

## CONFERENCE ON SPINAL DEFORMITIES

Date; 5<sup>th</sup> to 7<sup>th</sup> October 2007

Venue: Auditorium, Indian Spinal Injuries Centre, New Delhi

**Day 1  
Friday, 5<sup>th</sup> October 2007**

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| 8:00 – 9:00<br>hrs   | Panel / Case Discussion – <b>Idiopathic Scoliosis - Type I / Type II Curve</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. Vishal Nigam</b></li> <li>• Panelists: <b>Dr. John Webb, Dr. Shankar Acharya, Prof. Arvind Jayaswal, Dr. Kamaldeep Momi</b></li> </ul>  |
| 9:00 –<br>10:00 hrs  | Guest Lectures<br><b>Chairperson – Prof. Arvind Jayaswal</b>   |
| 9:00 – 9:20<br>hrs   | Management of Chronic Post Traumatic Deformities of the spine <ul style="list-style-type: none"> <li>• <b>Dr. Patrick Kluger, Chief Spine Surgeon, Stoke Mandeville Hospital, UK</b></li> </ul>  |
| 9:20 –<br>10:00 hrs  | Techniques in Scoliosis Correction <ul style="list-style-type: none"> <li>• <b>Dr John Webb, Queens Medical Centre, Nottingham, UK</b></li> </ul>  |
| 10:00 –<br>10:10 hrs | Discussion   |
| 10:10 –<br>13:00 hrs | Live demonstration of Surgeries<br><b>OT – A – Dr. John Webb</b> <ul style="list-style-type: none"> <li>• Moderator: <b>Dr. Shankar Acharya</b></li> <li>• Panelists: <b>Dr. V.T. Ingalhalikar, Dr. S.M. Tuli, Prof. Arvind Jayaswal, Dr. K.V.Menon</b></li> </ul><br><b>OT – B – Dr. Patrick Kluger</b> <ul style="list-style-type: none"> <li>• Moderator: <b>Dr. Bipin Walia</b></li> <li>• Panelists: <b>Dr. Kamaldeep Momi, Col. V.S. Madan, Prof. S.S. Sangwan, Dr. Ashish Suri, Dr. S.S. Kale</b></li> </ul><br><b>Coordinators – Dr. Kalidutta Das, Dr. Vishal Nigam, Dr. Vikas Tandon, Dr. B. Mohapatra</b> |
| 13:00 –<br>13:45 hrs | Lunch  |
| 13:45 –<br>14:45 hrs | Panel / Case Discussion - <b>Idiopathic Scoliosis - Type III / Type IV Curve</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. Abhay Nene</b></li> <li>• Panelist: <b>Dr. John Webb, Dr. Shankar Acharya, Prof. Arvind Jayaswal, Dr. Saumyajit Basu</b></li> </ul>   |
| 14:45 –<br>16:05 hrs | Free paper Session – I<br><b>Judges: Dr. John Webb, Dr. V.T. Ingalhalikar, Dr. Patrick Kluger, Dr. Kamaldeep Momi, Dr. Julio Gallego</b>   |

