



4th AIIMS International Spine Deformity Course

THEME

Correction Techniques in Spinal Deformity

DATE

27th, 28th and 29th March 2025

VENUE

Jawaharlal Auditorium, AIIMS, New Delhi

ORGANIZED BY

**Department of Orthopaedics
and Orthopaedic Research Society
AIIMS, New Delhi**

Scientific Programme



4th AIIMS International Spine Deformity Course (Day 1- 27th March, 2025, Thursday)

Time	Topic	Speaker(s)
08:00-08:45	Registration for Cadaveric Workshop and Symposium (Venue: Ramalingaswamy Board Room, AIIMS)	
	INVITED TALKS	
08:45-08:55	Imaging tools: Radiographs, CT, MRI and more	Deepak Joshi
08:55-09:05	Pedicle screws in scoliotic spine: Tips and tricks to improve accuracy	Vishal Sarwahi
09:05-09:15	Cervical pedicle screws: Free-hand surgical technique	Varun Agarwal
09:15-09:25	Alternative implants and strategies: when pedicle screws don't work	Suresh Pillai
09:25-09:40	Discussion	
09:40-09:50	Designing a construct for definitive spinal fusion in scoliosis	Jwalant Mehta
09:50-10:00	Types of spinal osteotomies: A broad overview	Hitesh Modi
10:00-10:10	Surgical technique/Video: Ponte's osteotomy	Lalit Sharma
10:10-10:20	Surgical technique/Video: Three-column osteotomy	Chirayu Pamecha
10:20-10:30	Sacropelvic fixation: Indications and technique	Abrar Ahmed
10:30-10:50	Discussion	
10:50-11:05	Tea Break	
11:05-11:15	Dealing with an IONM alert: Checklist and Action-plan	Deep Sharma
11:15-11:25	Haemostasis in scoliosis surgery	Janardhana Aithala
11:25-11:35	Rational use of technology in the OR – Navigation and Robotics	Vishal Sarwahi
11:35-11:45	Softwares for planning scoliosis surgery and osteotomies	Sanjeev Suratwala
11:45-12:00	Discussion	
12:00-12:25	Invited talk – Management of Early-Onset Scoliosis: My Experience	Muharrem Yazici

Website: www.aiims-aisdc.com

4th AIIMS International Spine Deformity Course (Day 1- 27th March, 2025, Thursday)

Time	Topic	Speaker(s)
12:25-14:00	Deformity Gurukul (10 stations with 3 delegates each) Each delegate to complete EIGHT stations, 12 mins each	
	Station 1	Arjun Dhawale Vyom Sharma
	Station 2	Dhiraj Sonawane Sarvdeep Singh Dhatt
	Station 3	Chirayu Pamecha Gaurav Sharma
	Station 4	Abhishek Kashyap Chinmay Nath
	Station 5	Abrar Ahmed Lalit Sharma
	Station 6	Niraj Vasavada Priyank Patel
	Station 7	Tarun Suri Gurudip Das
	Station 8	Ujjwal Debnath Ajay Kothari
	Station 9	Suresh Pillai Prabhat Agarwal
	Station 10	Hitesh Modi Kshitij Chaudhary
	Station 11	Hitesh Garg Mantu Jain
14:00-14:50	LUNCH	
14:50-15:30	Move to Skill Stations – Jai Prakash Narayan Apex Trauma Centre (JPNATC)	
15:30-18:30	HANDS-ON SESSIONS	
	CADAVERIC STATION TABLE 1-4 (SACROPELVIC FIXATION THREE-COLUMN OSTEOTOMIES) VENUE: ANATOMY DISSECTION HALL Faculty: Deep Sharma, Manoj Phalak Hitesh Modi, Mantu Jain, Rohit Jindal Tankeshwar Baruah	CADAVERIC STATION TABLE 5-8 (PEDICLE SCREWS WITH ROBOT AND IMAGE-GUIDED NAVIGATION) VENUE: JPNA TRAUMA CENTRE Faculty: Puneet Girdhar, Kanwaljeet Garg, Mirant Dave, Varun Agarwal, Ankur Nanda, Kaustubh Ahuja
15:30-17:00	Sacropelvic Fixation	Robot-Assisted Pedicle Screw Insertion
17:00-18:30	Three-column osteotomies	O-arm navigated pedicle screw insertion
19:30 onwards	Faculty Dinner	

4th AIIMS International Spine Deformity Course
(Day 2- 28th March, 2025, Friday)
Venue: JLN Auditorium, AIIMS, New Delhi

