

## **DEPARTMENT OF NEUROSURGERY**

The department of Neurosurgery at Columbia Asia Referral Hospital, Yeshwanthpur, Bangalore, is committed to providing state - of - the - art and comprehensive neurosurgical care to all concerned. We aim at excellence in neurosurgical care with a humane touch. Our focus has been on making available state - of – the - art neurosurgical care at affordable cost to the community.

The faculty in the department are well trained and experienced in the various aspects of modern neurosurgery including cerebrovascular surgery, interventional neuroradiology, endoscopic neurosurgery and other minimally invasive neurosurgery, stereotaxic neurosurgery, etc. We are totally committed to professional excellence and patient satisfaction.

The department strives to provide solutions to all the brain and spinal problems afflicting the society. The state-of-the-art infrastructure includes CATH lab, Neurosurgical ICU and diagnostic services. The radiology department is equipped with Digital X-ray, 64 slice CT, 1.5 T MRI, ultrasound and Doppler.

### **SERVICES WE OFFER IN NEURO SURGERY:**

#### **Comprehensive Neurotrauma Care**

- Surgical and ICU management of all head injuries
- Management of all types of spinal injuries
- Neuro and spinal rehabilitation

#### **Surgery for all types of brain tumors**

Radical excision of all types of brain tumors:

- Meningiomas
- Gliomas
- CP Angle tumors
- Posterior Fossa tumors
- Intraventricular tumors
- Pituitary tumors

#### **Cerebrovascular surgery**

All types of cerebrovascular surgical problems are addressed:

- Cerebral Aneurysmal surgery
- AVM excision
- ST-MC Bypass

#### **Skull Base Surgery**

Skull Base Surgery is a multispeciality surgical exercise and requires a team approach:

- Surgical excision of skull base tumors
- Cranio Facial Resection
- CSF leak repair

#### **Spinal Surgery**

Spinal surgery is very commonly performed. **Minimally invasive techniques** are routinely followed:

- Cervical disc surgery – anterior and posterior

- Cervical Arthroplasty (Artificial Disc Replacement)
- Microscopic Lumbar Discectomy
- Spinal stabilization and instrumentation
- Spinal Cord tumors
- Surgery for Infections
- Correction of Kyphosis and Scoliosis

### **Endoscopic Neurosurgery**

One of the recent advances in neurosurgery:

- Surgery for removal of Intraventricular tumors
- Surgery for Obstructive hydrocephalus – Endoscopic Third Ventriculostomy
- Endoscopic discectomy
- Endoscopic pituitary surgery

### **Pediatric Neurosurgery**

Neurosurgery on children is a specialized field and requires skill and experience:

- Shunt surgery
- Surgery for spinal dysraphism

### **Interventional Neuroradiology**

Also known as “key hole surgery” is a recently evolved method of treating cerebrovascular problems through the endovascular route:

- Coiling of Aneurysm
- AVM embolization
- Diagnostic Angiograms and Intraoperative Angiograms

### **Functional Neurosurgery**

Various surgeries like:

- Epilepsy surgery
- Deep Brain Stimulation for Parkinson’s disease
- Surgery for relief of Chronic Pain

## **OUR FACILITIES AND SET-UP**

**The operation theater includes the following specialized equipments.**

- Operating Microscope –Zeiss Pantero & OPMI Vario
- MIZUHO OT Table
- Sugita Head Frame
- Midas Rex Legend Drill System
- CUSA
- DSA C Arm
- Aesculap and Codman microinstruments
- Storz Neuroendoscope
- Storz Spinal Endoscope
- Leksell Stereotaxic Apparatus
- Alsa Excell Bipolar / Monopolar Cautery

**FACULTY PROFILE**



**Dr Arjun Srivatsa**  
**Consultant - Neurosurgeon and Spine Surgeon**  
**Columbia Asia Hospital, Bangalore, India**

Dr. Arjun Srivatsa is one of the most recognized and respected Neurosurgeon and Spine Surgeon in India. He brings with him rich experience of over 10 years in the field. He is known for his expertise in using the latest neuro-surgery technology and his methods have improved the results in spine surgery.

Dr. Srivatsa also has a keen interest in all kinds of spinal problems and has earned himself numerous fellowships in the United States, Korea and Japan.

During his years he has done over 1500 case of Spine surgery and also brain tumours, head surgeries and pediatric problems. He is also the Neurosurgeon for Jehovah's witnesses from around the world as he specializes in the art of surgery without blood transfusion.

Dr. Srivatsa is currently attached to the Columbia Asia Group of Hospitals in Bangalore.

Born in 1966, Dr. Srivatsa finished schooling in Mumbai and is a part of the 1989 graduate batch from the prestigious Karnataka Medical College. He was awarded the Bachelor of Medicine and Bachelor of surgery degree in January 1991 after completion of his Rotatory Internship in General Surgery, General Medicine, Obstetrics and Gynecology and Social & Preventive Medicine.

Dr. Srivatsa also underwent one year training, (1991-1992), in General Surgery at the St. John's Medical College & hospital, Bangalore as per specification of the National Board of Examinations towards the five year Direct courses in Neurosurgery.

In addition, he also trained for four years, from 1992-1996, as a resident in Neurosurgery at the Dr Achantha Lakshmiipathi Neurosurgical Center, VHS Medical Center, Chennai.

In 1996, Dr. Srivatsa was the founding partner of a medical technology company involved in developing medical portals and platforms for virtual medical training. He has served as the Indian Medical Association (East) President in 2002, member of the National Academy of Medical Sciences, and member of the Congress of the Neurological Sciences in the US. Dr. Srivatsa is a trustee in a women-oriented NGO (Guild of Women Achievers) and the Road Accidents Victims Association, as well as a Rotarian and a Paul Harris fellow. In addition, he is a Director on the Board of Kirloskar Medical Technologies Limited and a founding trustee of the Spine Trust, which caters to the needs of poor patients enduring spinal problems.

**Other Positions held:**

1. President- Indian Medical Association in the year 2003.
2. Member of the Rotary Club of Cantonment
3. On the Health Committee of the State of Karnataka Government

4. On the Cadaver Transplant Committee for the Karnataka Government

Dr. Srivatsa has been highly acclaimed for his academics and research work. He has published a number of articles on neurology and made presentations on the science at various prestigious international medical events in India as well as internationally. Apart from this, he also has attended numerous courses and conferences including the update for young Neurosurgeons held at Osaka in 1999, The World Spine Congress at Germany in 2000 in addition to host of other courses and conferences worldwide. This highlights his focus on continued education in the field.

Dr. Srivatsa has also widely contributed to popular English Dailies on topics various health related issues ranging from chronic back aces to spinal problems. His literary proficiency and his ability to touch upon finer aspects in his articles have garnered him a wide fan following among the readers.

A keen sports enthusiast with an affinity towards outdoor sports like cycling and swimming. Dr. Srivatsa is also a keen Rotarian.