

CURRICULUM VITAE

AHMET ALANAY, M.D.



I. IDENTIFICATION

Name and Surname : AHMET ALANAY
Date of Birth : August 5th, 1964
Place of Birth : Antalya, Turkey
Nationality : Turkish
Marital Status : Wife: Yasemin Alanay, M.D
Occupation: Pediatric Geneticist
Children: Derin Alanay, Arin Alanay
Languages : Turkish(Native), English(Fluent), German (Intermediate)
Tel : 90-532-2766816
Email : aalanay@gmail.com

II. CURRENT POSITION

Director
Comprehensive Spine Center at Acibadem Maslak Hospital
Istanbul, Turkey Oct 2013 - Present

III. CURRENT ACADEMIC APPOINTMENTS

Professor, M.D.
Department of Orthopedics and Traumatology
Acibadem University, School of Medicine, Istanbul, Turkey Mar 2014-Present

IV. EDUCATION

High school 1975-1982
Bornova Anadolu Lisesi

Medical School 1982-1988
Ankara University Faculty of Medicine

Speciality training 1991-1996
Hacettepe University Faculty of Medicine
Department of Orthopaedics & Traumatology

V. PROFESSIONAL EXPERIENCE

Clinical attendant at Hacettepe University Faculty of Medicine
Dep. of Orthopaedics and Traumatology 1996-1997

Assistant Professor at Hacettepe University Faculty of Medicine
Dep. of Orthopaedics and Traumatology 1997-2002

Associate Professor at Hacettepe University Faculty of Medicine
Dep. of Orthopaedics and Traumatology 2002-2007

Professor at Hacettepe University Faculty of Medicine
Dep. of Orthopaedics and Traumatology 2007-2009

Professor at Istanbul Bilim University Faculty of Medicine
Dep. of Orthopaedics and Traumatology 2009- 2013

Professor at Acibadem University, School of Medicine
Dep. of Orthopaedics and Traumatology

2014-present

VI. FELLOWSHIP & SABBATICAL

Spine Research Fellowship on Spinal Deformity

The University of Kansas Medical Center School of Medicine USA

Department of Surgery Orthopedics Section

Mar - Oct 1998

Visiting Professorship

UCLA School of Medicine USA

Comprehensive Spine Center

Oct 2005-Oct 2006

VII. SCIENTIFIC MEMBERSHIPS

Turkish Society of Orthopaedic Surgery and Traumatology Associations (**TOTBID**)

Turkish Spine Society (**TSS**)

American Academy of Orthopaedic Surgeons (**AAOS**)

European Federation of Orthopaedics and Traumatology (**EFORT**)

Scoliosis Research Society (**SRS**)

Spine Society of Europe (**SSE**)

North American Spine Society (**NASS**)

American Bone and Joint Society (**ABJS**)

VIII. INVOLVEMENT IN INTERNATIONAL STUDY GROUPS

Spine Trauma Study Group (**STSG**)

European Spine Study Group- Europe (**ESSG**), co-founder

AO Spinal Deformity Knowledge Forum (**SDKF**), steering committee member

Magnetically Controlled Growing Rod Study Group (**MCGR**)

IX. REVIEWER & ADVISORY BOARD FOR SCIENTIFIC JOURNALS

Clinical Orthopedics and Related Research, Reviewer

European Spine Journal, Reviewer, Advisory Board

Global Spine Journal, Reviewer

J Spinal Disorders & Techniques, Reviewer

JBS Reviews, Editorial Board, Associate Editor for Spinal Surgery

Scoliosis, Reviewer

Spine, Reviewer, Advisory Board

Spine deformity, Reviewer, Editorial Board

X. DUTIES in SCIENTIFIC SOCIETIES

Scoliosis Research Society SRS

<i>Member at Large, Board of Directors</i>	<i>2014-present</i>
<i>Worldwide Conference Committee</i>	<i>2004-2013</i>
<i>Education committee</i>	<i>2007-2010</i>
<i>Chair, Worldwide Conference Committee</i>	<i>2010-2013</i>
<i>Continued Medical Education Committee</i>	<i>2010-2013</i>
<i>Industry Relations Committee</i>	<i>2010-2013</i>
<i>Long Range Planning Committee</i>	<i>2010-2013</i>
<i>Global Outreach Committee</i>	<i>2011- 2014</i>

Spine Society of Europe (SSE)

<i>Membership committee</i>	<i>2003-2006</i>
<i>Executive committee</i>	<i>2006-2012</i>
<i>Program committee</i>	<i>2006-2012</i>
<i>Chair, Program committee</i>	<i>2010-2012</i>

North American Spine Society (NASS)

<i>International Education Committee</i>	<i>2011-present</i>
--	---------------------

Hacettepe University Faculty of Medicine

<i>Animal research committee</i>	<i>2005-2006</i>
----------------------------------	------------------

XI. TEACHING ASSIGNMENTS

Medical student, Third-Year, Problem-Based Learning Sessions	1996-Present
Medical student, Third-Year, Orthopedic Surgery Lectures	1996-present
Medical student, Fifth-Year, Orthopedic Surgery Lectures	1996-present

Medical student, Fifth-year, Oral exams	1996-present
School of Physiotherapy and Rehabilitation, Orthopedic Lectures	1996-present

XII. HONORS AND AWARDS

Traveling Fellowship Award. European Federation of National Associations of Orthopaedics and Traumatology (EFORT). Germany 1996, October 17-26th

Traveling Fellowship Award, Spine Society of Europe (SSE) 2002, April 19th-May 19th

Best Podium Presentation Award. "The residual rotation and tilt of the LIV in posterior instrumentation for AIS. Are they really important ?". 6th International Congress on Spinal Surgery, Ankara, Turkey 4-7 September 2002.

Scientific Award, Turkish Society of Orthopaedic Surgery and Traumatology Associations (TOTBID) Prof. Ridvan Ege, M.D., 2003

Traveling Fellowship Award, Scoliosis Research Society (SRS) 2004, May 2nd-23rd

Research Scholar and Travelling Fellowship Award, North American Spine Society (NASS), 2005

Research Scholar and Award, Cervical Spine Research Society (CSRS), 2006

Best Poster Award. Global Spine Congress, 23-36 March 2011, Barcelona, Spain

Best Clinical Paper Award, Spine Society of Europe, Eurospine, Lyon, France, Oct, 2014

2014 Academic Achievement Award, Acibadem University, School of Medicine, Istanbul, March 2015.

Best Paper Award, 11th International Turkish Spine Congress, Çeşme, April, 2015

2015 Academic Achievement Award, Acibadem University, School of Medicine, Istanbul, March 2016.

XIII. MEETING ORGANIZATIONS

Secretary and Program chair, 7th International spine surgery meeting, 2005, Antalya, Turkey

Program chair, Scoliosis Research Society European meeting, 2006, Istanbul, Turkey

Co-chair, Scoliosis Research Society Meeting in Spineweek, 2008, Geneva, Switzerland

Program chair, Eurospine 2010, Vienna, Austria

Program chair, Eurospine 2011, Lyon, France

Meeting organizer and programme chair of SICOT/SRS symposium/course 7-8 September 2011 Prague, Czech Republic

Meeting organizer and program co-chair, Spineweek-SRS, 2012, Amsterdam, the Netherlands

Co-chair, SRS World-wide conference in conjunction with Russian Spine Society, Novosibirsk, November 2014

Co-chair, Eurospine -SRS Joint 2015 Spring Meeting, Barcelona, Spain, April 23-25, 2015,

Co-chair, 5th Spine Deformity Solutions: A Hands-on Course, Istanbul, Turkey, October 2015

XIV. HUMANITARIAN WORK

SRS Bulgarian Outreach Program for treatment of sick children with spinal deformity, April 2012

SRS Bulgarian Outreach Program for treatment of sick children with spinal deformity, April 2013

SRS Bulgarian Outreach Program for treatment of sick children with spinal deformity, April 2014

SRS Bulgarian Outreach Program for treatment of sick children with spinal deformity, April 2015

XV. RESEARCH SUPPORT & GRANTS

1) Effects of unilateral multi-segment pedicle screw fixation on the anterior growth of the spinal column in young pigs

The Scientific and Technological Research Council of Turkey 2005

Principal investigator

\$25,000.00

2) A Comparison of the Expressions of Melatonin, Calmodulin and 5-HT4 in Paravertebral Muscle and Platelets of Patients with or without Adolescent Idiopathic Scoliosis

Scoliosis Research Society Cotrell Foundation Grant

Co-investigator

\$50,000.00

3) The adjunctive effect of a binding peptide on bone morphogenetic protein (BMP) in a rat spinal fusion model

