

---

**Dr. Hitesh N. Modi, MS (Ortho), PhD (Spine)**

---

Senior Consultant- Spine Surgery

Fellowships in Spine Surgery Canada, Hong Kong, South Korea and India (8-years)

Phone: (M) +91-8000014464, (R) +91-8758814464, 079-26927008

E-mail: modispine@yahoo.co.in

---

**Primary Address for Correspondence**

---

**Hospital Address****ZYDUS HOSPITAL**

SG Highway, Thaltej Hebatpur roads, Near Sola Overbridge,  
Ahmedabad-380054, Gujarat, India

**Residence Address**

B 62 Mayfair Apartment, Besides D-Mart, Near Shivranjani Cross roads,  
Satellite, Ahmedabad- 380015, Gujarat, India

**Objectives**

To achieve excellence in the field of spinal surgery and to develop expertise in scoliosis and minimally invasive spine surgery.

To continue further spinal research and academic position.

**Education**

1999, M.B.B.S. The MS University of Baroda, Gujrat, India

2003, M.S. (Ortho) The MS University of Baroda, Gujarat, India

2010, Ph.D. (Spinal shortening) Korea University, Seoul, South Korea.

---

**Current Positions**

---

**Sr. Consultant-Spine Surgery:** Zyduz Hospital, Ahmadabad, India

**Honorary Spine Surgeon:** V.S. Hospital, NHL Medical College, Gujarat Uni., Ellisbridge, Ahmadabad, India

---

**Fellowships / Grants**

---

- July 2010-June 2011: **AO Spine North America Clinical Fellowship**  
Toronto Western Hospital, Krembil Neuroscience Centre, Toronto, Canada (Prof. Micheal Fehlings, Dr. Stephen Lewis, Dr. Raja Rampersaud, Dr. Eric Massicotte)
- Jan 2010-June 2010: **Honorary Clinical Associate in Spine Surgery**  
Duchess of Kent Children Hospital, University of Hong Kong (Prof. KDK Luk, Prof. KMC Cheung)
- July 2009-Dec 2009: **Clinical & Research Fellowship in Endoscopic and Minimally Invasive Spine Surgery**  
Wooridul Spine Hospital, Seoul, South Korea (Dr. Gun Choi)

- Feb 2007-July 2009: **Clinical & Research Fellowship in Scoliosis Surgery**  
Scoliosis Research Institute, Korea University Guro Hospital, Seoul, South Korea (Prof. Seung Woo Suh)
- Jan 2006: **Fellowship Minimally Invasive Spine Surgery**  
Chonnam National Uni. Hospital, Gwangju, South Korea (Prof. Jae-Young Chung)
- Nov 2003-April 2006: **Fellowship Spine Surgery**  
Sterling Hospital, Ahmedabad (Dr. Bharat R. Dave) and Stavva Spine Hospital, Ahmedabad

---

#### **Awards & Achievements**

---

- 2010, Sept 21-24: **Russell A. Hibb's Award winner- Scoliosis Research Society**  
2010 45<sup>th</sup> Annual Meeting, Kyoto, Japan. Basic science category for paper “ Effect of Spinal Shortening on Motor-Evoked Potentials causing Spinal Cord Injury and on Spinal Cord Blood Flow”
- 2008, Oct 16-18: 52<sup>nd</sup> Fall Congress of Korean Orthopedic Association; Seoul, Korea. **Best paper publication award by KOA for 2008 CORR paper.**
- 2008, 4<sup>th</sup> April: 25<sup>th</sup> Conference of Korean Society of Spine Surgery, Seoul, South Korea- “ Posterior Multilevel Vertebral Osteotomy for Severe and Rigid Scoliosis- a Preliminary Study” - Paper presentation declared as “ **Best Paper**” .
- 1994: Higher Secondary School Certificate Examination (Conducted by Gujarat Secondary Education Board, Gandhinagar) passed with **3<sup>rd</sup> rank in Gujarat state.**
- 1992: New Secondary School Certificate Examination (Conducted by Gujarat Secondary Education Board, Gandhinagar) passed with **3<sup>rd</sup> rank in Gujarat state.**

#### **Positions Held**

- March 2015 onwards- **Sr. Consultant**, Department of Spine Surgery, Zydus Hospital, Ahmedabad
- July 2011- March 2015- **Director**, IndiaSpine™ Hospital, Memnagar, Ahmedabad
- April 2013- February 2015- **Consultant** Spine Surgeon, Department of Spine Surgery, Narayana Multispecialty Hospital, Rakhiyal, Ahmedabad
- May 2013 onwards- Honorary Spine Surgeon, Department of Orthopedics, VS General Hospital, NHL Medical College, Ahmedabad,
- April 2010-March 2011- Clinical **Research Professor** at Korea University. Associated at Scoliosis Research Institute, Korea University Guro Hospital with Prof. Seung-Woo Suh.
- Nov 2004-April 2006: **Associate Spine Surgeon “ Stavva” Spine Research Institute and Spine Hospital**, Ahmedabad, India (Dr. Bharat R. Dave)

Running outpatient clinic for spine patients, take ward rounds, perform and assist spinal surgeries, and research activities

- May 2006-Jan 2007: Consultant Orthopedic and Spine Surgeon “ Nirmal” Hospitals Pvt. Ltd., Surat, India

Running outpatient clinic for spine and orthopedic patients, take ward rounds, perform spinal and orthopedic surgeries.

- June 2006-January 2007: As a Faculty in dept of Physiotherapy of Swaminarayan Physiotherapy college at Surat was responsible for taking Orthopedics classes for students and conducting exams.

---

### **Publications**

More than eighty-five (85) publications (including research papers, clinical and basic science researcher well as review articles) published in peer-reviewed well-known international journals done by Dr. Hitesh Modi.

I am still working on few more research articles. (See annexure)

---

### **Conference Presentations**

I have presented more than sixty (60) podium presentations in various national and international conferences and workshops as a primary author and co-author.

---

### **Workshops and Conferences Attended**

1. GOA meeting 8-3-15, at Novotel, Ahmedabad
2. GSA Meeting with CME at Jamnagar 14-15 Feb 2015. Irvin Hospital, Jamnagar.
3. ASSICON 2015 22-15 Jan 2015. Pune, India
4. MISSICON 2014- 22-23 Nov 2014, EastIn Ahmedabad. 1<sup>st</sup> National conference of minimally spine surgery as an Organizing committee.
5. GOA Con- 7-9 Feb, 2014 Ahmedabad YMCA. As an organizing committee.
6. Advanced Spine Surgery-MAST, Cadaver workshop- Medtronic. Sept 14-15, MS Ramaiah advanced skill cadaver lab, Bangalore.
7. GSA Annual Meeting on Lumbar spine surgery complications with lecture. 5-5-13 at Inder Residency, Ahmedabad.
8. GSA and Polio Foundation Live Spinal Deformity surgical course with Lecture Jan 13, 2013; Ahmedabad,
9. GSA Con Annual Meeting July 9<sup>th</sup> 2012, Hotel Royal Orchid, Ahmedabad.
10. Video Operative Spine Course 8<sup>th</sup> July, 2012, Ahmedabad. As Faculty.
11. ASSI Con Feb 2012, New Delhi.
12. IOA Con Dec 8-11, 2011 New Delhi.
13. 6th Annual Canadian Contemporary Spinal Techniques Course May 27, 2011 at the

Mount Sinai Surgical Skills Lab. Cadaver workshop for C1 lateral mass, C2, C7 pedicle screw, C1-2 transarticular fixation, Thoracic PSO, Percutaneous thoracolumbar longitude fixation and percutaneous lumbar pedicle screw fixation with sextant.