Time	Topic		
08:30-09:15	Registration		
09:00-09:15	Welcome and Introduction to Faculty – Prof Kamran Farooque/Prof BD Chowdhury		
09:00-13:30	LIVE SURGERY I – SURGEONS: ABHAY NENE, ARJUN DHAWALE OPERATION THEATRE MODERATOR: AJAY KOTHARI HALL MODERATORS: DILIP SENGUPTA, ALAA AZMI AHMAD, CS DHILLON, MASSIMO BALSANO		
	LIVE SURGERY II SURGEONS: BHAVUK GARG, DHIRAJ SONAWANE OPERATION THEATRE MODERATOR: RANJITH UNNIKRISHNAN HALL MODERATORS: HJ KIM, SAUMYAJIT BASU, SANJEEV SURATWALA, JANARDHANA AITHALA		
	LUNCH		
14:30-17:00	LIVE SURGERY – III SURGEONS: KSHITIJ CHAUDHARY, AJAY SHETTY OPERATION THEATRE MODERATOR: SUBIR JHAVERI HALL MODERATORS: MUHARREM YAZICI, ABRAR AHMAD, NEERAJ GUPTA, MAHESH BIJJAWARA		
	LIVE SURGERY – IV SURGEONS: UPENDRA BIDRE, AJAY KRISHNAN OPERATION THEATRE MODERATOR: NIRAJ VASAVADA HALL MODERATORS: JWALANT MEHTA, SK SRIVASTAVA, GURURAJ S., VISHAL SARWAHI		
	19:30 ONWARDS FACULTY DINNER		
Short Surgical Videos:			
S.No	Topic	Duration	Presenter
1	Apical Control Techniques	10 min each	Alaa Azmi Ahmad
2	EDF Casting		Muharrem Yazici
3	Neurofibromatosis – AP Fusion		Kshitij Chaudhary
4	Magnetically Controlled Growing Rod Application		Vishal Sarwahi
5	Posterior vertebral column resection		Mahesh Bijjawara
6	Cervical Pedicle Screw Insertion		Upendra Bidre
7	Navigation-guided pedicle screw insertion in scoliosis		Vishal Peshattiwari
8	Erector Spinae Block		Akhil Kant Singh
9	Sublaminar wiring in neurofibromatosis		SK Srivastava
10	S2-Alar-Iliac screw insertion		Gururaj S.
11	3D printed jigs for pedicle screw insertion		Abhishek Kashyap
12	Halo Ring Application		Dhiraj Sonawane
13	TBD		HJ Kim

4th AIIMS International Spine Deformity Course
(Day 3- 29th March, 2025, Saturday)
Venue: JLN Auditorium, AIIMS, New Delhi

Time	Topic	Speaker
07:45-08:15	Registration	
08:15-09:00	Rapid Podium Presentations Judges: Rupinder Chahal, Lalit Sharma, Gurudip Das	
09:00-11:00	SESSION 1 – EARLY ONSET SCOLIOSIS Invited talks (Chairpersons: Dilip Sengupta, HS Chhabra, Rupinder Chahal, BD Chowdhury)	
09:00-09:10	Hemivertebra excision – surgical technique and avoidance of pitfalls	Vidyadhara S
09:10-09:20	Neuromuscular Scoliosis	Saumyajit Basu
09:20-09:30	Growing rod constructs	Abhay Nene
09:30-09:40	Apical growth control techniques	Alaa Azmi Ahmad
09:40-09:50	Early Onset Scoliosis in children aged less than 5 years	Muharrem Yazici
09:50-10:05	Discussion	
10:05-10:35	Case Presentations (10 minutes each – including discussion) Presenters: 1. Shailesh Hadgaonkar 2. Rajesh Parasnis 3. Rajat Mahajan	Panelists: Muharrem Yazici, Amol Rege, HJ Kim, Jwalant Mehta
10:35-11:00	PANEL DISCUSSION -I Growing Rod Graduation Protocol Moderators: Abhay Nene, Arjun Dhawale	Panelists: Ajoy Shetty, Upendra Bidre, K Appaji Krishnan, Niraj Vasavada, Tushar Rathod
11:00-13:15	SESSION 2 – IDIOPATHIC SCOLIOSIS Invited talks (Chairpersons: Shankar Acharya, Tushar Rathod, Kamran Farooque, Pankaj Kandwal)	
11:00-11:10	Derotation techniques	Jwalant Mehta
11:10-11:20	Translation manoeuvres	Ajoy Shetty
11:20-11:30	Vertebral body tethering	Sajan Hegde
11:30-11:40	Shoulder Imbalance in AIS surgery	Massimo Balsano
11:40-11:50	Hi-PoAD technique in adult idiopathic scoliosis	Ranjith Unnikrishnan
11:50-12:05	Discussion	
12:05-12:25	Case Presentations (10 minutes each – including discussion) Presenters: 1. K Appaji Krishnan 2. Subir Jhaveri	Panelists: Abhay Nene, CS Dhillon, Rajesh Parasnis, Massimo Balsano
12:25-12:50	PANEL DISCUSSION -I Management of scoliosis in ‘tweeners’ – A Dilemma Moderators: Shailesh Hadgaonkar, Vishal Kundnani	Panelists: Sajan Hegde, Mahesh Bijjawara, Samir Dalvie, Alaa Azmi Ahmad, Vidyadhara S
12:50-13:15	PANEL DISCUSSION -II Dealing with an IONM Alert during Scoliosis Surgery Moderators: Dhiraj Sonawane, Ajay Krishnan	Panelists: SPR Voleti, Mihir Bapat, Ranjith Unnikrishnan, Dilip Sengupta, Sanjeev Suratwala
13:15-13:45	Guest Lectures	TBC
13:45-14:45	Lunch	

