



3rd AIIMS International Spine Deformity Course

Theme: **Congenital Scoliosis**

Dates:

**21st, 22nd & 23rd
MARCH 2024**

Organized by

Department of Orthopaedics
and
Orthopaedic Research Society
All India Institute of
Medical Sciences
New Delhi

Venue:

Jawaharlal Auditorium
AIIMS, New Delhi

Scientific Programme



3rd AIIMS International Spine Deformity Course

Day 1: 21st March 2024, Thursday

Time	Topic	Speaker(s)	
09:00-10:45	Financial Boot Camp – 'Rich Doctor, Poor Doctor' Venue: Ramalingaswamy Board Room, AIIMS	TBD	
Move to Jai Prakash Narayan Apex Trauma Centre			
11:00-11:15	Registration for Cadaveric Workshop		
11:15-12:25	INVITED TALKS		
11:15-11:25	Building a spinal deformity practice: How do I begin?	Dr HS Chhabra	
11:25-11:35	Clinical examination of a patient with scoliosis: What should I look for?	Dr Sarvdeep S Dhatt	
11:35-11:45	Imaging 101: Basic measurements and techniques	Dr Gurudip Das	
11:45-11:55	Pedicle screw insertion in a scoliotic spine: Tips, tricks and pitfalls	Dr Amer Samdani	
11:55-12:05	Alternative implants and strategies: when pedicle screws don't work	Dr Tarun Suri	
12:05-12:30	Discussion		
12:30-12:40	Designing a construct for definitive spinal fusion in scoliosis: Screws, rods and more	Dr Vishal Sarwahi	
12:40-12:50	Types of spinal osteotomies: A broad overview	Dr Deepak Joshi	
12:50-13:00	Pedicle subtraction osteotomy: Steps/Surgical video	Dr Deep Sharma	
13:00-13:10	Vertebral column resection: Steps/Surgical video	Dr Lalit Sharma	
13:10-13:30	Discussion		
13:30-14:15	LUNCH		
14:15-14:25	Sacropelvic fixation: Indications and technique	Dr Abrar Ahmad	
14:25-14:35	Dealing with an IONM alert: Checklist and Action-plan	Dr Rohit Jindal	
14:35-14:45	Safe Spine Surgery: Burr, Ultrasonic Scalpel, Haemostatic agents	Dr Varun Agarwal	
14:45-14:55	Record-keeping and longitudinal follow-up of spine patients	Dr Hitesh Garg	
14:55-15:15	Discussion		
15:15-15:30	Tea Break and Move to Skill Stations		
15:30-18:30	HANDS-ON SESSIONS		
	SAW-BONE WORKSHOP Faculty: Dr Lalit Sharma, Dr Abhishek Kashyap, Dr Tarun Suri, Dr Saurabh Kapoor	CADAVERIC STATION TABLE 1-3 (SACROPELVIC FIXATION) Faculty: Dr Deep Sharma, Dr Kanwaljeet Garg, Dr Rohit Jindal, Dr Janardhan Aithala	CADAVERIC STATION TABLE 4-6 (THREE-COLUMN OSTEOTOMIES) Faculty: Dr Varun Agarwal, Dr Gurudip Das, Dr Manoj Phalak, Dr Tankeshwar Baruah
15:30-16:30	Batch A	Batch B	Batch C
16:30-17:30	Batch C	Batch A	Batch B
17:30-18:30	Batch B	Batch C	Batch A
19:45 Onwards	Faculty Dinner		

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Day 2: 22nd March 2024, Friday