Cervical Spine Research Society 2006 Research Grant Award

Principal investigator

\$25,000.00

4) North American Spine Society (NASS) Traveling Research Fellowship award and grant

October 17 2005 – October 17 2006

\$15,000.00

5) European Spine Study Group grant

€ 25,000.00 / year

6) Spine Deformity Research Forum (SDRF)

€ 25,000.00 / year

XVI. PEER-REVIEWED JOURNAL PUBLICATIONS:

1. Acaroglu E, **Alanay A**, Akalin N, Atilla B, Bulutcu E, Surat A. Risk factors associated with corrective surgery in congenital scoliosis with tethered cord. *Turk J of Pediatr* 1997;39:373-78.
2. **Alanay A**, Acaroglu E, Ozdemir O, Ercelen O, Bulutcu E, Surat A. Effects of deamino-8-D-arginin vasopressin on blood loss and coagulation factors in scoliosis surgery. A double blind randomized clinical trial. *Spine* 1999;24:877-82 .
3. Akpek EA, Bulutcu E, **Alanay A**, Korkusuz P, Acaroglu E, Kilinc K, Ors U. A study of adenosine treatment in experimental acute cord injury. Effect of arachidonic acid metabolites. *Spine* 1999;24:128-132.
4. Yazici M, **Alanay A**, Aksoy C, Acaroglu E, Surat A. Traumatic L1-L2 dislocation without fracture in a 6-year-old girl. Incomplete neurologic deficit and total recovery. *Spine* 1999;24:1483-86.
5. **Alanay A**, Acaroglu E, Yazici M, Surat A. Luque Trolley and convex epiphysiodesis in the treatment of infantile and juvenile idiopathic scoliosis (letter). *Spine* 2000;25:2549-50.
6. **Alanay A**. Post-traumatic findings of the spine after earlier vertebral fracture in young patients. Clinical and MRI study (letter). *Spine* 2000;25:2847-8.

7. **Alanay A**, Acaroglu E, Yazici M, Oznur A, Surat A. Short segment pedicle instrumentation of thoracolumbar burst fractures: Does transpedicular intracorporeal grafting prevent early failure? *Spine* 2001;26:213-7.
8. **Alanay A**, Acaroğlu E, Yazici M, Surat A. Successful Short-Segment Instrumentation and Fusion for Thoracolumbar Spine Fractures: A Consecutive 4 1/2-Year Series. (letter). *Spine* 2001;26:840-44.
9. Acaroglu E, **Alanay A**. Four level noncontiguous fracture of the vertebral column-A case report. *Journal of Orthopaedic Trauma* 2001;15:294-299.
10. Yazici M, Acaroglu E, **Alanay A**, Deviren V, Cila A, Surat A. Measurement of Vertebral Rotation in Standing Versus Supine Position in Adolescent Idiopathic Scoliosis *Journal of Pediatric Orthopaedics* 2001;21:252-6.
11. Aksoy MC, Koç G, **Alanay A**, Yazici M, Özdemir N, Surat A. Treatment of developmental dysplasia of the hip before the walking age. *The Turkish Journal of Pediatrics* 2002, 44(2):122-7.
12. **Alanay A**, Acaroğlu E, Yazici M, Aksoy MC, Surat A. The effect of transpedicular intracorporeal grafting in the treatment of thoracolumbar burst fractures on canal remodeling. *Eur Spine J.* 2001 Dec;10(6):512-6.
13. Acaroglu E, Yazici M, **Alanay A**, Surat A. The three-dimensional evolution of scoliotic curve during instrumentation without fusion in young children. *Journal of Pediatric Orthopaedics* 2002;22:492-6.
14. **Alanay A**, Hicazi A, Acaroglu E, Yazici M, Aksoy C, Cila A, Akalan N, Surat A. The reliability and the necessity of Dynamic Computerized Tomography (DCT) in the diagnosis of atlantoaxial rotatory Subluxation (AARS). *Journal of Pediatric Orthopaedics* 2002;22:763-5.
15. Seneran H, Yazici M, Karcaaltincaba M, **Alanay A**, Acaroglu E, Aksoy MC, Ariyürek M, Surat A. Lumbar pedicle morphology in the immature spine: a three-dimensional study using spiral computed tomography. *Spine* 2002;27:2472-6.

16. Hicazi A, Acaroglu E, **Alanay A**, Yazici M, Surat A. Atlantoaxial rotatory fixation-subluxation revisited: a computed tomographic analysis of acute torticollis in pediatric patients. *Spine* 2002;15:2771-5.
17. Oznur A, Arik A, **Alanay A**. Case report. Peroneus quartus muscle as a rare cause of the chronic lateral ankle pain. *Foot and Ankle Surgery* 2002;8:227-30.
18. Akyurek M, Safak T, **Alanay A**, Acaroglu E, Kecik A. Immediate debridement and coverage of exposed spinal hardware with muscle flaps. *Eur J Plast Surg* 2002;25: 202-208.
19. Uzumcigil A, Cil A, Yazici M, Acaroglu E, **Alanay A**, Akalan N, Ozisik P, Surat A. The efficacy of convex hemiepiphysiodesis in patients with iatrogenic posterior element deficiency due to diastematomyelia excision. *Spine* 2003;28:799-805.
20. Cil A, Yazici M, **Alanay A**, Acaroglu RE, Surat A. Re: Ruf M, Harms J. Posterior hemivertebra resection with transpedicular instrumentation: early correction in children aged 1 to 6 years. *Spine*. 2003;28:2132-8.*Spine*. 2004 Jul 15;29(14):1593-4; author reply 1594-6.
21. Kandemir U, Yazici M, **Alanay A**, Tokgozoglu M. Distraction osteogenesis (callotasis) for pelvic closure in bladder exstrophy. *Clin Orthop* 2004; 418:231-6.
22. **Alanay A**, Cil A, Acaroglu E, Caglar O, Akgun R, Marangoz S, Yazici M, Surat A. Late spinal cord compression caused by pulled-out thoracic pedicle screws: A case report. *Spine* 2003;28:E506-E510.
23. Cil A, Yazici M, **Alanay A**, Acaroglu E, Uzumcigil A, Surat A. The course of sagittal plane abnormality in the patients with congenital scoliosis managed with convex growth arrest. *Spine* 2004;29:547-52.
24. **Alanay A**, Yazici M, Acaroglu E, Turhan E, Cila A, Surat A. The course of non-surgical management of burst fractures with intact posterior ligamentous complex (PLC): An MRI study *Spine* 2004;29:2425-31.

25. Uzumcugil A, Cil A, Yazici M, Acaroglu E, **Alanay A**, Aksoy C, Surat A. Convex growth arrest in the treatment of congenital spinal deformities, revisited. *J Pediatr Orthop*. 2004;24:658-66.
26. Cil A, Yazici M, Uzumcugil A, Kandemir U, **Alanay A**, Alanay Y, Acaroglu RE, Surat A. The evolution of sagittal segmental alignment of the spine during childhood. *Spine (Phila Pa 1976)*. 2005 Jan 1;30(1):93-100.
27. Cil A, Yazici M, Daglioglu K, Aydingoz U, **Alanay A**, Acaroglu RE, Gulsen M, Surat A. The effect of pedicle screw placement with or without application of compression across the neurocentral cartilage on the morphology of the spinal canal and pedicle in immature pigs. *Spine (Phila Pa 1976)*. 2005 Jun 1;30(11):1287-93.
28. Aksoy MC, Cankus MC, **Alanay A**, Yazici M, Caglar O, Alpaslan AM. Radiological outcome of proximal femoral varus osteotomy for the treatment of lateral pillar group-C Legg-Calve-Perthes disease. *J Pediatr Orthop B*. 2005 Mar;14:88-91.
29. Benli IT, **Alanay A**, Akalin S, Kis M, Acaroglu E, Ates B, Aydin E. Comparison of anterior instrumentation systems and the results of minimum 5 years follow-up in the treatment of tuberculosis spondylitis. *Kobe J Med Sci*. 2004;50(5-6):167-80
30. **Alanay A**, Cil A, Berk H, Acaroglu E, Yazici M, Akcali O, Genc Y. The reliability and validity of adapted Turkish version of SRS-22 questionnaire. *Spine* 2005;30:2464-68
31. Cil A, Pekmezci M, Yazici M, **Alanay A**, Acaroglu RE, Deviren V, Surat A. The validity of Lenke criteria for defining structural proximal thoracic curves in patients with adolescent idiopathic scoliosis. *Spine*. 2005 Nov 15;30(22):2550-5.
32. Asher MA, Lai SM, Glatzer C, Burton D, **Alanay A**, Bago J. Refinement of the SRS-22 health related of life questionnaire function domain. *Spine* 2006;31: 593-7.
33. Benli IT, Aydin E, **Alanay A**, Uzumcugil O, Buyukgullu O, Kis M. Results of complete hemivertebra excision followed by circumferential fusion and anterior or posterior instrumentation in patients with type-IA formation defect. *Eur Spine J*. 2006 Aug;15(8):1219-29.