14. AOSNA Annual Fellows Forum March 31-April 3 2011, Banff, Alberta, Canada.
15. NASS Annual meeting. 5-9 October, 2010, Orlando, FL, USA.
16. SRS Annual meeting 21-24 September, 2010, Kyoto, Japan.
17. AO spine advance spine techniques and fellow forum. 19-22 August, 2010, Chicago, IL, USA.
18. 17<sup>th</sup> IMAST 2010, July 22-24, Toronto, Canada.
19. AAOS 2010, New Orleans, USA. March 9-13. American Academy of Orthopaedic Surgeons.
20. 22-23<sup>rd</sup> July, 2009. Advanced Spine Techniques, Medtronic Cadaveric Hands on Workshop. Catholic Hospital, Seoul, Korea.
21. 16<sup>th</sup> IMAST July 15-18 2009, Vienna, Austria.
22. 26<sup>th</sup> Conference of Korean Society of Spine Surgery. 29-31<sup>st</sup> May 2009. YongPyoung, South Korea.
23. Spine Research Forum. 8<sup>th</sup> Nov 2008; Seoul, Korea.
24. 2<sup>nd</sup> APCSS (Asia Pacific Cervical Spine Symposium) Nov 6-7, 2008; Seoul, Korea.
25. 52<sup>nd</sup> Fall Congress of Korean Orthopaedic Association; Seoul, Korea Oct 16-18, 2008. (CORR paper declared as best published paper by KOA)
26. SRS, New Delhi World Wide Regional Conference Oct 2-4, 2008; India.
27. 15<sup>th</sup> IMAST July 8-11 2008, Hong Kong. Attended Instructional Course Lecture Series by Scoliosis Research Society.
28. Grand conference Korea University June 30 2008; Guro, Seoul, South Korea.
29. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.
30. Spine Week 26-31<sup>st</sup> May 2008, Geneva, Switzerland.
31. American Thoracic Society conference 16-21<sup>st</sup> May 2008, Toronto, Canada.
32. Asia Pacific Spine Symposium 3-5<sup>th</sup> May 2008, Chaingmai, Thailand.
33. Dr Ruetten Live Endoscopic Spine Surgery conference April 26<sup>th</sup> 2008, Seongmo Catholic Hospital, Seoul, Korea.
34. Korea Orthopaedic Association conference 16<sup>th</sup>-19<sup>th</sup> April 2008, Daegu, Korea.
35. 25<sup>th</sup> Conference of Korean Society of Spine Surgery April 4<sup>th</sup>, Hilton Hotel, Seoul, South Korea.
36. Grand conference Korea University March 9 2008; Anam, Seoul, South Korea.



37. Grand conference Korea University Jan 12 2008; Guro, Seoul, South Korea.
38. 24<sup>th</sup> Conference of Korean Society of Spine Surgery Dec 1 2007, Hilton Hotel, Seoul, Korea.
39. Spine Arts and Disorders conference 3<sup>rd</sup> Nov 2007- Seoul, Korea
40. APOA 2007- Sept 10-13 at Seoul, South Korea. 1<sup>st</sup> APCSR (Asia pacific cervical spine research society) Nov 1-2, Seoul, Korea
41. 2-6-2007 attended Korea University Grand Conference at Guro Hospital
42. 1-6-2007 attended Korean Paediatric Orthopaedic Society conference at Daegu
43. 25&26-5-2007 attended Korean Spine Society conference at Daegu
44. 14-4-2007 attended Korea University Grand Conference at Guro Hospital
45. 12-5-2007 attended Korea University Grand Conference at Anam Hospital
46. 10<sup>th</sup> Feb attended 1<sup>st</sup> conference of Cervical Spine Research Society of Asia Pacific zone at Dae-Jung, South Korea
47. 26<sup>th</sup> Jan -28<sup>th</sup> Jan attended ASSICON 2007 held by association of spine surgeon of India at Ahmedabad
48. 26<sup>th</sup> Jan attended advance course of posterior cervical fixation in ASSICON 2007 at Ahmedabad held by Depuy Spine India
49. 10<sup>th</sup> Oct 2006 attended workshop on Endoscopic Spine surgery at Baroda
50. 7<sup>th</sup> sept 2006 Attended GSA conference at Sterling Hospital , Ahmedabad
51. 6<sup>th</sup> Feb 2006- GSA conference on my worst case in spine
52. 8<sup>th</sup> may 2005 – AO Spine Course participation at Mumbai
53. 24<sup>th</sup> April 2005 – Attended conference on live surgery of Endoscopic lumbar discectomy at paraplegia hospital Ahmedabad.
54. 27<sup>th</sup> march 2005 GSA Annual Conference. – Ahmedabad, Gujarat, India.
55. 5-6<sup>th</sup> Feb 2005 – GOA Conference Rajkot, Gujarat, India.
56. 25<sup>th</sup> – 28<sup>th</sup> Nov.2004- Course on ‘ Understanding of Lumbar Spine & its care “ Mumbai by Prof V T Ingalthalikar.
57. 10<sup>th</sup> Oct 2004 – AO Spine Course participation at Mumbai.
58. 18<sup>th</sup> July 2004- GSA midyear meet attended at Ahmedabad with Live Surgery on Endoscopic Discectomy
59. 16<sup>th</sup> Oct 2003- GSA Conference attended at Ahmedabad
60. Sept 2003 – GOA midyear meet with JESS workshop at Mehsana
61. Feb 2003 – 8<sup>th</sup> West Zone Post Graduate Instructional Course, Indore.
62. Dec 2002- Workshop on JESS by Baroda Orthopaedic Association, Baroda
63. Sept. 2002- Workshop on closed Interlock Femur Nailing, organized by Baroda

---

## References

---

1. **Dr. Bharat R. Dave**, M.S.(Ortho), MCh(UK) Consultant spine surgeon, “ Stavya” Spine hospital, Ellis bridge, Near Nagari Eye Hospital, Ahmedabad Ph: 079-26565757 E-Mail: [brd\\_172@yahoo.com](mailto:brd_172@yahoo.com)
2. **Dr. Paresh P. Golwala**, M.S.(Ortho); Prof. and Head of the dept, Dept of Orthopaedics, Dhiraj General Hospital & S.B.K.S. Medical College, Pipariya, Waghodia, Vadodara, Gujarat, India Ph: +91-265-2438201 Email: [dr\\_golwala@hotmail.com](mailto:dr_golwala@hotmail.com); Ph +91-98242-80203
3. **Prof. Seung Woo Suh**, MD, PhD; Scoliosis Research Institute, Head of the Dept of Orthopaedics, Korea University Guro Hospital, # 80 Guro-Dong, Guro-Gu, Seoul, South Korea Ph: +80-010-2500-7878 E-Mail: [spine@korea.ac.kr](mailto:spine@korea.ac.kr)
4. **Prof. Michael G. Fehlings**, MD, PhD, FRCSC; Director of neuroscience Program, University of Toronto, Mclaughlin Scholar in Molecular Medicine, Krembil Chair in Neural Repair and regeneration, Director, University of Toronto Neuroscience Program, Medical Director, Krembil Neuroscience Program, Head, Spinal Program, Toronto Western Hospital, University Health Network, Toronto, ON, Canada. E-mail: [Michael.Fehlings@uhn.on.ca](mailto:Michael.Fehlings@uhn.on.ca)
5. **Dr. Eric M. Massicotte** MD, MSc, FRCSC Associate Professor University of Toronto, Spine Fellowship Coordinator, Staff Neurosurgeon, Toronto Western Hospital, 4th Floor West Wing, Suite 432, 399 Bathurst St., Toronto, ON, M5T 2S8, (tel.) 416 603-5675 E-mail: [Eric.Massicotte@uhn.on.ca](mailto:Eric.Massicotte@uhn.on.ca)
6. **Prof Do-Heum Yoon**, MD, PhD; Prof and Chairman, Chief Spinal Neurosurgery, Department of Neurosurgery, Yonsei University College of Medicine, 250 Seongsanno, Seodaemun, Seoul, Korea, Ph: +82-2-2228-2157 Mobile +82-10-4705-0380, Email: [ydoheum@yumc.yonsei.ac.kr](mailto:ydoheum@yumc.yonsei.ac.kr)
7. **Prof. Hae-Ryong Song**, MD, PhD; Rare Disease Institute, Dept of Orthopaedics, Korea University Guro Hospital, #80 Guro-Dong, Guro-Gu, Seoul, South Korea Ph: +82-2-818-6051-5 Email: [songhae@korea.ac.kr](mailto:songhae@korea.ac.kr)

