



Dr. Sajan K. Hegde,
M.S. (Orthopedics), Fellowship in Spine Surgery, Fellow Spine Surgeon (France), Fellow Spine Surgeon (Germany) Fellow Spine Surgeon (Switzerland)

**Consultant Spine Surgeon
Apollo Hospitals, Chennai**

Medical Education

1980: Bachelor of Medicine & Bachelor of Surgery, Baroda Medical College, Maharaja Sayaji Rao University, Baroda

Postgraduate Education

1985: Master of Surgery (Orthopaedics) Baroda Medical College, Maharaja Sayaji Rao University, Baroda

Professional Positions

1985 to 1988: Junior Consultant
P.D. Hinduja Sindhi Hospital
Bangalore

1989 to 1994: Consultant Orthopaedic Spine Surgeon
Madras Institute of Orthopaedics &
Traumatology
Vijaya Hospitals, Chennai

1994 till date: **Consultant Spine Surgeon**
Spine Service
Apollo Hospitals, Chennai

Spine Surgery Fellowships/Residencies/Visiting Fellowships

1989 - Cotrel Spine Fellowship: Unit of Dr. D. Chopin
Department of Spinal Surgery
Institut Calot, Berck-sur-mer
France

(First Indian to receive this prestigious spine fellowship)

1989 - Resident in Spinal Surgery: Unit of Dr. D. Chopin

Department of Spinal Surgery
Institute Calot, Berck-sur-mer
France

1991 - Visiting Surgeon: Unit of Dr. N. Passuti

Clinique Chirurgicale Orthopedique
Centre Hospitalier Regional
Et Universitaire de Nantes
Hospital Saint – Jacques
Nantes, France

1992 - A.O. Spine Fellowship: Unit of Prof. W. Dick

Orthopaeische Universitätsklinik
Felix-Platter-Spital
Basel, Switzerland

1993 - Visiting Surgeon: Unit of Prof. Kim

Spine Center
Yongdong Severance Hospital
Seoul, South Korea

1995 - Harms Spine Fellowship: Unit of Prof. Harms

Spine Centre
Klinikum, Karlsbad – Langensteinbach
Karlsbad
Germany

1995 - Visiting Surgeon: Unit of Dr. G. Tabasso

Clinica Orthopedica
University of Torino
Torino
Italy

1995 - Visiting Surgeon: Unit of Dr. Harry Shufflebarger

Chief Spine Surgeon
Division of Spinal Surgery
Department of Orthopaedics
1150, Campa Sano Avenue
Suite 300, Coral Gables
Florida, Miami 33146 USA

1997 - Visiting Surgeon: Unit of Prof. Kaneda

Department of Orthopedic Surgery
Hokkaido University
School of medicine
Sapporo, Japan

1997 - Visiting Surgeon: Unit of Prof. Tomita

Department of Orthopedic Surgery
Kanazawa University
Kanazawa, Japan

1998 - Visiting Surgeon: Unit of Dr. Henry Halm
Spine Unit, Department of Orthopaedic Surgery

1999 - Visiting Surgeon: Unit of Prof. Harms
Spine Centre
Klinikum, Karlsbad – Langensteinbach
Karlsbad, Germany

Membership of Professional Bodies, Associations

Indian Orthopaedic Association (I.O.A)
Association of Spine Surgeons of India (ASSI)
Groupe Internationale COTREL DUBOUSSET (GICD)
Spine trauma study group – USA

Fellowship of The National Board in Spine Surgery
– Examiner, 2004

International Meets / Conferences

International Congress on Cotrel-dubousset Instrumentation – Monte Carlo,
in June 1989 – Participant

C.D. Basic Course 1989 in Institut Calot, Berck-sur-mer, France – Participant

International congress on Cotrel Dubousset Instrumentation – Minneapolis, in
May 1991 – Participant

C.D. Advanced Course 1991 in Institut Calot, Berck-sur-mer, France – Participant

AO / ASIF Course Seminar in Madras Nov 1992 – **Faculty**

**1st International Symposium on Hip & Spine, Indo-German Orthopaedic
Foundation** in Nov 1992 – **Faculty**
Surgical management of spinal deformities