34. Pekmezci M, Yazici M, Dirican B, Yapici B, **Alanay A**, Gurdalli S. Spinal implants and radiation therapy: The effect of various configurations of titanium implant systems in the single vertebral metastasis model. *J Bone Joint Surg Am*. 2006 May; 88:1093-100.
35. Turhan E, Acaroglu E, Bozkurt G, **Alanay A**, Yazici M, Surat A. Unilateral enucleation affects the laterality but not the incidence of scoliosis in pinealectomized chicken. *Spine*. 2006 Jan 15;31:133-8.
36. Yilmaz G, Aksoy MC, **Alanay A**, Yazici M, Alpaslan AM. [Treatment of simple bone cysts with methylprednisolone acetate in children]. *Acta Orthop Traumatol Turc*. 2005;39(5):411-415.
37. Yazici M, Pekmezci M, Cil A, **Alanay A**, Acaroglu E, Oner FC. The effect of pedicle expansion on pedicle morphology and biomechanical stability in the immature porcine spine. *Spine*. 2006 Oct 15;31(22):E826-9.
38. **Alanay A**. Osteoporotik Omurga Kiriklerinin Cerrahi Tedavisi. *Turkiye Klinikleri J Surg Med Sci* 2006;2(30):68-75.
39. Ayvaz M, **Alanay A**, Yazici M, Acaroglu E, Surat A. Safety and efficacy of posterior instrumentation for patients with congenital scoliosis and spinal dysraphism. *J Pediatr Orthop*. 2007 Jun;27(4):380-6.
40. Cheung KM, Senkoğlu A, **Alanay A**, Genc Y, Lau S, Luk KD. Reliability and concurrent validity of the adapted Chinese version of Scoliosis Research Society-22 (SRS-22) questionnaire. *Spine*. 2007 May 1;32(10):1141-5.
41. Wang JC, **Alanay A**, Davies M, Kanim LEA, Campbell PA, Dawson EG, , Liebermann JE. A comparison of commercially available demineralized bone matrix for spinal fusion. *Eur Spine J*. 2007 Aug;16(8):1233-40.
42. **Alanay A**, Vyas R, Shamie AN, Sciocia T, Gannon R, Wang JC. Safety and Efficacy of Implant Removal for Patients with Recurrent Back Pain after a Failed Degenerative Lumbar Spine Surgery. *J Spinal Disord Tech*. 2007 Jun;20(4):271-7.

43. Benli IT, Ates B, Akalin S, Citak M, Kaya A, **Alanay A**. Minimum 10 years follow-up surgical results of adolescent idiopathic scoliosis patients treated with TSRH instrumentation. *Eur Spine J*. 2007 Mar;16(3):381-91.
44. Schweitzer KM, Vaccaro AR, Harrop JS, Hurlbert J, Carrino JA, Rechtine GR, Schwartz DG, **Alanay A**, Sharma DK, Anderson DG, Lee JY, Arnold PM. Interrater reliability of identifying indicators of posterior ligamentous complex disruption when plain films are indeterminate in thoracolumbar injuries. *J Orthop Sci*. 2007 Sep;12(5):437-42.
45. **Alanay A**, Pekmezci M, Karaeminogullari O, Acaroglu E, Yazici M, Cil A, Pijnenburg B, Genc Y, Oner FC. Radiographic measurement of the sagittal plane deformity in patients with osteoporotic spinal fractures evaluation of intrinsic error. *Eur Spine J*. 2007 Dec;16(12):2126-32.
46. Miyazaki M, Hong SW, Yoon SH, Zou J, Tow B, **Alanay A**, Abitbol JJ, Wang JC. Kinematic analysis of the relationship between the grade of disc degeneration and motion unit of the cervical spine. *Spine*. 2008 Jan 15;33(2):187-93.
47. **Alanay A**, Demirkiran GH, Metastatic Omurga Tümörleri. *Turkiye Klinikleri J Orthop & Traumatol-Special Topics* 2008;1(1):37-42
48. **Alanay A**, Chen C, Lee S-H, Murray SS, Brochmann EJ, Ph.D., Miyazaki M, Napoli A, Wang JC. The Adjunctive Effect of a Binding Peptide on Bone Morphogenetic Protein Enhanced Bone Healing in A Rodent Model of Spinal Fusion. *Spine (Phila Pa 1976)*. 2008 Jul 15;33(16):1709-13.
49. **Alanay A**, Wang J, Shamie AN, Napoli A, Chen C, Tsou P. A novel application of high dose (50kGY) gamma irradiation for demineralized bone matrix: Effects on fusion rate in a rat spinal fusion model. *Spine J*. 2008 Sep-Oct;8(5):789-95.
50. Akel I, Kocak O, Bozkurt G, **Alanay A**, Marcucio R, Acaroglu E. The effect of calmodulin antagonists on experimental scoliosis: a pinealectomized chicken model. *Spine (Phila Pa 1976)*. 2009 Mar 15;34(6):533-8.

51. Akel I, Demirkiran G, **Alanay A**, Karahan S, Marcucio R, Acaroglu E. The effect of calmodulin antagonists on scoliosis: bipedal C57BL/6 mice model. *Eur Spine J*. 2009 Apr;18(4):499-505.
52. Pekmezci M, Yilmaz G, Daglioglu K, Gulsen M, **Alanay A**, Acaroglu E, Yazici M. The effect of anterior spinal fusion on spinal canal development in an immature porcine model. *Spine (Phila Pa 1976)*. 2009 Jul 1;34(15):E501-6.
53. Acaroglu E, Akel I, **Alanay A**, Yazici M, Marcucio R. Comparison of the melatonin and calmodulin in paravertebral muscle and platelets of patients with or without adolescent idiopathic scoliosis. *Spine (Phila Pa 1976)*. 2009 Aug 15;34(18):E659-63.
54. Miyazaki M, Tsumura H, Wang JC, **Alanay A**. An update on bone substitutes for spinal fusion. *Eur Spine J*. 2009 Jun;18(6):783-99.
55. Yilmaz G, Demirkiran G, Ozkan C, Daglioglu K, Pekmezci M, **Alanay A**, Yazici M. The effect of dilation of immature pedicles on pullout strength of the screws: Part 2: In vivo study. *Spine (Phila Pa 1976)*. 2009 Oct 15;34(22):2378-83.
56. Ayvaz M, Akalan N, Yazici M, **Alanay A**, Acaroglu RE. Is it necessary to operate all split cord malformations before corrective surgery for patients with congenital spinal deformities? *Spine (Phila Pa 1976)*. 2009 Oct 15;34(22):2413-8.
57. Ayvaz M, **Alanay A**, Acaroglu E. Re: Korolessis P, Hadjipavlou A, Repantis T. Minimal invasive short posterior instrumentation plus balloon kyphoplasty with calcium phosphate for burst and severe compression lumbar fractures. *Spine (Phila Pa 1976)*. 2009 Oct 15;34(22):2473; author reply 2473-5.
58. Yilmaz G, Huri G, Demirkran G, Dağloğlu K, Ozkan C, **Alanay A**, Acaroglu E, Yazici M. The Effect of Posterior Distraction on Vertebral Growth in Immature Pigs: An Experimental Simulation of Growing Rod Technique. *Spine (Phila Pa 1976)*. 2010 Feb 26.
59. Ozturk C, Ganiyusufoglu K, **Alanay A**, Aydogan M, Onat L, Hamzaoglu A. Efficacy of prophylactic placement of inferior vena cava filter in patients undergoing spinal surgery. *Spine (Phila Pa 1976)*. 2010 Sep 15;35(20):1893-6.

