediatric Neurology:

Optimal care for children with complex neurological disorders eg: Epilepsy, Nerve and Muscle diseases, Genetic & Metabolic diseases as well as delay in Neurodevelopment, Cerebral Palsy, Autistic Spectrum Disorder, Behavioral & Psychiatric Disorders.

All types of acute Neurological Emergencies in babies & children eg: Meningitis, Encephalitis, Childhood Stroke, Prolonged Convulsions Headache of different kinds, sudden onset of paralysis of body parts, sudden nerve & muscles injuries or Neuro – muscular diseases.

Neuro Psychiatry:

- Psychiatric disorder in Parkinson's disease, Epilepsy, post head injury, brain tumor.
- Schizophrenia, depressive disorder, bipolar disorder, anxiety disorder
- Substance dependency
- Child and adolescent psychiatry- Autism, Mental retardation, Attention deficit, Hyperactivity disorder
- Dementia

Neuro Radiology including Interventional & Endovascular Surgery:

Interventional Neuro-Radiology treats complex neurovascular problem like intracranial aneurysms, arterio-venous malformation/fistulas, ischemic stroke & carotico-cavernous fistulas where neurosurgery is either not possible or associated with significant morbidity and mortality.

Neuro Rehabilitation:

The Jain Misrilal Padmawati Medical neuro-rehabilitation center at I-NK aims to improve the lives of people with neurological disability by delivering outstanding patient care and developing solutions to major challenges in neuro-rehabilitation care through research and education.

The centre provides intensive therapy to patients who have had strokes, traumatic injuries to the brain or spine, anoxic brain damage, diseases or infections of the nervous system, long-term conditions like multiple sclerosis and other neuro-degenerative conditions. Services are provided for both adult and pediatric patients on an in-patient or day patient basis.

The team includes Neurologist specializing in neuro-rehabilitation, physiotherapists, speech and language therapists, occupational therapists and clinical neuro-psychologists. Interventions include physical therapy, cognitive rehabilitation, speech-language therapy, occupational therapy, music therapy, mirror therapy, constraint induced movement therapy (CIMT), Botulinum toxin injection and psychological services.

Pathology:

- Fully automated high quality pathology lab with 24 x 7 emergency services
- Facility of home collection (8 am – 5 pm)
- Intra-operative Squash Cytology
- Neuro-histopathology, Histopathology, Hematology
- Biochemistry, Microbiology, Cytology
- Neuro specific Drug assays
- ABG

Facilities at I-NK:

- Centrally air-conditioned 160 bedded hospital with 4 operation theatres, well equipped 45 bedded ITU, state-of-the-art HDU and Executive floor with super deluxe rooms.
- Electrophysiology lab with EEG, EMG, NCV, VEP, BAER & RNST
- MRI with spectroscopy, DTI, SWI, Perfusion and Angiogram.
- Multi-slice CT Scanner with Angiogram, 3 D, & VRT.
- DSA for brain and spine Angiography
- USG with 3 D, 4 D, facilities and whole body color Doppler
- Reports by Shri Chitra and UK trained Neuro-radiologists
- Critical care ambulance, 24 x 7 Pharmacy, Pathology & Radiology
- Advanced brain and spinal endoscope for minimally invasive surgery
- Endovascular treatment for Aneurysms, AVM, Thrombolysis of cerebral arteries
- Video EEG telemetry and Polysomnography
- Fully automated Pathology Lab with neuro-pathology facilities.

SPECIALITY CLINICS:

- Stroke clinic
- Pediatric Movement disorders clinic
- Parkinson's disease and Movement Disorders clinic
- Botox clinic for movement disorders and spasticity
- Epilepsy clinic
- Multi-disciplinary child psychiatry clinic
- Pain clinic
- Spine clinic
- Memory Clinic

Research & Education

Ramgopal Chamaria Medical Research is a dedicated space for research activities at I-NK and is equipped with state-of-the-art research tools like “Gait-rite walkway” - the only center in India that uses this system to study gait for research purpose.

This research centre provides a platform for clinicians and basic scientists from across the globe to do internships and fellowships. The emphasis of present research is on Parkinson’s disease, gait disorders, neuropsychiatry and community treatment of epilepsy.

Ramgopal Chamaria Medical Research Centre is working in collaboration with Newcastle University and is going to start PhD program. In short span of its inception, the centre was able to produce two research papers, which were accepted for International Movement Disorders Society Congress held in Dublin in June 2012.

Our strong research capabilities flow tirelessly towards the advancement of human wellness through scientific discoveries.