---

## Fields of Interest and expertise

---

Spine surgery- Spinal deformity, minimally invasive spine surgeries, cervical spine surgeries, spinal arthroplasty, Spine research- Spinal cord trauma, spinal shortening research

---

## Professional Organizations Membership

---

1. AO Spine International (paid membership) no 12770
2. Association of Spine surgeons of India LM-050

3. Indian Medical Association LM 16273
4. Indian Orthopedic Association no- LM 7215
5. Indian Society of Spinal Cord Injury
6. Gujarat Orthopedic Association no LM-450
7. Gujarat Spine Association LM 211
8. Baroda Orthopedic Association
9. Ahmedabad Orthopedic Association
10. South Gujarat Orthopedic Association

### **Languages**

English, Gujarati, Hindi- Fluent in Reading, writing and speaking  
Korean- basic in reading, writing and speaking

### **Volunteer Experience**

- Actively involved in management of victims of Gujarat Earth Quake in January 2001 in SSG Hospital, Baroda & Rehabilitation Camps at Kachh Bhuj (Rapar and Anjar)
- Gained experience of surgical management and psychosocial rehabilitation of Gujarat riots -2002 victims including massive gun shot and bomb – blast injuries.
- Actively involved in relief work at Orissa Cyclone affected victim during 1999, November 3<sup>rd</sup> to 17<sup>th</sup>

### **Computer Skills**

MS word, PowerPoint, Excel, Access, Adobe Professional, Adobe Photoshop, Endnote, SPSS.

**Dr. Hitesh N. Modi, MS PhD**

## Annexure

### Publications

1. [Analysis of diaphragmatic movement before and after pulmonary rehabilitation using fluoroscopy imaging in patients with COPD.](#) Chun EM, Han SJ, **Modi HN**. Int J Chron Obstruct Pulmon Dis. 2015 Jan 27;10:193-9.
2. [Effect of posterior multilevel vertebral osteotomies on coronal and sagittal balance in fused scoliosis deformity caused by previous surgery: preliminary results.](#) Yang JH, Suh SW, Cho WT, Hwang JH, Hong JY, **Modi HN**. Spine (Phila Pa 1976). 2014 Oct 15;39(22):1840-9. PMID:25299167 [PubMed - in process]
3. [Multiaxial high-modularity spinopelvis \(HMSP\) fixation device in neuromuscular scoliosis: a comparative study.](#) Hwang JH, **Modi HN**, Suh SW, Yang JH, Hong JY. Eur Spine J. 2013 Dec 18. [Epub ahead of print]
4. [Does delaying surgery in immature adolescent idiopathic scoliosis patients with progressive curve, lead to addition of fusion levels?](#) Yang JH, Bhandarkar AW, Rathanelu B, Hwang JH, Hong JY, **Modi HN**, Suh SW. Eur Spine J. 2014 Jun 20. [Epub ahead of print]
5. [Changes in the spinopelvic parameters of elite weight lifters.](#) Yang JH, Barani R, Bhandarkar AW, Suh SW, Hong JY, **Modi HN**, Yang JH. Clin J Sport Med. 2014 Jul;24(4):343-50. doi: 10.1097/JSM.0000000000000094.
6. [Short apical rib resections thoracoplasty compared to conventional thoracoplasty in adolescent idiopathic scoliosis surgery.](#) Yang JH, Bhandarkar AW, **Modi HN**, Park SY, Cha JM, Hong JY, Suh SW. Eur Spine J. 2014 Apr 10. [Epub ahead of print]
7. [Effects of vertebral column distraction on transcranial electrical stimulation-motor evoked potential and histology of the spinal cord in a porcine model.](#) Yang JH, Suh SW, **Modi HN**, Ramani ET, Hong JY, Hwang JH, Jung WY. J Bone Joint Surg Am. 2013 May 1;95(9):835-42, S1-2.
8. [Clinical results of XMR-assisted percutaneous transforaminal endoscopic lumbar discectomy.](#) Choi G, **Modi HN\***, Prada N, Ahn TJ, Myung SH, Gang MS, Lee SH. J Orthop Surg Res. 2013 May 25;8:14.
9. [Intraoperative airway obstruction in a Duchenne muscular dystrophy patient.](#) Yang JH, Bhandarkar AW, Lim BG, **Modi HN**, Suh SW. Eur Spine J. 2013 May;22 Suppl 3:S491-6.



10. [Analysis of factors that affect shoulder balance after correction surgery in scoliosis: a global analysis of all the curvature types.](#) Hong JY, Suh SW, **Modi HN**, Yang JH, Park SY. *Eur Spine J.* 2013 Jun;22(6):1273-85.
11. [A new mechanism of injury in ankylosing spondylitis: Non-traumatic hyperextension causing atlantoaxial subluxation.](#) Samartz D, **Modi HN**, Luk KDK, Cheung KM. *Bone Joint J.* 2013 Feb;95-B(2):206-9.
12. [Centroid method: an alternative method of determining coronal curvature in scoliosis. A comparative study versus Cobb method in the degenerative spine.](#) Hong JY, Suh SW, **Modi HN**, Lee JM, Park SY. *Spine J.* 2013 Apr;13(4):421-7.
13. [Isolated Percutaneous Thoracoplasty Procedure for Skeletally Mature Adolescent Idiopathic Scoliosis Patients, With Rib Deformity as Their Only Concern: Short-term Outcomes.](#) Yang JH, Bhandarkar AW, Kasat NS, Suh SW, Hong JY, **Modi HN**, Hwang JH. *Spine (Phila Pa 1976).* 2013 Jan 1;38(1):37-43.
14. [Paraganglioma in the cauda equina. A case report.](#) Hong JY, Hur CY, **Modi HN**, Suh SW, Chang HY. *Acta Orthop Belg.* 2012 Jun;78(3):418-23.
15. [Analysis of dural sac thickness in human spine-cadaver study with confocal infrared laser microscope.](#) Hong JY, Suh SW, Park SY, **Modi HN**, Rhyu IJ, Kwon S, Yu H, Byun J. *Spine J.* 2011 Dec;11(12):1121-7.
16. [Effect of soft tissue thickness over the posterior border of the vertebral body and disc space on cage placement during posterior lumbar interbody fusion: A cadaveric study.](#) Yang JH, Kasat NS, Whang JH, Kim MK, Min KW, Hong JY, **Modi HN**, Suh SW. *Clin Anat.* 2012 Nov;25(8):1066-73.
17. [The effects of spinal cord injury induced by shortening on motor evoked potentials and spinal cord blood flow: an experimental study in Swine.](#) **Modi HN**, Suh SW, Yang JH, Hong JY. *J Bone Joint Surg Am.* 2011 Oct 5;93(19):1781-9.
18. [Correlation between facial asymmetry, shoulder imbalance, and adolescent idiopathic scoliosis.](#) Hong JY, Suh SW, **Modi HN**, Yang JH, Hwang YC, Lee DY, Hur CH, Park JH. *Orthopedics.* 2011 Jun 14;34(6):187.
19. [Changes in level of the conus after corrective surgery for scoliosis: MRI-based preliminary study in 31 patients.](#) Hong JY, Suh SW, Park JH, Hur CY, Hong SJ, **Modi HN**. *Clin Orthop Surg.* 2011 Mar; 3(1):24-33.
20. [Does lateral vertebral translation correspond to Cobb angle and relate in the same way to axial vertebral rotation and rib hump index? A radiographic analysis on idiopathic scoliosis.](#) Easwar TR, Suh SW, Hong JY, Yang JH, **Modi HN**. *Eur Spine J.* 2011 Jul; 20(7):1095-105.