60. Wei F, Wang J, Zou J, Hong SW, Zhang H, He W, Miyazaki M, Lee SH, **Alanay A**. Effect of lumbar angular motion on central canal diameter: positional MRI study in 491 cases. *Chin Med J (Engl)*. 2010 Jun;123(11):1422-5.
61. Saricaoglu F, Akinci SB, Akcakaya Kocak D, **Alanay A**, Aypar U. Rekonstrüktif Skolyoz Cerrahisi Sonrasinda Görülen Komplikasyonlar ve Mortalitenin Retrospektif Olarak Değerlendirilmesi. *Journal of Neurological Sciences (Turkish)* 2011; 28(1): 035-041.
62. Hamzaoglu A, **Alanay A**, Ozturk C, Sarier M, Karadereler S, Ganiyusufoglu K. Posterior vertebral column resection in severe spinal deformities: a total of 102 cases. *Spine (Phila Pa 1976)*. 2011 Mar 1;36(5):E340-4.
63. **Alanay A**, Dede O, Yazici M. Convex instrumented hemiepiphysiodesis with concave distraction: a preliminary report. *Clin Orthop Relat Res*. 2012 Apr;470(4):1144-50.
64. Ozturk C, **Alanay A**, Ganiyusufoglu K, Karadereler S, Ulusoy L, Hamzaoglu A. Short-term X-ray Results of Posterior Vertebral Column Resection in Severe Congenital Kyphosis, Scoliosis, and Kyphoscoliosis. *Spine (Phila Pa 1976)*. 2012 May 20;37(12):1054-7.
65. Aydogan M, Enercan M, Hamzaoglu A, **Alanay A**. Reconstruction of the subaxial cervical spine using lateral mass and facet screw instrumentation. *Spine (Phila Pa 1976)*. 2012 Mar 1;37(5):E335-41.
66. Yalcin N, Dede O, **Alanay A**, Yazici M. Surgical management of post-SCIWORA spinal deformities in children. *J Child Orthop*. 2011 Feb;5(1):27-33.
67. Olgun ZD, Ahmadiadli H, **Alanay A**, Yazici M. Vertebral body growth during growing rod instrumentation: growth preservation or stimulation? *J Pediatr Orthop*. 2012 Mar;32(2):184-9.
68. Demirkiran HG, Akel I, Yilmaz G, Ayvaz M, **Alanay A**, Yazici M. [Long-segment posterior instrumentation and fusion with freeze-dried allograft in congenital scoliosis]. *Acta Orthop Traumatol Turc*. 2012 (46/4): 275-80.

69. Enercan M, Ozturk C, Kahraman S, Sarier M, Hamzaoglu A, **Alanay A**. Osteotomies/spinal column resections in adult deformity. *Eur Spine J*. 2013 Mar;22 Suppl 2:S254-64.
70. Hamzaoglu A, Ozturk C, Enercan M, **Alanay A**. Traction x-ray under general anesthesia helps to save motion segment in treatment of Lenke type 3C and 6C curves. *Spine J*. 2013 Aug;13(8):845-52.
71. Ozer AF, Goel VK, **Alanay A**, Sasani M, Oktenoglu T, Erbulut D. Posterior transpedicular dynamic systems in the treatment of chronic lumbar instability. *Adv Orthop*. 2013;2013:432520.
72. Ayvaz M, Olgun ZD, Demirkiran HG, **Alanay A**, Yazici M. Posterior all-pedicle screw instrumentation combined with multiple chevron and concave rib osteotomies in the treatment of adolescent congenital kyphoscoliosis. *Spine J*. 2014 Jan;14(1):11-9.
73. Kaymaz B, Demirkiran G, Ayvaz M, Akel I, Acaroğlu E, **Alanay A**. [Treatment of thoracolumbar burst fractures using combined pedicle screw-laminar hook fixation]. *Acta Orthop Traumatol Turc*. 2014;48(2):152-6.
74. Demirkiran G, Yilmaz G, Kaymaz B, Akel I, Ayvaz M, Acaroglu E, **Alanay A**, Yazici M. Safety and Efficacy of Instrumented Convex Growth Arrest in Treatment of Congenital Scoliosis. *J Pediatr Orthop*. 2014 Apr-May;34(3):275-81. *Eur Spine J*. 2014 Mar 28.
75. Lee SH, Daffner SD, Wang JC, Davis BC, **Alanay A**, Kim JS. The change of whole lumbar segmental motion according to the mobility of degenerated disc in the lower lumbar spine: a kinetic MRI study. *Eur Spine J*. 2014 Mar 28.
76. Gokcen B, Yilgor C, **Alanay A**. Osteotomies/spinal column resection in paediatric deformity. Optimal surgical care for adolescent idiopathic scoliosis: an international consensus. *Eur J Orthop Surg Traumatol*. 2014 Jul;24 Suppl 1:S59-68.
77. Guler UO, Cetin E, Yaman O, Pellise F, Casademut AV, Sabat MD, **Alanay A**, Grueso FS, Acaroglu E; European Spine Study Group. Sacropelvic fixation in adult spinal deformity (ASD); a very high rate of mechanical failure. *Eur Spine J*. 2014 Oct 17.

78. de Kleuver M, Lewis SJ, Gernscheid NM, Kamper SJ, **Alanay A**, Berven SH, Cheung KM, Ito M, Lenke LG, Polly DW, Qiu Y, van Tulder M, Shaffrey C. Optimal surgical care for adolescent idiopathic scoliosis: an international consensus. *Eur Spine J*. 2014 Dec;23(12):2603-18.

79. Pellisé F, Vila-Casademunt A, Ferrer M, Domingo-Sàbat M, Bagó J, Pérez-Grueso FJ, **Alanay A**, Mannion AF, Acaroglu E; European Spine Study Group, ESSG. Impact on health related quality of life of adult spinal deformity (ASD) compared with other chronic conditions. *Eur Spine J*. 2015 Jan;24(1):3-11.

80. Sirikci M, ; Karaca S, ; Enercan M, ; Sarier M, ; Erdem MN, **Alanay A**, Hamzaoglu A. Radiologic and Clinical Outcome of the Operated and Adjacent Segments Following Prodisc-C Cervical Arthroplasty After a Minimum 24-month Follow-up: A Single Surgeon-center Experience. *Neurosurg. Quarterly*. 2015 Jan 27

81. Demirkiran G, Dede O, Ayvaz M, Bas CE, **Alanay A**, Yazici M. Convex Instrumented Hemiepiphysiodesis With Concave Distraction: A Treatment Option for Long Sweeping Congenital Curves. *J Pediatr Orthop*. 2016 Apr-May;36(3):226-31.

82. Aykac B, Ayhan S, Yuksel S, Guler UO, Pellise F, **Alanay A**, Perez-Grueso FJ, Acaroglu E; ESSG European Spine Study Group. Sagittal alignment of cervical spine in adult idiopathic scoliosis. *Eur Spine J*. 2015 Jun;24(6):1175-82

83. Ayhan S, Aykac B, Yuksel S, Ozgur U, Pellise F, **Alanay A**, Perez-Grueso F. J. S, Acaroglu E; ESSG European Spine Study Group. Safety and efficacy of osteotomies in adult spinal deformity: what happens in the first year? *Eur Spine J*. 2015 May 07. [Epub ahead of print]

84. Bekmez S, Demirkiran HG, Yilmaz G, Akel I, Atilla P, Muftuoglu SF, Yazici M, **Alanay A**. Convex Hemiepiphysiodesis: Posterior/anterior in-situ Versus Posterior-only With Pedicle Screw Instrumentation: An Experimental Simulation in Immature Pigs. *J Pediatr Orthop*. 2015 June 17. [Epub ahead of print]

85. Guler UO, Yuksel S , Yakici S , Domingo-Sabat M , Pellise F , Pérez-Gruoso FJS , Obeid I , **Alanay A** , Kleinstück F , Acaroglu E, European Spine Study Group (ESSG). Analysis of the reliability of surgeons' ability to differentiate between idiopathic and degenerative spinal deformity in adults radiologically. What descriptive parameters help them decide? *Eur Spine J*. 2016 Jan 14. [Epub ahead of print]

XVII. PEER-REVIEWED PODIUM PRESENTATIONS:

1. Plate-screw fixation of unstable vertebral fractures: Long term results.

Leblebicioğlu G, **Alanay A**, Alpaslan AM, Tokgozoglu MN, Tokgozoglu AM.

3th International congress on spine surgery. Antalya, Turkey; October, 2-6, 1994.

2. Subcutaneous rod instrumentation without fusion for treatment of scoliosis.

Alanay A, Tokgözoğlu M, Surat A, Alpaslan AM, Göğüş T.

3th International congress on spine surgery. Antalya, Turkey; October, 2-6, 1994.

3. Analysis of risk factors associated with corrective surgery in congenital scoliosis with tethered cord.

Acaroglu E, **Alanay A**, Leblebicioğlu G, Surat A.

4th International congress on spine surgery. Izmir, Turkey; May 26-30, 1996.