Venue: Jawaharlal Auditorium AIIMS, New Delhi

Time	Topic
08:30-09:15	Registration
09:00-09:15	Welcome and Introduction to Faculty – Prof BD Chowdhury
09:00-13:30	LIVE SURGERY – I) ASYMMETRIC PEDICLE SUBTRACTION OSTEOTOMY SURGEONS: DR SAUMYAJIT BASU, DR UPENDRA BIDRE OPERATION THEATRE MODERATOR: DR SUBIR JHAVERI HALL MODERATORS: DR PARK SI YOUNG, DR SK SRIVASTAVA, DR CHARANJIT SINGH DHILLON, DR ABRAR AHMAD
09:00-13:30	LIVE SURGERY – II) TRADITIONAL GROWING ROD IMPLANTATION SURGEONS: DR BHAVUK GARG, DR SHAILESH HADGAONKAR OPERATION THEATRE MODERATOR: DR RANJITH UNNIKRISHNAN HALL MODERATORS: DR AMER SAMDANI, DR ALAA AZMI AHMAD, DR SAURABH RAWALL, DR NEERAJ GUPTA
13:30-14:30	LUNCH LUNCH SYMPOSIUM: MASTERCLASS ON CONGENITAL SCOLIOSIS – DR AMER SAMDANI
14:30-17:00	LIVE SURGERY – III) ROBOTIC-ASSISTED PEDICLE SCREW INSERTION IN LUMBAR SPINE (MIS-TLIF) SURGEONS: DR SAJAN HEGDE, DR K APPAJI KRISHNAN OPERATION THEATRE MODERATOR: Dr Ajay Krishnan, Dr Mirant Dave HALL MODERATORS: DR VISHAL PESHATTIWAR, DR PUNEET GIRDHAR, DR ANKUR NANDA, DR JANARDHAN AITHALA
	LIVE SURGERY – IV) HEMIVERTEBRA EXCISION IN CONGENITAL SCOLIOSIS SURGEONS: DR AJOY SHETTY, DR DHIRAJ SONAWANE OPERATION THEATRE MODERATOR: DR PANKAJ KANDWAL HALL MODERATORS: DR VISHAL SARWAHI, DR KSHITIJ CHAUDHARY, DR VIKAS TANDON, DR NIRAJ VASAVADA
19:30 ONWARDS	Faculty Dinner

Short Surgical Videos

S.No	Topic	Duration	Presenter
1	Case Presentation - Hemivertebra at dorsolumbar junction - two widely different presentations and solutions	8 min	Dr Sajan Hegde
2	Apical Control Techniques	8 min	Dr Alaa Azmi Ahmad
3	EDF Casting	8 min	Dr Vishal Sarwahi
4	Traditional Growing Rod Application	8 min	Dr Arjun Dhawale
5	Magnetically Controlled Growing Rod Application	8 min	Dr Raphael Vialle
6	Posterior vertebral column resection	8 min	Dr Park Si Young
7	Cervical Pedicle Screw Insertion	8 min	Dr Upendra Bidre
8	Navigation-guided pedicle screw insertion in scoliosis	8 min	Dr Vishal Peshattiwar
9	Anterior thoracoscopic release	8 min	Dr Amer Samdani
10	Erector Spinae Block	8 min	Dr Akhil Kant Singh
11	Sublaminar wiring in neurofibromatosis	8 min	Dr SK Srivastava
12	S2-Alar-Iliac screw insertion	8 min	Dr Pankaj Kandwal
13	3D printed jigs for pedicle screw insertion	8 min	Dr Abhishek Kashyap
14	Halo Ring Application	8 min	Dr Dhiraj Sonawane
15	Congenital Scoliosis – Sequential multiaxial correction and 'Rail' rods	8 min	Dr Tomasz Potaczek

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Day 3: 23rd March 2024, Saturday