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| 14:45 –<br>14:53 hrs | Pedicle Morphometry in patients with Adolescent Idiopathic Scoliosis <ul style="list-style-type: none"> <li>• <b>Dr. Pankaj Kandwal</b>, Dr. Bidre Upendra, Dr. Devkant Meena, Dr. Abrar Ahmed, Dr. Buddhadev Chowdhury, Prof. Arvind Jayaswal, Dept. of Orthopaedics, AIIMS, New Delhi.</li> </ul>  |
| 14:53-15:01<br>hrs   | Iso-c 3D navigation assisted pedicle screw placement in the deformed cervical and thoracic spine <ul style="list-style-type: none"> <li>• <b>Dr. Vijay Kamath</b>, Department of Orthopaedics and Spine Surgery, Ganga Hospital, Coimbatore, Tamil Nadu</li> </ul>   |
| 15:01-15:09<br>hrs   | Content-Based Image Retrieval of Scoliosis Images <ul style="list-style-type: none"> <li>• Dinesh Kumar V. P., Dr. Tessamma Thomas, <b>Dr. K. V. Menon</b>, Cochin, Kerala</li> </ul>  |
| 15:09-15:17<br>hrs   | ASSESSMENT OF PEDICULAR SCREW PLACEMENT IN SCOILOSIS <ul style="list-style-type: none"> <li>• <b>Dr. Upendra BN</b>, Dr. Lalit Sharma, Dr. Devkant Meena, Dr. B. Chowdhury, Dr. Abrar Ahmed, Prof. Arvind Jayaswal, Dept. of Orthopaedics, AIIMS, New Delhi</li> </ul>   |
| 15:17 –<br>15:25 hrs | Spinal loop rectangle and sublaminar wiring as a Technique for adolescent idiopathic scoliosis correction – an outcome analysis of 25 patients <ul style="list-style-type: none"> <li>• <b>Dr. Shailesh Hadgaonkar</b> Dr Shekhar Bhojraj, Dr. Raghuprasad Varma, Dr Abhay Nene, Lilavati Hospital and Medical Research Centre, Mumbai</li> </ul>                                      |
| 15:25-15:33<br>hrs   | Outcome study of anterior release with posterior instrumentation versus anterior instrumentation with posterior instrumentation in severe rigid scoliosis <ul style="list-style-type: none"> <li>• <b>Dr. Ajay Kumar V.</b>, Dr. Pankaj Kandwal, Dr. Upendra.B.N., Dr. Buddhadeb Chowdhury, Dr. Abrar Ahmed, Prof. Arvind Jayaswal, Dept. of Orthopaedics, AIIMS, New Delhi</li> </ul> |
| 15:33-15:41<br>hrs   | Management of Degenerative Scoliosis – the ISIC experience <ul style="list-style-type: none"> <li>• <b>Dr. Vishal Nigam</b>, Dr. H.S. Chhabra, Indian Spinal Injuries Centre, New Delhi</li> </ul>   |
| 15:41-15:49<br>hrs   | Outcome of Pulmonary function in patients undergoing surgical correction of scoliosis <ul style="list-style-type: none"> <li>• <b>Dr. Lalit Sharma</b>, Dr. Ajay Kumar. V, Dr. Upendra. B. N., Dr. Buddhadeb Chowdhury, Dr. Abrar Ahmed, Prof. Arvind Jayaswal, Dept. of Orthopaedics, AIIMS, New Delhi</li> </ul>   |
| 15:49-16:05<br>hrs   | <b>Discussions</b>   |
| 16:05 –<br>16:35 hrs | Inauguration   |
| 16:35 –<br>16:50 hrs | Tea Break  |
| 16:50 –<br>17:50 hrs | <b>Hands on Workshop</b> (delegates will be divided in three groups; each group will participate in the workshop of each of the three companies by rotation over the three days)   |
| 17:50-18:05<br>hrs   | Scoliosis & Spinal Pain <ul style="list-style-type: none"> <li>• <b>Dr. V.T. Ingalhalikar</b>, Consultant &amp; Surgeon for Spinal Affections, Thane, Maharashtra</li> </ul>   |
| 18:05 –<br>18:10 hrs | Discussion   |
| 18:10-19:05<br>hrs   | How I do it (Video demonstration)  |
| 18:10-18:18<br>hrs   | Ant. Scoliosis Correction & Instrumentation <ul style="list-style-type: none"> <li>• <b>Prof. Arvind Jayaswal</b>, Professor of Orthopaedics, AIIMS, New Delhi</li> </ul>  |
| 18:18-18:26<br>hrs   | Scoliosis Post. Correction & Instrumentation <ul style="list-style-type: none"> <li>• <b>Prof. Arvind Jayaswal</b>, Professor of Orthopaedics, AIIMS, New Delhi</li> </ul>   |

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| 18:26-18:34<br>hrs   | Anterior Correction and instrumentation in Idiopathic Scoliosis<br><ul style="list-style-type: none"> <li>• <b>Dr John Webb, Queens Medical Centre, Nottingham, UK</b></li> </ul>   |
| 18:34-18:42<br>hrs   | Kyphosis Correction in Children<br><ul style="list-style-type: none"> <li>• <b>Dr. H.S. Chhabra, Chief of Spine Service &amp; Medical Director, Indian Spinal Injuries Centre, New Delhi</b></li> </ul>                                 |
| 18:42-18:50<br>hrs   | Axial translation of spine to correct AIS using side opening pedicle screw construct<br><ul style="list-style-type: none"> <li>• <b>Dr. Saumyajit Basu, Spine Surgeon, Park Clinic &amp; Kothari Medical Center, Kolkata</b></li> </ul> |
| 18:50-19:05<br>hrs   | Discussions   |
| 19:05 hrs<br>onwards | Dinner  |