4. Selection of fusion levels in thoracic idiopathic scoliosis.

Acaroglu RE, **Alanay A**, Aksoy S, Surat A.

4th International congress on spine surgery. Izmir, Turkey; May 26-30, 1996.

5. Desmopressin (DDAVP) in scoliosis surgery.

Acaroğlu E, **Alanay A**, Surat A.

4th congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT). Barcelona, Spain, April 24-27, 1997.

6. Endoscopic bursectomy of the elbow and knee.

Doral MN, Leblebicioğlu G, Atay AÖ, Tetik O, **Alanay A**.

First biennial congress of the International Society of Arthroscopy, Knee Surgery and Orthopaedics Sports Medicine (ISAKOS). Buenos Aires, Argentina; May 11-16, 1997.

7. Simultaneous anterior-posterior approaches in the treatment of short-segment kyphosis of the thoracic and lumbar spine: Advantages and difficulties.

Yazici M, Acaroglu E, Deviren V, Seneran H, **Alanay A**, Surat A.

Third Middle East Spine Group Meeting. Beirut, Lebanon, 2-4 September 1998.

8. A study of adenosine treatment in experimental acute spinal cord injury: effect on arachidonic acid metabolites.

Akpek EA, Bulutçu E, **Alanay A**, Korkusuz P, Örs Ü, Acaroğlu E.

European Society of Anesthesiologists Annual Congress. Barcelona, Spain 25-28 April, 1998.

9. Short segment anterior surgery for thoracolumbar idiopathic scoliosis.

Alanay A, Asher M, Lai SM.

5th International congress on spine surgery. Istanbul, Turkey; June 22-24, 1999.

10. Effects of anterior release on corrections in coronal and transverse planes in the surgical treatment of thoracic adolescent idiopathic scoliosis.

Deviren V, Acaroglu E, Yazici M, **Alanay A**, Cila A, Surat A.

5th International congress on spine surgery. Istanbul, Turkey; June 22-24, 1999.

11. Vertebral rotation can be accurately measured by the Pedriolle method in adolescent idiopathic scoliosis.

Yazici M, Acaroglu E, Deviren V, **Alanay A**, Cila A, Surat A.

34th annual meeting of SRS. San Diego, September 23-25, 1999.

12. Short segment pedicle instrumentation of thoracolumbar burst fractures: Does transpedicular grafting prevent early failure ?

Alanay A, Acaroglu E, Yazici M, Surat A

10th annual meeting of the Spine Society of Europe. Munich, September 7-11, 1999.

13. Does transverse apex coincide with regional or global apex levels in adolescent idiopathic scoliosis.

Acaroglu A, Yazici M, Deviren V, **Alanay A**, Cila A, Surat A

34th annual meeting of SRS. San Diego, September 23-25, 1999.

14. The effect of transpedicular intracorporeal grafting in the treatment of thoracolumbar burst fractures without neurological deficit: A randomized prospective study.

Alanay A, Acaroglu E, Yazici M, Surat A

- a. *35th annual meeting of SRS*. Cairns, Australia, October 18-21, 2000.
- b. *11th annual meeting of the Spine Society of Europe*. Antwerpen, Belgium, 9-13 October, 2000.

15. The three dimensional evolution of scoliotic curvature during instrumentation without fusion in immature patients. A randomized prospective study.

Acaroglu E, **Alanay A**, Yazici M, Surat A.

- a. *35th annual meeting of SRS*. Cairns, Australia, October 18-21, 2000
- b. *11th annual meeting of the Spine Society of Europe*, Antwerpen, Belgium, 9-13 October, 2000

16. Intraobserver and interobserver reliability of dynamic computerized tomography (DCT) in the diagnosis of atlantoaxial rotatory subluxation in children.

Alanay A, Hicazi A, Acaroğlu E, Yazici M, Aksoy A, Surat A.

European Pediatric Orthopaedic Society (EPOS) meeting, Montpellier, France, 4-7 April 2001.

17. The safety and efficacy of pemberton osteotomy in the treatment of patients with developmental dysplasia of the hip (DDH) between ages 12 and 18 months.

Alanay A, Tokgözoğlu M, Aksoy C, Yazici M, Çil A, Tokgözoğlu N.

Annual meeting of Pediatric Orthopaedic Society of North America (POSNA), Salt Lake City; USA, May 2002.

18. Atlanto-axial rotatory subluxation (AARS) revisited. A computed tomographic analysis of acute torticollis in pediatric patients.

Hicazi A, Acaroglu E, **Alanay A**, Yazici M, Surat A.

- a. *Annual meeting of Pediatric Orthopaedic Society of North America (POSNA)*, Salt Lake City; USA, May 2002.
- b. *Annual meeting of European Pediatric Orthopaedic Society (EPOS)*, İstanbul, Turkey, April 17-20, 2002.

19. The course of non-surgical management of burst fractures with intact posterior ligamentous complex (PLC): An MRI study.

Alanay A, Yazici M, Acaroglu E, Turan E, Cila A, Surat A.

- a. *4th annual meeting of the Spine Society of Europe, Eurospine 2002*. Nantes, France. September 11-14, 2002 .
- b. *37th annual meeting of Scoliosis Research Society (SRS)*, Salt Lake City, USA, September 19-21 , 2002.
- c. *17th annual meeting of North American Spine Society (NASS)*, Montreal Canada, 28th October - 2nd November, 2002.

20. The residual rotation and tilt of the lowest instrumented level (LIV) in posterior instrumentation for adolescent idiopathic scoliosis (AIS). Are they really important Acaroglu E, Deviren V, **Alanay A**, Yazici M, Uzumcigil A, Cil A, Surat A.

4th annual meeting of the Spine Society of Europe, Eurospine 2002. Nantes, France. September 11-14, 2002.

6th International Congress on Spinal Surgery. Ankara, Turkey. 4-7 September 2002.

21. Sequential-simultaneous reconstruction of sagittal plane deformities of the thoracolumbar spine.

Alanay A, Asher M, Lai SM.

Annual meeting of the Spine Society of Europe, Eurospine 2002. Nantes, France, September 11-14 , 2002.

22. The efficacy of convex hemiophysiodesis in patients with iatrogenic posterior element deficiency due to diastematomyelia excision.

Yazici M, Uzumcugul A, Cil A, **Alanay A**, Ozisik P, Acaroglu E, Akalan N, Surat A.

- a. *Annual meeting of the Spine Society of Europe, Eurospine 2002*. Nantes, France, September 11-14 , 2002 .
- b. *37th annual meeting of Scoliosis Research Society (SRS)*, Salt Lake City, USA, September 19-21, 2002.

23. Efficacy of sacroiliac orthosis in the treatment of sacroiliac joint pain.

Dolunay E, Can F, **Alanay A.**

Annual meeting of Spine Society of Europe SSE, Prague, Czech Republic, September 30 – October 4, 2003.

24. Comparison of anterior plate vs. rod systems in treatment of tuberculosis spondylitis.

Benli T, **Alanay A,** Acaroglu A, Kis M, Akalin S, Aydin E.

Spineweek 2004, Porto, Portugal, May 30 – June 05, 2004.

25. Safety and efficacy of posterior instrumentation for patients with congenital scoliosis and spinal dysraphism.

Ayvaz M, **Alanay A,** Yazici M, Acaroglu E, Surat A.

SRS annual meeting 2004, Buenos Aires, Argentina ,September 6–9, 2004.

26. Implant Related Pain. Another Cause of Failed Lumbar Spine Surgery.

Alanay A, Vyas R, Shamie NA, Sciocia T, Wang J.

Scoliosis Research Society European Spine Meeting, Istanbul, Turkey, May 24-27, 2006.

27. The adjunctive effect of a binding peptide on bone morphogenetic protein in an animal spine fusion model.

Wei F, Hong S-W, Zou J, Tow B, **Alanay A,** Abitbol J-J, Wang J.

Annual Meeting of North American Spine Society, Austin, Texas,October 23 - 27, 2007.

28. The effect of Lumbar Flexion and extension on the central canal with dynamic MRI.

Alanay A, Chen C, Lee S, Brocha E, Murray S, Randolph G, Tsou P, Wang J.

Annual Meeting of North American Spine Society, Austin, Texas,October 23 - 27, 2007.

29. Motion at functional spinal unit with healthy and degenerated discs: A dynamic MRI study of lumbar spine.

Alanay A, Chen M, Chen C, Lee SH, Wu J, Wang JC.

Annual Meeting of North American Spine Society, Austin, Texas,October 23 - 27, 2007.

30. Kinematic analysis of relationship between the grade of disc degeneration and the motion unit in cervical spine.

Masashi M, Hong SW, Zou J, Tow B, **Alanay A**, Abitbol JJ, Wang JC.