Venue: Jawaharlal Auditorium AIIMS, New Delhi

Time	Topic	Speaker
07:45-08:15	Registration	
08:15-09:00	Rapid Podium Presentations Judges: Dr Rupinder Chahal, Dr Buddhadev Chowdhury, Dr Manoj Phalak	
09:00-10:25	SESSION 1 – (CHAIRPERSONS: DR SHANKAR ACHARYA, DR SS KALE, DR RAJESH PARASNIS, DR K APPAJI KRISHNAN)	
09:00-09:10	Classifications and Nomenclature: Terminology in Congenital Scoliosis	Dr Kshitij Chaudhary
09:10-09:20	Imaging in Congenital Scoliosis: How to Get it Right	Dr Chirayu Pamecha
09:20-09:30	Role of EOS imaging in Scoliotic Patients	Dr Raphael Vialle
09:30-09:40	Non-operative treatment options: A 'time-buying' tactic	Dr Amer Samdani
09:40-09:50	Neuraxial abnormalities with scoliosis: Summary of evidence	Dr Sachin Borkar
09:50-10:00	Genetics of Congenital Scoliosis and Abnormal Segmentation	Dr Raphael Vialle
10:00-10:20	Discussion	
10:20-11:35	SESSION II – (CHAIRPERSONS: DR ARVIND JAYASWAL, DR RAGHAV DUTT MULUKUTLA, DR RUPINDER CHAHAL, DR AYUSH SHARMA)	
10:20-10:30	Overview of treatment options – what, when and how?	Dr Amer Samdani
10:30-10:43	Hemivertebra excision – Principles, Timing and Surgical Technique	Dr Saumyajit Basu
10:43-10:55	Role of anterior approaches in congenital scoliosis	Dr SK Srivastava
10:55-11:05	Congenital cervicothoracic curves	Dr Sajan Hegde
11:05-11:15	Choosing fusion levels in congenital scoliosis	Dr Charanjit Singh Dhillon
11:15-11:35	Discussion	
11:35-12:05	PANEL DISCUSSION-I	
11:35-12:05	Panel Discussion – Treatment options in Early-onset congenital scoliosis (Traditional GR v/s MCGR v/s Shilla) Moderator: Dr Upendra Bidre, Dr Chirayu Pamecha	Panel: Dr Arvind Jayaswal, Dr Alaa Azmi Ahmad, Dr Saumyajit Basu, Dr Ayush Sharma, Dr Raphael Vialle
12:05-13:00	SESSION III – CHAIRPERSONS: DR KALIDUTTA DAS, DR SUNIL KATOCH, DR KAMRAN FAROOQUE, DR VIVEK TANDON	
12:05-12:15	How to deal with coronally decompensated curves	Dr Surya Prakash Rao Voleti
12:15-12:25	How to deal with proximal lordotic segment/Avoiding PJK with posterior growing devices	Dr Vishal Sarwahi
12:25-12:35	Role of halo-gravity traction in congenital scoliosis	Dr Raghav Dutt Mulukutla
12:35-12:45	Late-presenting curves/Congenital curves in adulthood	Dr Suresh Pillai
12:45-13:00	Discussion	
13:00-13:40	Inauguration	
13:40-14:30	Lunch	

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Time	Topic	Speaker
14:30-15:00	PANEL DISCUSSION-II	
14:30-15:00	Panel Discussion – Management options in Tweeners Moderator: Dr Subir Jhaveri, Dr Ranjith Unnikrishnan	Panel: Dr Amer Samdani Dr Tomasz Potaczek Dr Ajoy Shetty, Dr Arjun Dhawale, Dr Dhiraj Sonawane
15:00-15:30	PANEL DISCUSSION-III	
15:00-15:30	Panel discussion – Caught in a fix: Intraoperative neuromonitoring alerts in scoliosis surgery Moderator: Dr Shailesh Hadgaonkar, Dr Vishal Kundnani	Panel: Dr Raghav Dutt Mulukutla, Dr Ajay Krishnan, Dr Vishal Sarwahi, Dr Gururaj Sangondimath, Dr Charanjit Singh Dhillon
15:30-16:45	SESSION IV – (CHAIRPERSONS: DR VISHAL PESHATTIWAR PROF MANISH CHADHA, DR J NARESH BABU, DR SURESH PILLAI)	
15:30-15:40	Multimodal pain relief and ERAS in Scoliosis surgery	Dr Ajoy Shetty
15:40-15:50	Spinal osteotomy through a previously operated spine	Dr Park Si Young
15:50-16:00	Exposed implants after scoliosis surgery: management options	Dr Maneesh Singhal
16:00-16:10	APC Technique in Congenital scoliosis	Dr Alaa Azmi Ahmad
16:10-16:20	Rational use of technology in the OR	Dr Shailesh Hadgaonkar
16:20-16:30	Empathetic Communication in Scoliosis Care: Navigating Anxiety, Setting Expectations and Delivering Difficult News	Dr Ram Chaddha
16:30-16:50	Discussion	
16:50-18:00	SESSION V: CASE DISCUSSIONS (5 CASES – 13 MINUTES EACH)	
16:50-18:00	Case Discussions (Panelists: Dr Surya Prakash Rao Voleti, Dr Park Si Young, Dr Ranjith Unnikrishnan, Dr K Appaji Krishnan, Dr Hitesh Garg)	
	Case 1: Dr Rajesh Parasnis	
	Case 2: Dr Niraj Vasavada	
	Case 3: Dr J Naresh Babu	
	Case 4: Dr Vishal Kundnani	
	Case 5: Dr Tomasz Potaczek	
18:00	VALEDICTORY/GROUP PHOTO	