Baroda Orthopaedic Association, April 1993 – **Faculty**
Spinal Stabilization Techniques
Cotrel Dubousset Instrumentation

Tamil Nadu Ortopaedic Association in Jun 1993 – **Faculty**
Lumbosacral Instability

International workshop on Stabilization of the Spine, Madras Oct 1993 –
Faculty
Surgical Management of Scoliosis
Management of Lumbo Sacral Instabilities

Techniques & Concept of Spinal Surgery – Phuket Island, Thailand in 1997 – Participant

ASSICON – 97 Chennai, India – **Organising Secretary**. Conducted and organized with a faculty of reputed Spine/Neuro surgeon from around the world

Muller Course on Surgery of Paediatric Spine in Nov 1997 – **Faculty**
Surgical Management of the deformed Spine – An Indian Experience

ASSICON – 98 Patna, India – **Faculty**
Surgical management of the deformed Spine
The tension band principle and it's applications in Spine Surgery

Workshop on Spinal Stabilization 1998 at NIMS Hyderabad
Performed a front-back live demonstration surgery for failed back surgery
Papers Presented
Surgical Management of Spinal deformity
Evolution of Spinal Instrumentation
The Tension band principle & Its application in Spinal surgery

“Down Under” with “Big Time Spine” – Coolum, Australia May 1999 - **Faculty**
Surgical Management of the Deformed Spine – An Indian Experience
Surgical Management of Tuberculosis of the Thoracic & Lumbar Spine

The Royal London Hospital White Chapel, St. Bartholomews, London – Invited speaker
Spinal deformity
TB spine

ASSICON – 1999 Hyderabad, India – **Faculty**
Surgical management of deformed spine
The tension band principle: Its role and application in spine surgery
Surgical management of Spinal Tuberculosis

AFORT – 1999, Chennai, India – **Faculty**
Surgical management of severe spinal deformity
Surgical management of Koch's Spine

9th International conference on Lumbar Fusion & Stabilization – 1999 in Chesire, The United Kingdom – Participant

Invited to talk at Khoula Hospital, Muscat and to perform surgeries at the Military Hospital in 1999

The 3rd Annual international course on “Global Spine” – Surgical principles and the latest techniques, Maui, Hawaii, 1999 – Participant

ASSICON – 2000 Bombay, India – **Faculty**
Spinal Tuberculosis & Instrumentation

IOACON – 2000 Hyderabad, India – **Faculty**
The surgical management of complex spinal deformity

7th GCC Orthopedic conference, Kuwait, Feb 2000 – **Faculty**
Surgical management of complex spinal deformity
The tension band principle in Spine

The 7th Annual Meeting of the Japanese Society for the study of Surgical Techniques for Spine and Spinal Nerves, Japan, September 2000 - **Faculty**
Operative treatment for Tubercular Spondylitis

International symposium on Minimally Invasive Spine Surgery, Bern, Switzerland, December 2000, Participant

ASSICON – 2001, Delhi, India – **Faculty**
Role of Instrumentation in the surgical correction of the deformed spine

The 1st Annual International course on “Current Spine” – Advances in Techniques and Technology, Langkawi, Malaysia, Feb 2001, **Course Co Director & Faculty**
Surgical Management of Spinal TB

Visiting Surgeon to Armed Forces Hospital, Oman, June 2001

The second annual international course on current spine (Advances in technique & technology)
Jan 30 – Feb 02, 2002 Kuala Lumpur, Malaysia - **Course Co-director & Faculty**
Instrumentation in Spinal Tuberculosis

Global spine, July 12-14, 2002, Hawaii - Faculty
High-grade spondylolisthesis

Spine trauma study group inaugural meeting, Los Angeles
Nov 7-10, 2002

Spine trauma study group, Miami - May 2003

MAST Workshop, Bordeaux, France – May 2003

Second interdisciplinary congress on spine care – World Spine II, Chicago, Illinois; 10-13 August 2003
Instrumentation in spinal tuberculosis

Spine trauma study group, Sonoma, California, Sept. 4-6, 2003

GSACON 2003, 5th Annual conference, Gujarat Spine Association, Ahmedabad
– Oct. 2003 - **Faculty**