21. [Idiopathic scoliosis in Korean schoolchildren: a prospective screening study of over 1 million children.](#) Suh SW, **Modi HN**, Yang JH, Hong JY. *Eur Spine J.* 2011 Jul;20(7):1087-94.
22. [Evaluation of the three-dimensional deformities in scoliosis surgery with computed tomography: efficacy and relationship with clinical outcomes.](#) Hong JY, Suh SW, Eswar TR, **Modi HN**, Yang JH, Park JH. *Spine (Phila Pa 1976).* 2011 Sep 1;36(19):E1259-65.
23. [Analysis of sagittal spinopelvic parameters in achondroplasia.](#) Hong JY, Suh SW, **Modi HN**, Park JW, Park JH. *Spine (Phila Pa 1976).* 2011 Aug 15;36(18):E1233-9.
24. [Spontaneous regression of curve in immature idiopathic scoliosis - does spinal column play a role to balance? An observation with literature review.](#) **Modi HN**, Suh SW, Yang JH, Hong JY. *J Orthop Surg Res.* 2010 Nov 4;5:80.
25. [Centroid method: reliable method to determine the coronal curvature of scoliosis: a case control study comparing with the Cobb method.](#) Hong JY, Suh SW, **Modi HN**, Hur CY, Song HR Ryu J-H. *Spine* 2011 Jun;36(13):E855-61.
26. [Surgical correction of paralytic neuromuscular scoliosis with poor pulmonary functions.](#) **Modi HN**, Suh SW, Hong JY, Park YH, Yang JH. *J Spinal Disord Tech.* 2011 Jul;24(5):325-33.
27. [Intraoperative blood loss during different stages of scoliosis surgery: A prospective study.](#) **Modi HN**, Suh SW, Hong JY, Song SH, Yang JH. *Scoliosis.* 2010 Aug 7;5:16.
28. [Magnetic resonance imaging study determining cord level and occupancy at thoracolumbar junction in achondroplasia - A prospective study.](#) **Modi HN**, Suh SW, Hong JY, Yang JH. *Indian J Orthop.* 2011 Jan;45(1):63-8.
29. [Epidural cement leakage through pedicle violation after balloon kyphoplasty causing paraparesis in osteoporotic vertebral compression fractures - a report of two cases.](#) Park SY, **Modi HN\***, Suh SW, Hong JY, Noh W, Yang JH. *J Orthop Surg Res.* 2010 Aug 6;5:54. Highly Accessed
30. [Posterior multilevel vertebral osteotomy for severe and rigid idiopathic and nonidiopathic kyphoscoliosis: a further experience with minimum two-year follow-up.](#) **Modi HN**, Suh SW, Hong JY, Yang JH. *Spine (Phila Pa 1976).* 2011 Jun 15;36(14):1146-53.
31. [Reliability analysis for radiographic measures of lumbar lordosis in adult scoliosis: a case-control study comparing 6 methods.](#) Hong JY, Suh SW, **Modi HN**, Hur CY, Song HR. *Eur Spine J.* 2010 Sep;19(9):1551-7.
32. [Percutaneous endoscopic lumbar herniectomy for high-grade down-migrated L4-L5](#)

- [disc through an L5-S1 interlaminar approach: a technical note.](#) Choi G, Prada N, **Modi HN\***, Vasavada NB, Kim JS, Lee SH. Minim Invasive Neurosurg. 2010 Jun;53(3):147-52.
33. [Postoperative spinal epidural hematoma after microscopic lumbar decompression: a prospective magnetic resonance imaging study in 89 patients.](#) **Modi HN**, Lee DY, Lee SH. J Spinal Disord Tech. 2011 May;24(3):146-50.
  34. [Risk of developing seizure after percutaneous endoscopic lumbar discectomy.](#) Choi G, Kang HY, **Modi HN\***, Prada N, Rodrigo JN, Joh JY, Woei JP, Lee SH. J Spinal Disord Tech. 2011 Apr;24(2):83-92.
  35. [The prevalence and radiological findings in 1347 elderly patients with scoliosis.](#) Hong JY, Suh SW, **Modi HN**, Hur CY, Song HR, Park JH. J Bone Joint Surg Br. 2010 Jul;92(7):980-3.
  36. [Transcorporeal tunnel approach for unilateral cervical radiculopathy: a 2-year follow-up review and results.](#) Choi G, Arbatti NJ, **Modi HN**, Prada N, Kim HJ, Myung SH, Lee SH. Minim Invasive Neurosurg. 2010 Jun;53(3):127-31.
  37. [Accuracy of thoracic pedicle screw using ideal pedicle entry point in severe scoliosis.](#) **Modi HN**, Suh SW, Hong JY, Yang JH. Clin Orthop Relat Res. 2010 Jul;468(7):1830-7.
  38. [False negative and positive motor evoked potentials in one patient: is single motor evoked potential monitoring reliable method? A case report and literature review.](#) Hong JY, Suh SW, **Modi HN**, Hur CY, Song HR. Spine (Phila Pa 1976). 2010 Aug 15;35(18):E912-6.
  39. 'Response to Dr. Haghighi'. **Modi HN**, Suh SW, Hong JY, Yang JH. *Spine*. 2010 BRS203655 -Accepted under publication.
  40. 'Reply to Letter to editor: False negative Transcranial Motor Evoked Potentials (Tc-MEP) during scoliosis surgery causing paralysis'. **Modi HN**, Suh SW, Hong JY, Yang JH. *Spine*. 2010 BRS203654-Accepted under publication.
  41. 'Reply to comment suggesting erroneous claim of false-negative transcranial motor evoked potential'. **Modi HN**, Suh SW, Hong JY, Yang JH. *Spine*. 2010 BRS203653-Accepted under publication.
  42. [Maggot debridement therapy for postsurgical wound infection in scoliosis: a case series in five patients.](#) Hwang JH, **Modi HN**, Suh SW, Hong JY, Yang JH, Park JH. Spine (Phila Pa 1976). 2011 Feb 15;36(4):313-9.
  43. [Reliability of lumbar lordosis measurement in patients with spondylolisthesis: a case-control study comparing the Cobb, centroid, and posterior tangent methods.](#) Hwang

JH, Modi HN, Suh SW, Hong JY, Park YH, Yang JH, Park JH. Spine (Phila Pa 1976). 2010 Aug 15;35(18):1691-700.