Annual Meeting of North American Spine Society, Austin, Texas, October 23 - 27, 2007.

31. Spondylolisthesis in static MRI but found in dynamic MRIs with low back pain.

Hong SW, **Alanay A**, Yoon SH, Miyasaki M, Askhan M, Chen M, Wang JC. Missed.

Annual Meeting of North American Spine Society, Austin, Texas, May 11-12, 2007.

32. The relationship between disc degeneration and lumbar spine movement in dynamic MRI.

Askhan M, Hong SW, **Alanay A**, Chen M, Mudiyaam C, Wang JC.

Annual Meeting of North American Spine Society, Austin, Texas, October 23 - 27, 2007.

33. Nell-1 enhances bone formation in rat and sheep spinal fusion models.

Lu S, Whang J, Soo C, Zhang X, Aghaloo T, **Alanay A**, Napoli A, Ting K, Wang J.

Annual Meeting of North American Spine Society, Austin, Texas, October 23 - 27, 2007.

34. The effect of lentiviral gene therapy with bone morphogenetic protein-2 producing bone marrow cells on spinal fusion in rats.

Masashi M, Alanay A, Osamu B, Tow B, Jun Z, Feng W, Napoli A, Sintu C, Lieberman J, Wang J.

9th Annual Meeting of the Spine Society of Europe. Eurospine 2007, Brussels, October 3-6, 2007.

35. New strategy and decision making of whether the fusion should stop at L5 or extend to sacrum in the surgical treatment of neuromuscular scoliosis associated with severe pelvic tilt.

Hamzaoglu A, Ozturk C, **Alanay A**, Biscevic M, Karadereliler S, Tezer M.

Eurospine 2009, Warsaw, Poland, October 21 - 24, 2009.

36. Sequential-Simultaneous Posterior-Anterior-Posterior vs. Posterior Only Surgery for the Treatment of Posttraumatic Kyphosis.

Enercan M, **Alanay A**, **Ozturk C**, Karadereliler S,

16th International Meeting on Advanced Spine Techniques (IMAST). Vienna, Austria, July 15-18, 2009.

37. Pulmonary Cement Embolism after Multilevel Percutaneous Vertebroplasty

Ozturk C, **Alanay A**, Karadereliler S, Debre M, Aksu N, Hamzaoglu A.

16th International Meeting on Advanced Spine Techniques (IMAST). Vienna, Austria, July 15-18, 2009.

38. Posterior Vertebral Column Resection in Severe Congenital Kyphosis, Scoliosis and Kyphoscoliosis

Karadereliler S, Ozturk C, **Alanay A**, Aksu N, Karatoprak O, Hamzaoglu A.

a. *16th International Meeting on Advanced Spine Techniques (IMAST)*. Vienna, Austria, July 15-18, 2009.

b. *Eurospine 2009*, Warsaw, Poland, October 21 - 24, 2009.

39. Hemivertebra Resection Via Posterior Approach In Young Children With Congenital Deformities

Alanay A, Ozturk C, Aydogan M, Tezer M, Ganiyusufoglu K, Hamzaoglu A

Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

40. Does pedicle screw fixation under age five cause spinal canal narrowing? A CT study

Ozturk C, **Alanay A**, Tezer M, Enercan M, Ulusoy L, Hamzaoglu A.

Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

41. Posterior Subtotal Vertebrectomy For The Treatment Of Osteoporotic Fractures With Neurological Deficit

Karadereler S, Ozturk C, C, Aydogan M, Ulusoy L, **Alanay A**, Hamzaoglu A

Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

42. Posterior Subtotal Vertebrectomy Of Thoracic Burst Fractures With Spinal Cord And Chest Trauma

Karadereler S,Ozturk C, Aydogan M, **Alanay A**, Sirikci M, Hamzaoglu A
Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

43. Interradicular Bone-Disc-Bone Osteotomy (BDBO): An Alternative to Other Osteotomy Types for the Correction of Thoracolumbar and Lumbar Spine Deformities.

Ozturk C, Aydogan M, Karadereler S, Tezer M, **Alanay A**, Hamzaoglu A
Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

44. Surgical Treatment Of Cervical Degenerative Disc Disease With Myeloradiculopathy: Two-Level Anterior Discectomy Versus One Level Anterior Corpectomy

Alanay A, Ganiyusufoglu K, Karadereler S, Tezer M, Ozturk C, Hamzaoglu A
Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

45. Selective thoracic fusion in AIS by using pedicle screw constructs (PS): which factors influence spontaneous lumbar correction ?

Hamzaoglu A , Ozturk C, **Alanay A**, Tezer M, Karadereler S, I Ornek.
Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

46. Postoperative left shoulder elevation (LSE) in patients with non-structural proximal thoracic curves(pt): can it be prevented in patients with preoperative right shoulder elevation (RSE)?

Alanay A, Ozturk C, C , Enercan M , Ornek I, Tezer M, Hamzaoglu A
Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

47. Effect of Mechanical Aspiration of the Vertebral Body on Pulmonary Arterial Pressure Before Cement Injection in Vertebroplasty Procedure

Oklu E, Ozturk C, C , Karadereler S, Ulusoy L, **Alanay A**, Hamzaoglu A
Eurospine 2010, Vienna, Austria, 15-17 September, 2010.

48. Traction X-Ray Under General Anesthesia (TrUGA) Helps to Save Motion Segment in Surgical Treatment of Lenke Type 3C and 6C Curves.

- a. Ozturk C, **Alanay A**, Tezer M, Aydogan M, Ganiyusufoglu K, Hamzaoglu A, *45th Annual Meeting & Combined Course of Scoliosis Research Society (SRS)*. Kyoto, Japan, September 21-24, 2010
- b. *Eurospine 2010*, Vienna, Austria, 15-17 September, 2010.
- c. **Alanay A**, Ozturk C, Ornek I. *Global spine congress 2011*, Barcelona Spain, March 23-26, 2011.

49. Interradicular Bone-Disc-Bone Osteotomy (BDBO): An Alternative to Other Osteotomy Types for the Correction of Thoracolumbar and Lumbar Spine Deformities

- a. Ozturk C, Aydogan M, Karadereler S, Tezer M, **Alanay A**, Hamzaoglu A, *45th Annual Meeting & Combined Course of Scoliosis Research Society (SRS)*. Kyoto, Japan, September 21-24, 2010
- b. **Alanay A**, Ozturk C, Aydogan M. *Global spine congress 2011*, Barcelona Spain, March 23-26, 2011.

50. Is Vertebral Column Resection the Only Effective Treatment Option for Correction in Adolescent Patients with Complex Congenital Thoracic Kyphoscoliosis: The Safety and Efficacy of Posterior All Pedicle Screw Instrumentation Combined with Multiple Chevron and Concave Rib Osteotomies

Olgun ZD, Demirkiran HG, Ayvaz M, **Alanay A**, Yazici M, *17th International Meeting on Advanced Spine Techniques (IMAST)*, Toronto, Canada-July 21-24, 2010 .

51. Surgical Treatment of Cervical Degenerative Disc Disease with Myeloradiculopathy: Two-Level Anterior Discectomy vs. One-Level Anterior Corpectomy

Alanay A, Ganiyusufoglu K, Karadereler S, Aydogan M, Ozturk C, Hamzaoglu A. *17th International Meeting on Advanced Spine Techniques (IMAST)*, Toronto, Canada-July 21-24, 2010.

52. Hybrid Surgical Technique Combining Fusion and Disc Arthroplasty for the Treatment of Multilevel Cervical Degenerative Disc Disease

Aydogan M, Ozturk C, Tezer M, Karadereler S, **Alanay A**, Azmi Hamzaoglu.

17th International Meeting on Advanced Spine Techniques (IMAST), Toronto, Canada-July 21-24, 2010.

53. Comparison of Traction Radiographs Taken Under General Anesthesia with Conventional Flexibility Graphies in AIS Patients: Which is Better?

Ozturk C, **A Alanay**, M Aydogan, M Tezer, I Ornek, A Hamzaoglu

- a. *17th International Meeting on Advanced Spine Techniques (IMAST)*, Toronto, Canada, July 21-24, 2010 .
- b. *Eurospine 2010* , Vienna, Austria, September, 15-17, 2010.
- c. *Global spine congress 2011*. Barcelona Spain, March 23-26, 2011.

54. Surgical Management of Thoracolumbar Posttraumatic Kyphosis (Ptk): A Consecutive Case Series of 27 Patients

Korkmaz MF, **Alanay A**, Ozturk C, Enercan M, Aydogan M, Hamzaoglu A

Eurospine 2011, Milan, Italy, October 19-21, 2011.