**CONFERENCE ON SPINAL DEFORMITIES**

**Date; 5<sup>th</sup> to 7<sup>th</sup> October 2007**

**Venue: Auditorium, Indian Spinal Injuries Centre, New Delhi**

**Day 2  
Saturday, 6<sup>th</sup> October 2007**

|                   |  |
|-------------------|--|
| 8:00 – 9:00 hrs   | Panel / Case Discussion – <b>Idiopathic Scoliosis - Type V Curve</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. Gautam Zaveri</b></li> <li>• Panelists: <b>Prof. Seil Suk, Dr. John Webb, Dr. Sajan Hegde, Dr. Abhay Nene, Dr. K.V. Menon</b></li> </ul>  |
| 9:00 – 10:00 hrs  | Guest Lectures<br><b>Chairperson: Mr. John Webb</b>  |
| 9:00 – 9:30 hrs   | Posterior Vertebral Column Resection for severe Spinal Deformities <ul style="list-style-type: none"> <li>• <b>Prof. Seil Suk, Emeritus Professor, Inje Univeristy, Sanggye Paik Hospital, Seoul, Korea</b></li> </ul>   |
| 9:30 – 10:00 hrs  | Pedicle Screw Fixation in Spinal Deformities<br><b>Prof. Seil Suk, Emeritus Professor, Inje University, Sanggye Paik Hospital, Seoul, Korea</b> <ul style="list-style-type: none"> <li>•</li> </ul>  |
| 10:00 – 10:10 hrs | Discussion   |
| 10:10 – 13:10 hrs | Live demonstration of Surgeries<br><b>OT – A – Prof. Seil Suk</b><br><b>Moderator: Dr. Gautam Zaveri</b><br><b>Panelists: Dr. John Webb, Dr. Sajan Hegde, Prof. Arvind Jayaswal</b><br><b>OT – B - Dr. Kamaldeep Momi,</b><br><b>Moderator: Dr. Abhay Nene</b><br><b>Panelists: Dr. Saumyajit Basu, Dr. Mihir Bapat, Dr. Samir Dalvie</b><br><b>Coordinators – Dr. Kalidutta Das, Dr. Vishal Nigam, Dr. Vikas Tandon, Dr. B. Mohapatra</b> |
| 13:10 – 14:00 hrs | Lunch  |
| 14:00 – 15:00 hrs | Panel / Case Discussion - <b>Low grade / high grade Isthmic Spondylolisthesis</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. Samir Dalvie</b></li> <li>• Panelists: <b>Dr. Gautam Zaveri, Dr. Raj Bahadur, Dr. K.V. Menon, Prof. Arvind Jayaswal, Dr. Patrick Kluger</b></li> </ul>   |
| 15:00 – 16:30 hrs | Free paper Session – II<br><b>Judges: Dr. John Webb, Prof. Seil Suk, Dr. V.T. Ingalhalikar, Dr. Patrick Kluger, Dr. Kamaldeep Momi, Dr. Julio Gallego, Dr. K.V. Menon</b>  |
| 15:00 –           | Revision of dorsal-lumbar pedicle screws causing neurological deficit: Technique & Experiences.  |