44. [Treatment and complications in flaccid neuromuscular scoliosis \(Duchenne muscular dystrophy and spinal muscular atrophy\) with posterior-only pedicle screw instrumentation.](#) Modi HN, Suh SW, Hong JY, Cho JW, Yang JH, Park JH. Eur Spine J. 2010 Mar;19(3):384-93.
45. [Correlation of pelvic orientation with adult scoliosis.](#) Hong JY, Suh SW, Modi HN, Hur CY, Yang JH, Song HR. J Spinal Disord Tech. 2010 Oct;23(7):461-6.
46. [Correlation and comparison of Risser sign versus bone age determination \(TW3\) between children with and without scoliosis in Korean population.](#) Modi HN, Modi CH, Suh SW, Venkatesh KP, Yang JH, Song HR. J Orthop Surg Res. 2009 Sep 20;4:36.
47. [Short segment pedicle screw fixation for unstable T11-L2 fractures: with or without fusion? A three-year follow-up study.](#) Hwang JH, Modi HN, Yang JH, Kim SJ, Lee SH. Acta Orthop Belg. 2009 Dec;75(6):822-7.
48. Effectiveness of pedicle screw-based ligamentotaxis in reducing preoperative kyphosis in thoracolumbar spinal fractures: a retrospective analytical study based on injury surgery interval. Modi HN, Chung KJ, Yoon HS, Hwang JH, Kim HK, Noh KC, Park YW, Yoo JH. *Eur J of Orthop Sug & Traumatol.* April 2010, Vol 20(3):199-204. <http://link.springer.com/journal/590/20/3/page/1>
49. [Grade 4 spondylolisthesis of the L5 vertebra associated with dural ectasia in neurofibromatosis.](#) Modi HN, Srinivasalu S, Suh SW, Yang JH. Singapore Med J. 2009 Aug;50(8):e287-92.
50. [False-negative transcranial motor-evoked potentials during scoliosis surgery causing paralysis: a case report with literature review.](#) Modi HN, Suh SW, Yang JH, Yoon JY. Spine (Phila Pa 1976). 2009 Nov 15;34(24):E896-900.
51. [Two levels above and one level below pedicle screw fixation for the treatment of unstable thoracolumbar fracture with partial or intact neurology.](#) Modi HN, Chung KJ, Seo IW, Yoon HS, Hwang JH, Kim HK, Noh KC, Yoo JH. *J Orthop Surg Res.* 2009; July 27- 4:28.
52. [Pedicle shifting or migration as one of the causes of curve progression after posterior fusion: an interesting case report and review of literature.](#) Jain S, Modi HN, Suh SW, Yang JH, Hong JY. J Pediatr Orthop B. 2009 Nov;18(6):369-74.
53. [Surgical complications in neuromuscular scoliosis operated with posterior- only approach using pedicle screw fixation.](#) Modi HN, Suh SW, Yang JH, Cho JW, Hong JY, Singh S, Jain S. Scoliosis. 2009 May 7;4:11.



54. [Posterior multilevel vertebral osteotomy for correction of severe and rigid neuromuscular scoliosis: a preliminary study.](#) Suh SW, **Modi HN**, Yang JH, Song HR, Jang KM. - *Spine*. 2009 May 20; 34(12):1315-20.
55. [Surgical correction and fusion using posterior-only pedicle screw construct for neuropathic scoliosis in patients with cerebral palsy: a three-year follow-up study.](#) **Modi HN**, Hong JY, Mehta SS, Srinivasalu S, Suh SW, Yang JH, Yi JW, Song HR. - *Spine*. 2009 May 15; 34(11):1167-75.
56. [Observer reliability between juvenile and adolescent idiopathic scoliosis in measurement of stable Cobb's angle.](#) **Modi HN**, Chen T, Suh SW, Mehta S, Srinivasalu S, Yang JH, Song HR. *Eur Spine J*. 2009 Jan;18(1):52-8.
57. [Interobserver and intraobserver reliability of Cobb angle measurement: endplate versus pedicle as bony landmarks for measurement: a statistical analysis.](#) Mehta SS, **Modi HN**, Srinivasalu S, Ting C, Suh SW, Yang JH, Song HR. *J Pediatr Orthop*. 2009 Oct-Nov;29(7):749-54.
58. [Evaluation of pelvic fixation in neuromuscular scoliosis: a retrospective study in 55 patients.](#) **Modi HN**, Suh SW, Song HR, Yang JH, Jajodia N. *Int Orthop*. 2010 Feb;34(1):89-96.
59. [Accuracy and safety of pedicle screw placement in neuromuscular scoliosis with free-hand technique.](#) **Modi HN**, Suh SW, Fernandez H, Yang JH, Song HR. *European Spine J*. 2008 Dec; 17(12):1686-96.
60. [Differential wedging of vertebral body and intervertebral disc in thoracic and lumbar spine in adolescent idiopathic scoliosis - A cross sectional study in 150 patients.](#) **Modi HN**, Suh SW, Song HR, Yang JH, Kim HJ, Modi CH. *Scoliosis*. 2008 Aug 13; 3:11. Highly Accessed
61. [Pedicle screw-only constructs with lumbar or pelvic fixation for spinal stabilization in patients with Duchenne muscular dystrophy.](#) Mehta SS, **Modi HN**, Srinivasalu S, Suh SW, Yi JW, Song HR. *J Spinal Disord Tech*. 2009 Aug;22(6):428-33.
62. [Drooping of apical convex rib-vertebral angle in adolescent idiopathic scoliosis of more than 40 degrees: a prognostic factor for progression.](#) **Modi HN**, Suh SW, Song HR, Yang JH, Ting C, Hazra S. *J Spinal Disord Tech*. 2009 Jul;22(5):367-71.
63. [Treatment of neuromuscular scoliosis with posterior-only pedicle screw fixation.](#) **Modi HN**, Suh SW, Song HR, Fernandez HM, Yang JH. *J Orthop Surg*. 2008 Jun 10;3:23. Highly Accessed
64. [Local application of low-dose Depo-Medrol is effective in reducing immediate postoperative back pain.](#) **Modi HN**, Chung KJ, Yoon HS, Yoo HS, Yoo JH. *Int Orthop*.

2008 May 28. [Epub ahead of print] PMID: 18506446 [PubMed - as supplied by publisher]

65. [Pelvic fracture after scoliosis surgery in osteogenesis imperfecta: a case report.](#) Modi HN, Suh SW, Song HR, Hazra S, Lee SH. - *Journal of Pediatric Orthop B* 2008; 17:225– 229.
66. [Concomitant noncontiguous level \(thoracic & lumbar\) spinal stenosis.](#) Gupta A, Dave BR, Nanda A, Modi HN. *Int Orthop.* 2009 Apr;33(2):483-8. Epub 2008 Apr 15. PMID: 18414858 [PubMed - indexed for MEDLINE]
67. [Accuracy of thoracic pedicle screw placement in scoliosis using the ideal pedicle entry point during the freehand technique.](#) Modi HN, Suh SW, Song HR, Yang JH. - *Int Orthop.* 2009 Apr;33(2):469-75. Epub 2008 Mar 21. PMID: 18357448 [PubMed - indexed for MEDLINE]
68. [Lumbar nerve root occupancy in the foramen in achondroplasia: a morphometric analysis.](#) Modi HN, Suh SW, Song HR, Yang JH. - *Clin Orthop Relat Res.* 2008 Apr; 466(4):907-13.
69. [The change in ratio of convex and concave lung volume in adolescent idiopathic scoliosis: a 3D CT scan based cross sectional study of effect of severity of curve on convex and concave lung volumes in 99 cases.](#) Chun EM, Suh SW, Modi HN, Kang EY, Hong SJ, Song HR. – *Eur Spine J.* 2008 Feb;17(2):224-9. Epub 2007 Oct 3. Erratum in: *Eur Spine J.* 2008 Feb; 17(2):230
70. [Correction of apical axial rotation with pedicular screws in neuromuscular scoliosis.](#) Modi HN, Suh SW, Song HR, Lee SH, Yang JH. *J Spinal Disord Tech.* 2008 Dec;21(8):606-13.
71. [Cobb angle measurement of scoliosis using computer measurement of digitally acquired radiographs-intraobserver and interobserver variability.](#) Srinivasalu S, Modi HN, Mehta SS, Suh SW, Ting C, Murun T. *Asian Spine J.* 2008; 2(2):90-93.
72. [Comparison of Apical Axial Derotation between Adolescent Idiopathic and Neuromuscular Scoliosis with Pedicle Screw Instrumentation.](#) Modi HN, Suh SW, Srinivasalu S, Mehta S, and Yang JH. *Asian Spine J.* 2008; 2(2):74-80.
73. [Muscle imbalance in volleyball players initiates scoliosis in immature spines: a screening analysis.](#) Modi HN, Srinivasalu S, Mehta SS, Yang JH, Song HR, Suh SW. *Asian Spine Journal* 2008; 2(1):38-43.
74. [Reconstruction of iliac crest with rib to prevent donor site complications: A prospective study of 26 cases.](#) Dave BR, Modi HN, Gupta A, Nanda A. - *Indian J Orthop* July-Sept 2007; 41(3):180-182.