55. Does pedicle screw fixation under age five disrupt vertebral growth? A computerized tomography study

- a. Ozturk C, **Alanay A**, Enercan M, Tezer M, Karadeniz E, Hamzaoglu A
Eurospine 2011, Milan, Italy, October 19-21, 2011.
- b. Ozturk C, **Alanay A**, Enercan M.
18th international meeting on advanced spine techniques (IMAST). Copenhagen Denmark, July 13-16, 2011.
- c. *46th Annual Meeting of Scoliosis Research Society*. Louisville, Kentucky. September 14-17, 2011.

56. Direct Repair Of Lumbar Spondylolysis Bysegmental Pedicle Screw-Infralaminar Hook Construct

Alanay a, Enercan M, Ozturk C, Sarier M, Karadereler S, Korkmaz MR, Hamzaoglu A.

Eurospine 2011, Milan, Italy, October 19-21, 2011.

57. Type 3 Hemivertebra Resection Via Posterior Approach In Young Children

- a. Enercan M, **Alanay A**, Ozturk C, Karadereler S, Sarier M, Hamzaoglu A.
Eurospine, Milan, Italy, 2011 October 19-21, 2011.
- b. **Alanay A**, Ozturk C.
18th international meeting on advanced spine techniques (IMAST), Copenhagen Denmark, July 13-16, 2011.

58. Effect of cementing on pulmonary arterial pressure in vertebroplasty: a comparison of 2 techniques.

Alanay A, Oklu E, Ozturk C, C.

Global spine congress 2011. Barcelona Spain, March 23-26, 2011.

59. Surgical treatment of cervical disc disease with myeloradiculopathy: Two level anterior discectomy versus one level anterior corpectomy.

Alanay A, Ozturk C, Ganiyusufoğlu K.

Global spine congress 2011. Barcelona Spain, March 23-26, 2011.

60. Tandem spinal stenosis: Dilemma in diagnosis and management.

Alanay A, Karadereler S, Ulusoy Y.

- a. *17th International Meeting on Advanced Spine Techniques (IMAST)* July 21-24, 2010, Toronto, Ontario, Canada
- b. *Eurospine 2010*, Toronto, Canada sept. 15-17, Vienna, Austria
- c. *Global spine congress 2011*, Barcelona, Spain, March 23-26, 2011.

61. Posterior subtotal vertebrectomy for the treatment of thoracic osteomyelitis.

Alanay A, Enercan M, Aydogan M.

Global spine congress 2011, Barcelona Spain, March 23-26, 2011.

62. Postoperative left shoulder elevation in patients with non-structural proximal thoracic curves: Can it be prevented ?

Alanay A, Ozturk C, Enercan M.

Global spine congress 2011, Barcelona Spain, March 23-26, 2011.

63. Bending vs. fulcrum vs. traction x-ray under general anesthesia (TRuGA) for evaluation of flexibility of curves and prediction of correction in patients with Adolescent Idiopathic Scoliosis: Which is better?

- a. 46th Annual Meeting of Scoliosis Research Society. Louisville, Kentucky. September 14-17, 2011.
- b. North American Spine Society (NASS), Annual meeting. DALLAS, USA, 24 – 27 Oct. 2012.
- c. Eurospine 2015, Copenhagen, Denmark, September, 2015

64. Effect of mechanical aspiration of the vertebral body on the pulmonary arterial pressure before cement injection in vertebroplasty procedure.

Alanay A, Oklu E, Ozturk C, C.

Global spine congress 2011, Barcelona Spain, March 23-26, 2011.

65. Kyphosis restoration or maintenance in patients with Lenke type 1 scoliosis treated by pedicle screw construct: is it really impossible by using 5.5 titanium rods?

- a. Ozturk C, **Alanay A**, Enercan M.
18th international meeting on advanced spine techniques (IMAST), Copenhagen Denmark, July 13-16, 2011.
- b. Ozturk C, **A Alanay**, M Enercan, E Karadeniz, M Balioglu, A Hamzaoglu
46th Annual Meeting of Scoliosis Research Society. Louisville, Kentucky. September 14-17, 2011.
- c. *Eurospine 2011, Milan, Italy, October 19-21, 2011.*

66. Modified posterior vertebral column resection for the treatment of osteoporotic fractures with neurological deficit in elderly patients.

Ozturk C, Alanay A, Enercan M.

18th international meeting on advanced spine techniques (IMAST), Copenhagen Denmark, July 13-16, 2011.

67. Cement augmented pedicle screw fixation in osteopenic patients: minimum 2 years follow-up of 1454 pedicle screws.

a. Ozturk C, **Alanay A**, Enercan M.

46th annual meeting of Scoliosis Research Society. Louisville Kentucky. September 14-17, 2011.

b. Ozturk C, **Alanay A**, Enercan M, Karadereler S, Tezer M, Hamzaoglu A.

Eurospine 2011, Milan, Italy, October 19-21, 2011.

68. Which Factors Influence Spontaneous Lumbar Curve Correction After Selective Thoracic Fusion In Lenke Type IB And C Curves?

Hamzaoglu A, Ozturk C, **Alanay A**; Enercan M; Karadeniz M; Karaca S.

a. *46th Annual Meeting of Scoliosis Research Society*. Louisville, Kentucky. September 14-17, 2011.

b. *Eurospine 2011*, Milan, Italy, October 19-21, 2011.

69. Comparison of outcomes of surgery performed in the second Decade vs. third and fourth Decades for idiopathic scoliosis.

Enercan M, Acaroglu E, **Alanay A**, Pellise F, Ozturk C, Kochai A, Kahraman S, Sanli T, Hamzaoglu A.

47th Annual Meeting & Course SRS. Chicago, IL, USA, September 5-8, 2012.

70. Safety and efficacy of instrumented Convex Growth Arrest in Treatment of Congenital Scoliosis.

Demirkiran HG, Yilmaz G, Akel I, Acaroglu E, **Alanay A**, Yazici M,

47th Annual Meeting & Course SRS. Chicago, IL, USA, September 5-8, 2012.

71. Comparison of Different X-ray Methods to Evaluate the Flexibility of Kyphosis in Scheuermann's Disease

Ozturk C, Kahraman S, Ulusoy L, Soydan R, Kochai A, **Alanay A**, Hamzaoglu A,

47th Annual Meeting & Course SRS. Chicago, IL, USA, September 5-8, 2012.

72. Is Intraoperative Prone Radiograph Helpful to Predict Radiographic Result for Lenke Type 1 and 3 Patients Treated by Selective Fusion?

Kahraman S, Enercan M, Ozturk C, Kochai A, Balioglu M, Sarier M, Hamzaoglu A, **Alanay A**
North American Spine Society (NASS), Annual meeting, DALLAS, USA, 24 – 27 October, 2012.

73. Posterior Vertebral Column Resection (PVCR) in Congenital Thoracic Lordoscoliosis

Enercan M, Ozturk C, Kahraman S, Ucar BY, Gumussuyu G, **Alanay A**, Hamzaoglu A,

a. *48th Annual Meeting & Course SRS*. Lyon, France, September 18-21, 2013.

b. *Eurospine 2013*, Liverpool, UK, 2-4 October, 2013.

74. The Adherence to Lenke Rules in Idiopathic Scoliosis: Are We Treating Adults Differently from Adolescents?

Pérez-Grueso JS, Buitrago M, Pellise F, Sàbat MD, **Alanay A**, Acaroglu E, Sánchez- Márquez JM, *European Spine Study Group*

48th Annual Meeting & Course SRS. Lyon, France, September 18-21, 2013.

Eurospine 2013, Liverpool, UK, 2-4 October, 2013.

75. Abnormal Sagittal Alignment in Neuromuscular Scoliosis: When is Treatment Required?

Alanay A, MD

48th Annual Meeting & Course SRS. Lyon, France, September 18-21, 2013.

Eurospine 2013, Liverpool, UK, 2-4 October, 2013.

76. Does It Make a Difference to Stop Fusion at L3 versus L4 in Terms of Disc and Facet Joint Degeneration: An MRI Study with Minimum Five-Year Follow Up

Enercan M, Kahraman S, Seckin MF, Sanli T, Kilic M, Ozturk C, Ulusoy OL, **Alanay A**, Hamzaoglu A.

a. *49th Annual Meeting & Course SRS*. Anchorage, Alaska, September 10-13, 2014.

b. *Eurospine 2014*. Lyon, France, October 1-3, 2014.