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| 15:08 hrs            | <ul style="list-style-type: none"> <li>• <b><u>Dr. Apurv Acharya</u></b>, Dr. M. M. Prabhakar, B. J. Medical College and Civil Hospital, Ahmedabad</li> </ul>   |
| 15:08 –<br>15:16 hrs | <p>Pott's spine, deformity management</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Salil Saha</u></b>, Punjab</li> </ul>  |
| 15:16 –<br>15:24 hrs | <p>Deformity correction in TB spine: Results of 68 patients</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Sanjay Dhar</u></b>, Mumbai</li> </ul>   |
| 15:24 –<br>15:32 hrs | <p>Evaluation of stand-alone anterior decompression and instrumentation for cervico-thoracic kyphosis</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Mihir Bapat</u></b>, Kshitij Chaudhary, Mumbai</li> </ul>  |
| 15:32 –<br>15:40 hrs | <p>Single Stage Posterior closing-opening wedge osteotomy for correction of severe spinal kyphosis</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Vijay Kamath</u></b>, Department of Orthopaedics and Spine Surgery, Ganga Hospital, Coimbatore, Tamil Nadu</li> </ul> |
| 15:40 –<br>15:48 hrs | <p>Pedicle subtraction osteotomy in complex deformities</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Mihir Bapat</u></b>, Kshitij Chaudhary, Mumbai</li> </ul>  |
| 15:48 –<br>15:56 hrs | <p>Posterior Column Reconstruction with autologous rib graft following en-bloc tumor excision</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Arvind G Kulkarni</u></b>, Atul Goel, Bombay Hospital, KEM Hospital, Lilavati Hospital, Mumbai</li> </ul>                  |
| 15:56 –<br>16:04 hrs | <p>Reduction of Adult Isthmic Spondylolisthesis – Our Experience</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Vikas Tandon</u></b>, Dr. H.S. Chhabra, Indian Spinal Injuries Centre, New Delhi</li> </ul>   |
| 16:04 –<br>16:12 hrs | <p>Vertical atlanto-axial index: a new craniovertebral radiological index</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Arvind G Kulkarni</u></b>, Atul Goel, Bombay Hospital, KEM Hospital, Lilavati Hospital, Mumbai</li> </ul>                                      |
| 16:12 –<br>16:30 hrs | Discussions   |
| 16:30 –<br>16:45 hrs | Tea Break   |
| 16:45 –<br>17:45 hrs | <b>Hands on Workshop</b> (delegates will be divided in three groups; each group will participate in the workshop of each of the three companies by rotation over the three days)  |
| 17:45 –<br>19:00 hrs | How I do it (Video demonstration)   |
| 17:45 –<br>17:53 hrs | <p>Pedicle Screw Fixation in Spinal Deformities</p> <ul style="list-style-type: none"> <li>• <b><u>Prof. Seil Suk</u></b>, Emeritus Professor, Inje Univeristy, Sanggye Paik Hospital, Seoul, Korea</li> </ul>  |
| 17:53-18:01<br>hrs   | <p>Minimally Access Posterior Instrumentation &amp; Interbody fusion for low grade spondylolisthesis</p> <ul style="list-style-type: none"> <li>• <b><u>Prof. Arvind Jayaswal</u></b>, Professor of Orthopaedics, AIIMS, New Delhi</li> </ul>                                   |
| 18:01 –<br>18:09 hrs | <p><b>Minimally Invasive Surgery for Degenerative Spondylolisthesis</b></p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Kamaldeep Momi</u></b>, MD, Coastal Spine, Mt. Laurel, NJ</li> </ul>   |
| 18:09 –<br>18:17 hrs | <p>Axial translation of spine to correct AIS using side opening pedicle screw construct</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Saumyajit Basu</u></b>, Spine Surgeon, Park Clinic &amp; Kothari Medical Center, Kolkata</li> </ul>                              |
| 18:17-18:25<br>hrs   | <p>Correction of Cervico Thoracic Kyhphosis in Ankylosing Spondylitis</p> <ul style="list-style-type: none"> <li>• <b><u>Dr. Sajan Hedge</u></b>, Consultant Orthopaedic Surgeon, Apollo Hospital, Chennai</li> </ul>   |
| 18:25-<br>18:33 hrs  | <p>Posterior Vertebral Column Resection for severe Spinal Deformities</p> <ul style="list-style-type: none"> <li>• <b><u>Prof. Seil Suk</u></b>, Emeritus Professor, Inje University, Sanggye Paik Hospital, Seoul,</li> </ul>  |

| <b>Korea</b>         |   |
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| 18:33 –<br>18:41 hrs | Kyhposis correction –<br><ul style="list-style-type: none"> <li>• <b>Dr. Mihir Bapat, P.D. Hinduja Hospital, Mumbai</b></li> </ul>  |
| 18:41 –<br>18:49 hrs | Anterior Surgery for Scoliosis Correction –<br><ul style="list-style-type: none"> <li>• <b>Dr. Sajan Hedge, Consultant Orthopaedic Surgeon, Apollo Hospital, Chennai</b></li> </ul> |
| 18:49-19:00          | Discussions   |
| 19:00 hrs<br>onwards | Dinner  |