75. A Five Year Clinico- Radiological Outcome Study Of Transfacetal Fusion In A Case Of Disc Disease As A Novel Method Of Dynamic Stabilization: Our Experience. Jain S, Singh B, Singh S, **Modi HN**, Rameshkumar, Kapoor SK. The Internet Journal of Orthopedic Surgery. 2009 Volume 12 Number 1
76. [Carpal tunnel release without a tourniquet](#): A Simple Local Anaesthesia Technique. **Modi HN**, Jajodia NK, Suh SW. *Current Orthopaedic Practice*. 2008; 19(5):575-78.
77. Treatment of neuromuscular scoliosis with posterior-only pedicle screw fixation. **Modi HN**, Suh SW, Song HR, Fernandez H, Yang JH. *World Spine Journal* 2008; 3:21-26.
78. [Callus patterns in femoral lengthening over an intramedullary nail](#). Muzaffar N, Hafeez A, **Modi H**, Song HR. *J Orthop Res*. 2011 Jul;29(7):1106-13.
79. [Bone quality and growth characteristics of growth plates following limb transplantation between animals of different ages--results of an experimental study in male syngeneic rats](#). **Modi HN**, Suh SW, Prjvc B, Hong JY, Yang JH, Park YH, Lee JM, Kwon YH. *J Orthop Surg Res*. 2011 Oct 14;6:53.
80. [Interrelationship of the Risser sign, knee epiphysis, and bone age in determining skeletal maturity: a case-control study](#). Kim HJ, Yoon JR, Modi CH, **Modi HN**, Song HR, Song SY. *J Pediatr Orthop B*. 2011 May;20(3):173-7.
81. [Meyer's dysplasia : delayed ossification of the femoral head as a differential diagnosis in perthes' disease](#). Muzaffar N, Song HR, Devmurari K, **Modi H**. *Acta Orthop Belg*. 2010 Oct;76(5):608-12.
82. [Is there any correlation between skeletal and chronological age on basis of gender and age in Korean children? - An analysis based on RUS method](#). Yoon JR, Kim HJ, Modi CH, **Modi HN**, Song HR. *Eur J Orthop Surg and Traumatology* 2010, May Volume 20 (4): 285-291.
83. [Retrograde Ender nailing for humerus shaft fractures](#). Khurana A, Pendse A, **Modi H**, Diwanji S, Mathur H, Daveswar R. *Acta Orthop Belgica* 2009; 75-5.
84. [Femoral lengthening in achondroplasia: magnitude of lengthening in relation to patterns of callus, stiffness of adjacent joints and fracture](#). Venkatesh KP, **Modi HN**, Devmurari K, Yoon JY, Anupama BR, Song HR. *J Bone Joint Surg Br*. 2009 Dec;91(12):1612-7.
85. [Leg lengthening by distraction osteogenesis using the Ilizarov apparatus: a novel concept of tibia callus subsidence and its influencing factors](#). Shyam AK, Singh SU, **Modi HN**, Song HR, Lee SH, An H. *Int Orthop*. 2008; 33(6):1753-9.
86. [Analysis of callus pattern of tibia lengthening in achondroplasia and a novel method of regeneration assessment using pixel values](#). Singh. S, Song HR, Venkatesh KP,

**Modi HN**, Park MS, Jang KM, Kim SJ. Skeletal Radiol. 2010 Mar;39(3):261-6.

87. [Quantitative assessment of mineralization in distraction osteogenesis.](#) Hazra S, Song HR, Biswal S, Lee SH, Lee SH, Jang KM, **Modi HN**. *Skeletal Radiol.* 2008 Sep; 37(9):843-7.
88. [Deceleration in maturation of bone during adolescent age in achondroplasia--a retrospective study using RUS scoring system.](#) Lee SH, **Modi HN**, Song HR, Hazra S, Suh SW, Modi C. *Skeletal Radiol.* 2009; 38:165– 170
89. [Callus features of regenerate fracture cases in femoral lengthening in achondroplasia.](#) Devmurari KN, Song HR, **Modi HN**, Venkatesh KP, Kim SJ, Song SH. Skeletal Radiol. 2010 Sep;39(9):897-903.
90. [Hip and knee dislocation during femoral lengthening in congenital short femur: a rare case report.](#) Hazra S, Song HR, Jajodia N, Biswal S, **Modi HN**, Srinivasalu S. *Arch Orthop Trauma Surg.* 2009 Apr;129(4):425-9.

---

#### Conference Presentations

---

1. GOA meeting on 8-3-15 at Novotel, Ahmedabad. Lecture on “ Surgical Site Infections- Risk Stratification” .
2. GSA meeting with symposium 14-15 Fe 2015 at Jamnagar. Lecture on “ Decision making in Lumbar stenosis”
3. GOA Con 7-9 Feb 2014 at Ahmedabad. Paper presentation on “ Multilevel (• 3 levels) ACDF versus posterior laminectomy and instrumented fusion for multilevel cervical myelopathy (CM)” .
4. AOS Meeting on 10-7-13 at St. Laurn, Ahmedabad. Lecture on “ Effect of Teriperatide in Osteoporotic compression fractures.”
5. GSA Annual Meeting at Inder Residency, Ahmedabad on 5<sup>th</sup> May, 2013. Lecture on “ ASD: Is it a myth or reality?”
6. GSA and Polio Foundation Live Spinal Deformity surgical course with Lecture Jan 13, 2013; Ahmedabad. Lecture of Posterior multilevel osteotomies in severe and rigid scoliosis.
7. Video Operative Spine Course 8<sup>th</sup> July, 2012, Ahmedabad. As Faculty presented video of Microendoscopic discectomy case and discussions.
8. IMAST, Istanbul, Turkey, 18-21 July 2012. Does cervical disc arthroplasty reduce adjacent segment disease and other complications in comparison to anterior cervical