Education:

- 1) I-NK has been accredited to conduct Post-doctoral Fellowship Course in Neuroanaesthesia by Indian Society of Neuroanaesthesiology and Critical Care in the year 2013.
- 2) I-NK has been accorded recognition to run the paramedical teaching course in Diploma in Critical care technology (DCCT), Diploma in Neuro-electrophysiology (DNEP) and Diploma in operation theatre technology (DOTT) under the aegis of State Medical Faculty since 2013.
- 3) I-NK has been recognized as the “Sister Institute” by the University of Calcutta to run Ph D program in Neurosciences since 2015.
- 4) I-NK has been accorded recognition to conduct the Post basic diploma in Neuro-nursing program in the year 2016.
- 5) The Institute has been accredited by the Diplomate of National Board in the year 2017 to carry out 3 years courses in Neurology, Neurosurgery & Neuro-anesthesia & Critical care.
- 6) I-NK has been accredited to conduct Post-doctoral Fellowship Course in Neuro-critical care by Indian Society of Neuroanaesthesiology and Critical Care in the year 2017.

Other Activities:

- Every morning there is a clinical session held at the Seminar Hall where academically interesting cases are discussed.
- There is a CME (every Saturday) along with a presentation by distinguished consultants on their areas of interest.
- CMEs and Educational camps are being held at the hospital premises as well as in and around Kolkata including other districts for awareness of general public.
- I-NK holds free health check up on the last Sunday of every month as a part of its CSR activity.

ACCOLADES & ACHIEVEMENTS:

- Govt. of West Bengal approves I-NK as Super Speciality Hospital for Neurosciences.
- I-NK has been accorded recognition as a Scientific & Industrial Research Organization (SIRO) by the Dept. of Scientific & Industrial Research, Govt. of India.
- I-NK is registered under the Indian Companies Act, 1956, as a “not for profit” company, the annual surplus income is ploughed back for further development of the Institute.
- I-NK received the CNBC TV 18 Award for 2013 & 2014 as the “Best Single Speciality Neuro hospital in India”.
- Accorded as the “Comprehensive Neurosciences Service Provider Company of the Year” by Frost & Sullivan in the year 2015.

Prof. R.P. Sengupta has many accolades to his credit

(a) Doctorate of Medicine (Honoris Causa) conferred by the University of Newcastle, Newcastle upon Tyne on 15.07.2016;

(b) Order of the British Empire awarded by the Queen of England & presented by Prince Charles on 19.05.2017;

(c) Voted by the public as the “Pride of North of England” conducted by the Gazette & Chronicle Newspaper Group &

(d) Medal of Honor awardee, conferred by the World Federation of Neurosurgical Society on 20.08 2017.

COURSES AT I-NK

Sl. No.	Name of the courses	No. of students
1	DNB in Neurology	01
2	DNB in Neurosurgery	01
3	DNB in Neuro-anesthesia & Critical care	
4	Ph D program as Sister Institute of Calcutta University	05
5	Post-doctoral Fellowship Course in Neuroanaesthesia recognized by Indian Society of Neuroanaesthesiology and Critical Care	02
6	Post-doctoral Fellowship Course in Neuro-critical care recognized by Indian Society of Neuroanaesthesiology and Critical Care	01
7	Diploma in Critical care technology (DCCT), under the aegis of State Medical Faculty	06
8	Diploma in Neuro-electrophysiology (DNEP) under the aegis of State Medical Faculty	04
9	Diploma in operation theatre technology (DOTT) under the aegis of State Medical Faculty	04
10	Post basic diploma in Neuro-nursing program	05

1. A brief write-up about your Institute - Enclosed as the Attachment
2. Location of the Institute, with road/rail transports to reach the Institute

Link attached: <https://goo.gl/maps/H6kAhkc2SWT2>

Address: Institute Of Neuroscience Kolkata(I-NK)
185/1, AJC Bose Road,
Kolkata- 700017

Bus Route From Shyambazaar -Sealdah INK Hospitals 202, 234

From Utadanga - Sealdah- INK Hospitals 221,

223

From Garia- INK - Hospitals 218, 45B

From Science City- INK Hospital 202

From Dalhousie- INK Hospital 205A

From Howrah- INK Hospitals 39A/2, Kasba

Rathtala Minibu

Nearest Railway Station: Sealdah Railway Station

3. Hostel for students, if any - No Hostel facility
4. Library facility- Yes, there is library facility
5. Fees Structure [In Detail]: Fees as per SMF. No extra fees/caution money for the library.
6. Payment of Stipend to Students during Internship - Rs 2000/- per month
7. Other Financial Support to Students [if any] - Rs 500/- per month as student allowance
8. Name of Contact Person [E-mail, Mobile Number] -
Name: Dr Rajalaxmi S,
Mobile No: 9481668411
Mail ID: quality@neurokolkata.org
9. Website of the Institute: www.neurokolkata.org