**Day 3  
Sunday, 7<sup>th</sup> October, 2007**

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| 8:00 – 9:00 hrs   | Panel / Case Discussion - <b>Neuromuscular scoliosis</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. Surya Prakash Rao</b></li> <li>• Panelists: <b>Dr. Kamaldeep Momi, Dr. Sajan Hedge, Dr. Abhay Nene</b></li> </ul>   |
| 9:00 – 9:30 hrs   | Adult Deformity Correction with Multi Planar Adjustment Screws <ul style="list-style-type: none"> <li>• <b>Dr. Julio Gallego, MD, Group Director, Medical Education &amp; Training, International, Medtronic Spinal &amp; Biologics, Memphis, USA</b></li> </ul>                                   |
| 9:30 – 9:50 hrs   | Degenerative Lumbar Scoliosis <ul style="list-style-type: none"> <li>• <b>Dr. Kamaldeep Momi, MD, Coastal Spine, Mt. Laurel, NJ</b></li> </ul>   |
| 9:50 – 10:00 hrs  | Discussion   |
| 10:00 – 10:15 hrs | Tea Break  |
| 10:15 – 11:15 hrs | Panel / Case Discussion - <b>Congenital scoliosis</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. Saumyajit Basu</b></li> <li>• Panelists: <b>Dr. Surya Prakash Rao, Dr. Samir Dalvie, Prof. Arvind Jayaswal</b></li> </ul>  |
| 11:15 – 12:15 hrs | Panel / Case Discussion - <b>Angular kyphosis</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. Mihir Bapat</b></li> <li>• Panelists: <b>Dr. Surya Prakash Rao, Dr. Samir Dalvie, Dr. Anil Jain, Dr. H.S. Chhabra</b></li> </ul>   |
| 12:15 – 13:15 hrs | Panel / Case Discussion - <b>Rounded kyphosis</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. Shankar Acharya</b></li> <li>• Panelists: <b>Dr. Kamaldeep Momi, Dr. Sajan Hedge, Dr. Mihir Bapat</b></li> </ul>   |
| 13:15 – 14:00 hrs | Lunch  |
| 14:00 – 15:00 hrs | Panel / Case Discussion – <b>Degenerative Spondylolisthesis</b> <ul style="list-style-type: none"> <li>• Moderator – <b>Dr. H.S. Chhabra</b></li> <li>• Panelists: <b>Dr. Rushma Tandon, Dr. Gautam Zaveri, Dr. Saumyajit Basu, Dr. K.V. Menon, Prof. S.S. Sangwan, Col H.S. Bhatoe</b></li> </ul> |
| 15:00 – 16:00 hrs | How I do it (Video demonstration)  |
| 15:00 – 15:08 hrs | Kyphosis Correction <ul style="list-style-type: none"> <li>• <b>Dr. Shankar Acharya, Consultant Spine Surgeon, Sir Gangaram Hospital, New Delhi</b></li> </ul>   |
| 15:08 – 15:16 hrs | Anterior release and posterior instrumentation / correction in scoliosis <ul style="list-style-type: none"> <li>• <b>Dr. Gautam Zaveri, Consultant Spine Surgeon, Zaveri Clinic, Mumbai.</b></li> </ul>  |
| 15:16 – 15:24 hrs | Correction of post tubercular kyphotic deformity using Hartshill instrumentation <ul style="list-style-type: none"> <li>• <b>Prof. Anil Jain, Prof. Of Orthopaedics, UCMS and GTB hospital, New Delhi</b></li> </ul>   |
| 15:24 – 15:32 hrs | Thoracoscopic Anterior release & Posterior surgery in Scoliosis <ul style="list-style-type: none"> <li>• <b>Dr. Yash Gulati, Sr. Orthopaedic &amp; Spine Surgeon, Apollo Hospital, New Delhi</b></li> </ul>  |
| 15:32 – 15:40 hrs | Management of Cranio Vertebral Deformities <ul style="list-style-type: none"> <li>• <b>Dr. Sharad Shashank Kale, Assistant Professor, Neurosurgery, AIIMS, New Delhi</b></li> </ul>  |
| 15:40 – 15:48     | Spondylolisthesis Correction by Minimal Access Surgery   |

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|                   | • <b>Dr. Sarat P. Chandra, Consultant Neurosurgery, AIIMS, New Delhi</b>   |
| 16:00 – 16:30 hrs | Tea Break  |
| 16:30 – 17:30 hrs | <b>Hands on Workshop</b> (delegates will be divided in three groups; each group will participate in the workshop of each of the three companies by rotation over the three days) |

**Poster Presentation**

**Judges: Dr. John Webb, Prof. Seil Suk, Dr. V.T. Ingalhalikar,  
Prof. Arvind Jayaswal, Dr. Patrick Kluger, Dr. Kamaldeep Momi,  
Dr. Julio Gallego, Dr. K.V. Menon**

| S.No. | Name of the faculty                             | Topic of talks   |
|-------|---|--|
| 1.    | <b>Dr Hari Menon</b>                            | EVALUATION OF POSTEROLATERAL FUSION FOLLOWING GRAFT HARVESTING BY TWO DIFFERENT TECHNIQUES       |
| 2.    | <b>Dr. S.B.Mohite</b> , Dr. Shailesh Hadgaonkar | <i>SPINAL DEFORMITIES IN NEUROFIBROMATOSIS</i>   |
| 3.    | <b>Dr. Vijay Kamath</b>                         | Computer navigation in osteoid osteoma   |
| 4.    | <b>Prof. S.S. Sangwan</b>                       | Spinal Deformity correction by Harrington Instrumentation  |
| 5.    | <b>Dr. Vishal Nigam</b>                         | Results of Kyphoplasty and MAPD in post osteoporosis kyphotic complicating lumbar canal stenosis |

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