- discectomy and fusion? A meta-analysis of randomized controlled trials. Samartzis D, Vavken P, Modi HN, Luk KDK, Cheung KMC. Podium presentation as a co-author.
9. ASSI Con Feb 2012, New Delhi. Effect of Spinal Shortening on Motor-Evoked Potentials causing Spinal Cord Injury and on Spinal Cord Blood Flow Modi HN, Suh SW, Yang JH, Hong JY. Paper presentation.
  10. IOA Con Dec 8-11, New Delhi. Poster presentation on Comparison of anterior versus posterior decompression with instrumented fusion in multilevel cervical spondylotic myelopathy.
  11. IOA Con Dec 8-11, New Delhi. Effect of Spinal Shortening on Motor-Evoked Potentials causing Spinal Cord Injury and on Spinal Cord Blood Flow Modi HN, Suh SW, Yang JH, Hong JY. Paper presentation.
  12. SRS September 2011, at Kentucky, USA. Early Results and Complications of Posterior-Based Osteotomies in Patients with Previous Spinal Fusions. Lewis SJ, Modi HN, Goldstein S, Bodrogi AW, Magana S. Podium Presentation as a co-author.
  13. IMAST July 2011, Denmark. Effect of Spinal Shortening on Motor-Evoked Potentials causing Spinal Cord Injury and on Spinal Cord Blood Flow Modi HN, Suh SW, Yang JH, Hong JY. SRS award Paper presentation.
  14. AOSNA Annual Fellows Forum March 31-April 3 2011, Benff, Alberta, Canada. Results and complications of posterior based 3-column osteotomies in patients with previously fused spinal deformities. Modi HN, Lewis SJ, Bodrogi A, Goldstein S, Megana S. Oral presentation and Poster. Primary author.
  15. AOSNA Annual Fellows Forum March 31-April 3 2011, Benff, Alberta, Canada. Risk factors for revision surgery for lumbar stenosis with low-grade degenerative spondylolisthesis. Mobasheri R, Modi HN, Rampersaud YR. Oral presentation and poster. Co-author.
  16. Global Spine Congress March 23-26 2011 Barcelona, Spain. Does cervical disc arthroplasty reduce adjacent segment disease and other complications in comparison to anterior cervical discectomy and fusion? A meta-analysis of randomized controlled trials. Dino Samartzis, Patrick Vavken, Hitesh Modi, Keith DK Luk, Kenneth MC Cheung. Co-author. Paper presentation.
  17. NASS Oct 5-9 2010, Orlando, Florida, USA. Effect of Spinal Shortening on Motor-Evoked Potentials causing Spinal Cord Injury and on Spinal Cord Blood Flow Modi HN, Suh SW, Yang JH, Hong JY. Paper presentation.
  18. SRS Sept 21-24 2010, Kyoto, Japan. Effect of Spinal Shortening on Motor-Evoked Potentials causing Spinal Cord Injury and on Spinal Cord Blood Flow Modi HN, Suh

SW, Yang JH, Hong JY. Paper presentation. *Awarded for Hibb' s award in basic science category.*

19. IFPOS Sept 9-11, 2010, Seoul, South Korea. Effect of Spinal Shortening on Motor-Evoked Potentials causing Spinal Cord Injury and on Spinal Cord Blood Flow. Modi HN, Suh SW, Yang JH, Hong JY. Paper presentation.
20. IFPOS Sept 9-11, 2010, Seoul, South Korea. Posterior multilevel vertebral osteotomy and free-hand pedicle screw fixation for correction of scoliosis in fused spine- a series of five cases. Modi HN, Suh SW, Yang JH, Hong JY. Paper presentation.
21. IFPOS Sept 9-11, 2010, Seoul, South Korea. Surgical correction of paralytic neuromuscular scoliosis with poor pulmonary functions. Modi HN, Suh SW, Yang JH, Hong JY. Paper presentation.
22. IMAST July 22-24 2010, Toronto, Canada. An Analysis of Intraoperative Blood loss in different Stages of Scoliosis Surgery- A Prospective Study in 44 Patients. Modi HN, Suh SW, Yang JH, Hong JY. E-poster presentation.
23. IMAST July 22-24 2010, Toronto, Canada. 3-Dimensional CT scan based evaluation of postoperative change in lung volume in adolescent idiopathic scoliosis and its relationship with development of pulmonary complications as a risk factor- a prospective study. Modi HN, Suh SW, Yang JH, Hong JY. E-poster presentation.
24. IMAST July 22-24 2010, Toronto, Canada. Prevalence of idiopathic scoliosis in school children in Korean population. Modi HN, Suh SW, Yang JH, Hong JY. E-poster presentation.
25. IMAST July 22-24 2010, Toronto, Canada. Surgical correction of paralytic neuromuscular scoliosis with poor pulmonary functions. Modi HN, Suh SW, Yang JH, Hong JY. E-poster presentation.
26. AAOS March 9-13 2010, New Orleans, USA. New pig model studying effect of distraction induced spinal cord injury- An experimental animal study. Modi HN, Suh SW, Yang JH, Hong JY. Paper presentation.
27. Korean Society of Neurosurgery October 24 2009, South Korea. Postoperative spinal epidural hematoma after microscopic lumbar decompression- a prospective magnetic resonance imaging study in consecutive 89 patients. Lee DY, Modi HN, Lee SH. Paper presentation.
28. SRS September 23-26, 2009, Texas. Inter- and Intraobserver reliability of Cobb angle measurement: endplate versus pedicle as bony landmarks for measurement- A statistical analysis. Hitesh Modi, Seung-Woo Suh, Jae-Hyuk Yang, Jae-Young Hong, Youngbae B Kim. Accepted poster presentation.

29. IMAST July 15-18, 2009, Vienna, Austria. Surgical correction and fusion using posterior-only pedicle screw construct for neuropathic scoliosis in patients with cerebral palsy - A three year follow-up study. Hitesh Modi, Seung-Woo Suh, Jae-Hyuk Yang, Jae-Young Hong. Accepted paper presentation.
30. IMAST July 15-18, 2009, Vienna, Austria. Inter- and Intraobserver reliability of Cobb angle measurement: endplate versus pedicle as bony landmarks for measurement- A statistical analysis. Hitesh Modi, Seung-Woo Suh, Jae-Hyuk Yang, Jae-Young Hong. Accepted poster presentation.
31. IMAST July 15-18, 2009, Vienna, Austria. An Analysis of Intraoperative Blood loss during different Stages of Scoliosis Surgery- A Randomized Prospective Study in 34 Patients. Hitesh Modi, Seung-Woo Suh, Jae-Hyuk Yang, Jae-Young Hong. Accepted poster presentation.
32. IMAST July 15-18, 2009, Vienna, Austria. Surgical complications in neuromuscular scoliosis operated with posterior- only approach using pedicle screw fixation. Hitesh Modi, Seung-Woo Suh, Jae-Hyuk Yang, Jae-Young Hong. Accepted poster presentation.
33. 26<sup>th</sup> Conference of Korean Society of Spine Surgery May 29-31 2009, Yong Pyoung, South Korea- A New Distraction based Spinal Cord Injury Animal Model in Pigs- An MEP based Study.- Paper presentation- Co-author.
34. EPOS (European Paediatric Orthopaedic Society) conference: April 30-4, 2009, Portugal. Deceleration in Maturation of Bone during Adolescent age in Achondroplasia- a Retrospective Study using RUS Scoring System. Song HR, Modi HN, Lee SH, Singh S, Modi CH. Paper presentation.
35. North American Spine Society Conference: Oct 16-18, 2008, Toronto, Canada. P16. Multi-level Posterior Vertebral Osteotomy for Correction of Severe and Rigid Neuromuscular Scoliosis: A Preliminary Study. Hitesh Modi, Seung-Woo Suh, Yang Jae-Hyuk The Spine Journal September 2008 (Vol. 8, Issue 5, Page 109S) Full Text | Full-Text PDF (41 KB)
36. North American Spine Society Conference: Oct 16-18, 2008, Toronto, Canada. P18. Evaluation of Pelvic Fixation in Neuromuscular Scoliosis: A Retrospective Study in 55 Patients. Hitesh Modi, Seung-Woo Suh, Jae-Hyuk Yang The Spine Journal September 2008 (Vol. 8, Issue 5, Page 110S) [Full Text](#) | [Full-Text PDF \(202 KB\)](#)
37. 2<sup>nd</sup> APCSS (Asia Pacific Cervical Spine Symposium) Nov 6-7, 2008; Seoul, Korea. - “ Upper Cervical Instability in Pseudoachondroplasia.” Paper presentation
38. 52<sup>nd</sup> Fall congress of Korean Orthopaedic Association Oct 16-18, 2008; Seoul,

Korea- “ Intradural Cement Leakage through Pedicle Violation after Balloon Kyphoplasty causing Paraparesis in Vertebral Compression Fractures – A Report of Two Cases.” - Poster presentation- Co-Author.