Congenital scoliosis
Surgical management of spondylolisthesis
Surgical management of severe spinal deformities

Instructional lecture course of the Association of Spine Surgeons of India & European Spine society, Coimbatore, India, Oct. 2003

Surgical management of the severely deformed spine

WIROC, Mumbai, 29th Nov 2003 - Faculty

Surgical Management of Dorso-lumbar Junctional lesions

48th Annual Conference of Indian Orthopaedic Association - Dec. 2003, Chennai - Faculty

Implants in the surgical management of spinal tuberculosis

Annual conference of the Association of spine surgeons of India (ASSICON), 23-25 Jan 2004, Pune, India – Faculty

Surgical management of multilevel disc degeneration
Live Surgical demonstration of TLIF (Kidney cage) and PLIF (R-90) with instrumentation in 2 level disc degeneration

Annual conference of Tamilnadu Orthopedic Association, 13-14 Feb 2004, Nagarkoil, Tamilnadu – Faculty

The case for anterior surgery in multilevel cervical disc disease

ISICON (International Spinal Injuries Conference), Delhi, 11th – 13th March 2004 – Faculty

Surgical Management of Severe Rigid Deformities
Complications of Spinal Surgery in Ankylosing Spondylitis
Complications of Spinal Surgery in Children
Intervertebral Cages in Lumbar Spine – Biomechanics & Indications

Spine Trauma Study Group, Denver, Colorado, 13-14 May 2004

Workshop on the Sextant, Minimally Invasive Spinal Surgery at the MERI, Memphis 16th May 2004

BOA International Congress, Manchester- September 2004

Surgical Management of High Grade Spondylolisthesis

EFORT (European Federation of Orthopaedics and Traumatology) Amsterdam; September 2004

Surgical Management of High Grade Spondylolisthesis

Course / Workshop Organised

The **First COTREL-DUBOUSSET basic course** and workshop in India, with Dr. N. Passuti as co-course Director May 1991

The **First workshop on Moss – Miami / Moss / Titanium mesh system** with Dr. Harry Shufflebarger and Prof. Harms in 1995

Under print: Instrumentation in spinal tuberculosis.

This article (full version) has been officially accepted for publication in the Spine Journal (official journal of NASS)

Some comments on my spine work

I have pioneered the use of many modern instrumentation systems, for Example, the Cotrel – Dubousset, the Moss Miami, The Ray cages (PLIF), the BAK cages and the Harms Mesh Systems in India

My present repertoire of work covers almost the entire gamut of spinal disorders and includes deformity, low back, tumor, trauma, Infection & cervical spine surgery

In deformity surgery, I have successfully managed a wide range of deformities from mild to the very severe using back, front back, and multiple staged interventions. I am quite at home in the use of anterior as well as posterior instrumentation systems

In the low back, I routinely tackle a variety of problems ranging from disk prolapse, to spondylolisthesis, failed back and salvage situations. I do complicated revision surgeries for instability and sagittal malalignment using back-front-back techniques in the same sitting. I am familiar with PLIF (BAK – cages), TLIF (Harms technique) and global fusion techniques

I have tackled variety of tumors including benign (eg. Hemangioma) and malignant (primary, secondary). I am familiar with vertebrectomy techniques and reconstruction using cages, grafts, etc.

I have tackled trauma using a wide variety of approaches concepts and implant systems, from the front and back

I'm frequently invited nationally as well as internationally to conduct workshops on modern spinal techniques and perform live demonstration surgeries.

Teaching responsibility

Guide in the DNB teaching program

Spine fellowships – training of aspiring spine surgeons from India and abroad

I am credited with introducing Arthroplastic reconstruction of the lumbar and cervical discs with artificial discs in India.

A first for an Indian spine surgeon:

I have designed in collaboration with Medtronic Sofamor Danek (MSD) a comprehensive spinal instrumentation system for anterior fixation in a variety of spinal problems including spinal deformities, tumors, infections and injuries. The system is awaiting FDA clearance and will be marketed internationally by MSD. It is called "The Pegasus".