4th AIIMS International Spine Deformity Course
(Day 3- 29th March, 2025, Saturday)
Venue: JLN Auditorium, AIIMS, New Delhi

Time	Topic	Speaker
14:45-16:15	SESSION 3 – CERVICAL SPINE DEFORMITY	
	Invited talks (Chairpersons: SS Kale, Vikas Tandon, Sunil Katoch, Manish Chadha)	
14:45-14:55	Setting the targets: Understanding cervical spine alignment parameters	J Naresh Babu
14:55-15:05	Craniovertebral junction deformity: Evaluation and surgical planning	SK Srivastava
15:05-15:15	Anterior approach to cervicothoracic junction: tips, tricks and pitfalls	Mihir Bapat
15:15-15:25	Posterior osteotomies in cervical spine	Upendra Bidre
15:25-15:35	Cervicothoracic deformities	Dilip Sengupta
15:35-15:55	Discussion	
15:55-16:15	Case Presentations (10 minutes each – including discussion)	
15:55-16:15	Case Presentations (10 minutes each – including discussion) Presenters: 1. Pankaj Kandwal 2. Dhiraj Sonawane	Panelists: Samir Dalvie, SPR Voleti, Vivek Tandon, Vishal Peshattiwar
16:15-17:40	SESSION 4 – ADULT SPINE DEFORMITY	
	Invited talks (Chairpersons: Kalidutta Das, Massimo Balsano, CS Dhillon, Vivek Tandon)	
16:15-16:25	Planning and executing a global sagittal imbalance correction	Jwalant Mehta
16:25-16:35	Planning and executing a sharp, angular kyphosis correction	Samir Dalvie
16:35-16:45	Lateral access surgery for adult spinal deformity	Ayush Sharma
16:45-16:55	Junctional complications in adult spinal deformity surgery	HJ Kim
16:55-17:05	Surgeons – the second victims of scoliosis complications	Ram Chadha
17:05 - 17:15	Bone Health Optimization in Adult Spinal Deformity Patients	Dr. Puneet Girdhar
17:15-17:30	Discussion	
17:30-17:50	Case Presentations (10 minutes each – including discussion)	
17:30-17:50	Presenters: 1. Ayush Sharma 2. Aju Bosco	Panelists: J Naresh Babu, Suresh Pillai, Lalit Sharma, Hitesh Garg
17:50-18:00	VALEDICTORY/GROUP PHOTO	

Organizing Committee



Prof. SS Kale
Patron



Prof. Ravi Mittal
Organizing Chairman



Prof. B. D. Chowdhury
Co-Organizing Chairman



Prof. Bhavuk Garg
Organizing Secretary



Dr. Vikrant Manhas
Co-Organizing Secretary



Dr. Nishank Mehta
Co-Organizing Secretary



Dr. Sahil Batra
Co-Organizing Secretary



Dr. Shrijith M B
Course Coordinator

Conference Secretariat

Room No. 5037, 5th Floor

Department of Orthopaedics, Teaching Block

All India Institute of Medical Sciences, New Delhi - 110029

Tel.: 91-11-26594322, 26593341

Email: aisdc2025@gmail.com; Website: www.aiims-aisdc.com