39. SRS- New Delhi World Wide Regional Conference Oct 2-4 2008, India.- “ Evaluation of Pelvic fixation in Neuromuscular Scoliosis.” - Paper presentation.
40. SRS- New Delhi World Wide Regional Conference Oct 2-4 2008, India.- Drooping of apical convex rib-vertebral angle in adolescent idiopathic scoliosis more than 40 degree: A prognostic factor for progression.- Paper presentation.
41. SRS- New Delhi World Wide Regional Conference Oct 2-4 2008, India.- “ Accuracy of placement of pedicle screws using the free hand technique in neuromuscular scoliosis” - Poster presentation.
42. SRS- New Delhi World Wide Regional Conference Oct 2-4 2008, India.- “ Multilevel Posterior Vertebral Osteotomy for Correction of Severe and Rigid Neuromuscular Scoliosis- A New Technique” - Poster presentation
43. SRS- New Delhi World Wide Regional Conference Oct 2-4 2008, India.- “ The Change in Ratio of Convex and Concave Lung Volume in Adolescent Idiopathic Scoliosis- A 3D CT scan based cross sectional study of effect of severity of curve on convex and concave lung volumes in 99 patients” - Poster presentation.
44. IMAST July 8-11 2008, Hong Kong. – “ Evaluation of Pelvic fixation in Neuromuscular Scoliosis.” - Poster presentation.
45. IMAST July 8-11 2008, Hong Kong.- “ Accuracy of placement of pedicle screws using the free hand technique in neuromuscular scoliosis” - Poster presentation.
46. IMAST July 8-11 2008, Hong Kong. - “ Multilevel Posterior Vertebral Osteotomy for Correction of Severe and Rigid Neuromuscular Scoliosis- A Preliminary Study” - Paper presentation as co-author.
47. Grand conference Korea University June 30 2008, Guro, Seoul, South Korea. - “ Rib Drooping angle in Adolescent Idiopathic Scoliosis with curve >40° : A Prognostic Indicator for Curve Progression” . – Paper presentation.
48. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.- “ Multilevel Posterior Vertebral Osteotomy for Correction of Severe and Rigid Neuromuscular Scoliosis- A New Technique” - Paper presentation as co-author.
49. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.- “ Surgical complications in neuromuscular scoliosis operated with posterior-only approach using pedicle screw fixation.” - Paper presentation
50. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.- “ Apical Axial Derotation with Pedicle Screw



in Neuromuscular Scoliosis” - Paper presentation as co-author.

51. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.- “ Reconstruction of Iliac Crest with Rib to Prevent Donor Site Complications: A Prospective Study of 26 Cases.” - Paper Presentation.
52. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.- “ Accuracy of Thoracic Pedicle Screws in Scoliosis using Ideal Pedicle Entry Point during Free-hand Technique” - Paper presentation
53. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.- “ The Change in Ratio of Convex and Concave Lung Volume in Adolescent Idiopathic Scoliosis- A 3D CT scan based cross sectional study of effect of severity of curve on convex and concave lung volumes in 99 patients” - Paper presentation.
54. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.- “ Observer Reliability between Juvenile and Adolescent Idiopathic Scoliosis in Measurement of Stable Cobb’ s angle” - Paper presentation as co-author.
55. spAPOA 2008 4-7<sup>th</sup> June, Jeju, Korea.- “ Lumbar Nerve Root Occupancy in Foramen in Achondroplasia: Morphometric Analysis”- Paper presentation.
56. Spine Week 26-31<sup>st</sup> May 2008, Geneva, Switzerland. - “ Multilevel Posterior Vertebral Osteotomy for correction of severe and rigid Neuromuscular Scoliosis: A New Technique.” - Paper presentation.
57. Spine Week 26-31<sup>st</sup> May 2008, Geneva, Switzerland.- “ Management of Neuromuscular Scoliosis with Posterior-only Pedicle screw Fixation” - Paper presentation- as co-author.
58. American Thoracic Society Conference 16-21<sup>st</sup> May 2008, Toronto, Canada.- “ Analysis of Diaphragm Movement using Fluoroscopy for the Evaluation of Pulmonary Rehabilitation in COPD” - Paper presentation.
59. Asia Pacific Spine Symposium 3-5<sup>th</sup> May 2008, Chaingmai, Thailand.- “ Management of Neuromuscular Scoliosis with Posterior-only Pedicle Screw Fixation” . – Paper presentation.
60. Korea Orthopaedic Association Conference 16<sup>th</sup>-19<sup>th</sup> April 2008, Daegu, Korea. - “ Treatment of Severe and Rigid Congenital Scoliosis with Diastatomyelia by Posterior Multilevel Vertebral Osteotomy technique” - case discussion. – Paper presentation as co-author.
61. 25<sup>th</sup> Conference of Korean Society of Spine Surgery April 4<sup>th</sup> 2008, Seoul, South Korea- “ Posterior Multilevel Vertebral Osteotomy for Severe and Rigid Scoliosis- A Preliminary Study” - Paper presentation- Declared as “ Best Paper” .

62. APOA 2007 Sept 10-13, Seoul, South Korea- “ Accuracy of placement of pedicle screws using the free hand technique in neuromuscular scoliosis” paper presentation- as co author- Paper presentation.
63. APOA 2007 Sept 10-13, Seoul, South Korea- “ Growth modulation due to stress concentration in Idiopathic Scoliosis causing progress of disease” – Paper presentation.
64. APOA 2007 Sept 10-13, Seoul, South Korea- “ Results of neuromuscular scoliosis with posterior pedicle screw fixation only” – Paper presentation.
65. APOA 2007 Sept 10-13, Seoul, South Korea- “ Ideal entry point for the thoracic pedicle screw during Free hand technique” – Paper presentation.
66. APOA 2007 Sept 10-13, Seoul, South Korea- “ Apical axial derotation with pedicular screw in neuromuscular scoliosis” - Poster presentation.
67. Grand conference Korea University March 9 2008, Anam, Seoul, South Korea. - “Progression of Scoliosis after Spinal Fusion- a case report” . – Paper presentation.
68. 24<sup>th</sup> Korean Spine Society conference 25&26-6-2007: “ Large Thoracic Curves in Adolescent Idiopathic Scoliosis Can we wait? An overview of literature” - Paper presentation
69. Grand conference Korea University Jan 12 2008, Guro, Seoul, South Korea.- “ Size of Spinal Nerve Root in Achondroplasia Patients & Clinical Significance” . – Paper presentation.
70. 24<sup>th</sup> Conference of Korean Society of Spine Surgery Dec 1 2007, Seoul, South Korea- “ Apical axial derotation with pedicle screw in neuromuscular scoliosis” - Paper presentation.
71. Korean Paediatric Orthopaedic Conference 1-6-2007: “ Results of Neuromuscular scoliosis with Posterior Pedicle screw fixation” as co-author- Paper presentation
72. Korea University Grand Conf 12-5-2007 “ Stress induced pelvic fracture after scoliosis surgery in Osteogenesis Imperfecta – a case report” -
73. Korea University Grand Conf 14-4-2007 “ Treatment of congenital scoliosis with post approach only”
74. “ Non-union Ankylosing Spondylitis – often misdiagnosed” - paper presentation at ASSICON 2006 Chandigarh, India as co-author.
75. “ Anderson lesion – often misdiagnosed as Koch’ s” - Poster presentation at spine conference Barcelona, Spain 2005 as co-author
76. Baroda- GOACON 2006- “ Anderson Lesion – Often misdiagnosed & maltreated- a

study of 14 cases” - Paper presentation

77. Rajkot GOACON 2005 – “ Do we advise Surgery to all symptomatic sequestered or extruded lumbar disc?” - Paper presentation

78. Ahmedabad GSA Con - paper presentation on “ Stress MRI of Lumbar Spine” on 27- 3- 05.