77. Re-Operation after Magnetically Controlled Growing Rod Implantation: A Review of 23 Patients with Minimum Two-Year Follow Up

Kenneth MC, Kwan K, Ferguson J, Nnadi C, **Alanay A**, Yazici M, Demirkiran G, Akbarnia BA,

49th Annual Meeting & Course SRS. Anchorage, Alaska, September 10-13, 2014.

78. Impact on Health-Related Quality of Life of Adult Spinal Deformity (ASD) Compared with Other Chronic Conditions

Pellise F, Vila-Casademunt A, Issa D, Sàbat MD, Bago J, Pérez-Gruesso JS, **Alanay A**, Acaroglu E, European Spine Study Group

49th Annual Meeting & Course SRS. Anchorage, Alaska, September 10-13, 2014.

79. Selective Thoracic Fusion (STF) Provides Similar HRQL but Can Cause More Lumbar Disc and Facet Joint Degeneration: A Comparison of AIS Patients with Normal Population 10 Years after Surgery

Kahraman S, Enercan M, Sanli T, Gokcen BH, Erturer E, Popovski N, Ozturk C, **Alanay A**, Hamzaoglu A.

a. *49th Annual Meeting & Course SRS*. Anchorage, Alaska, September 10-13, 2014.

b. *EuroSpine 2014*, Lyon, France, October 1-3, 2014.

80. Radiological Outcomes and Complications of S2 Alar-Iliac Fixation in Adult Patients with Osteoporotic Spine

Enercan M, Kahraman S, Gokcen B, Mutlu A, Erturer E, Ozturk C, **Alanay A**, Hamzaoglu A.

49th Annual Meeting & Course SRS. Anchorage, Alaska. September 10-13, 2014.

81. Clinical Tolerance to Sagittal Imbalance Varies with Age

Pellise F, Vila-Casademunt A, Sàbat MD, Bago J, **Alanay A**, Obeid I, Pérez-Gruesso JS, Acaroglu E, European Spine Study Group.

a. *47th Annual Meeting & Course* Chicago, IL, USA September 5-8, 2012

b. *49th Annual Meeting & Course* Anchorage, Alaska, September 10-13, 2014 (*SRS*)

c. *Eurospine 2014*. Lyon, France, October 1-3, 2014.

82. Sagittal Alignment of Cervical Spine in Adult Idiopathic Scoliosis

Aykac B, Ayhan S, Yuksel S, Guler OU, Pellise F, **Alanay A**, Pérez-Gruesso JS, Acaroglu E, European Spine Study Group (ESSG)

21st IMAST Valencia, Spain, July 16-19, 2014.

83. Reconstruction of Wide Laminectomy Defects with Femoral Strut Allograft (FSA) following Three-Column Osteotomies (3CO)

Enercan M, Kahraman S, Mutlu A, Kilic M, Erturer E, Ozturk C, **Alanay A**, Hamzaoglu A.

21st IMAST Valencia, Spain, July 16-19, 2014.

84. Global Tilt: A Single Parameter Incorporating The Spinal And Pelvic Sagittal Parameters And Least Affected By Patient Positioning.

Obeid I, Boissière L, Acaroglu E, **Alanay A**, Kleinstueck FS, Pérez-Gruoso SJ, Pellise F, Vital JM, European Spine Study Group (ESSG)

- a. 21st IMAST Valencia, Spain, July 16-19, 2014.
- b. *EuroSpine 2014*, Lyon, France, October 1-3, 2014

85. Management of osteoporotic fractures in elderly population

Yilgor C, Alanay A

5th International Conference For Pain Management, Prizren, September 2014

86. Surgical Correction of Posttraumatic Sharp Angular Kyphosis With PVCR

Enercan M, Kahraman S, Kilic M, Seckin F, Ozturk C, Sarier M, **Alanay A**, Hamzaoglu A.

Eurospine 2014, Lyon, France, october 1-3, 2014.

87. A Logistic Regression Model To Predict Complications In Complex Deformity Spine Surgery.

Pellisé F, Vila-Casademunt A, Mora L, Colomina MJ, Sàbat MD, Obeid I, Perez-Gruoso JS, **Alanay A**, Acaroglu E, European Spine Study Group

EuroSpine 2014, Lyon, France, october 1-3, 2014.

88. Safety And Efficacy of Osteotomies In Adult Spinal Deformity (ASD): What Happens In The First Year ?

Acaroglu E, Ayhan S, Aykac B, Yuksel S, Guler UO, Pellisé F, **Alanay A**, Perez-Gruoso SJ, European Spine Study Group

EuroSpine 2014, Lyon, France, october 1-3, 2014.

89. Impact On Health Related Quality Of Life Of Adult Spinal Deformity (ASD) Compared With Other Chronic Conditions

Pellisé F, Vila-Casademunt A, Ferrer M, Domingo-Sàbat M, Bagó J, Pérez-Gruoso FJ, **Alanay A**, Mannion AF, Acaroglu E, European Spine Study Group.

EuroSpine 2014, Lyon, France, october 1-3, 2014.

90. Could less be more in the assessment of patient-rated outcome in adult spinal Deformity?

Mannion AF, Vila-Casademunt A, Sàbat M, Wunderlin S, Acaroglu E, **Alanay A**, Pérez-Grueso, Ferran Pellisé SJ, Kleinstück F, European Spine Study Group
EuroSpine 2014, Lyon, France, october 1-3, 2014.

91. Which factors predict shoulder asymmetry in patients with lenke type 1 and 3 curves. Following pedicle screw instrumentation?

Enercan M, Kahraman S, Gokcen B, Sanli T, Ozturk C, Seckin F, **Alanay A**, Hamzaoglu A.

- a. *EuroSpine 2014*, Lyon, France, october 1-3, 2014.
- b. *North American Spine Society 29th Annual Meeting*. Moscone Center South, San Francisco, CA, November 12-15, 2014.

92. Effects of frequency of distraction in magnetically-controlled growing rod lengthening on outcomes and complications

- a. Yilgor C, Demirkiran G, Cheung K, Kwan K, Samartzis D, Ferguson J, Nnadi C, Helenius I, Yazici M, Akbarnia B, **Alanay A**
11th International Turkish Spine Congress, Çeşme, April, 2015
- b. Eurospine 2015, Copenhagen, Denmark, September, 2015
- c. Cheung K, Kwan K, Samartzis D, **Alanay A**, Ferguson J, Nnadi C, Helenius I, Yazici M, Demirkiran H, Akbarnia B
22nd International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July, 2015

93. The effect of magnetically-controlled growing rod on the sagittal profile in early onset scoliosis

Demirkiran G, Yilgor C, Cheung K, Kwan K, Samartzis D, Ferguson J, Nnadi C, Helenius I, **Alanay A**, Akbarnia B, Yazici M

- a. 11th International Turkish Spine Congress, Çeşme, April, 2015
- b. Eurospine 2015, Copenhagen, Denmark, September, 2015

94. Which factors influence the surgery vs. non-surgery decision for adult idiopathic scoliosis patients with gray zone (40-55°) main thoracic curves?

Yilgor C, Enercan M, Hamzaoglu A, Pellise F, Perez-Grueso JS, Acaroglu E, Obeid I, Kleinstück F, **Alanay A**

11th International Turkish Spine Congress, Çeşme, April, 2015

95. Global Tilt: A single parameter incorporating the spinal and pelvic parameters correlates with health-related quality of life

Yilgor C, Enercan M, Hamzaoglu A, Pellise F, Perez-Grueso JS, Acaroglu E, Obeid I, Kleinstück F, **Alanay A**

- a. 11th International Turkish Spine Congress, Çeşme, April, 2015
- b. Eurospine 2015, Copenhagen, Denmark, September, 2015
- c. Scoliosis Research Society 50th Annual Meeting & Course, Minneapolis, Minnesota, Sept-Oct, 2015

96. Mental health and self image perception of non-disabled adult idiopathic scoliosis patients having mild to moderate curves compared to normal population

Yilgor C, Enercan M, Hamzaoglu A, Pellise F, Perez-Grueso JS, Acaroglu E, Obeid I, Kleinstück F, **Alanay A**

11th International Turkish Spine Congress, Çeşme, April, 2015

97. Is radiographic control necessary after every lengthening of magnetically controlled growing rod?

Yilgor C, Alanay A

22nd International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July, 2015

98. Global Tilt and Lumbar Lordosis Index: Two Parameters to Understand Positive Balance Analysis

Boissiere L, Vital JM, Challier V, **Alanay A**, Pellise F, Perez-Grueso JS, Acaroglu E, Kleinstück F, Obeid I, ESSG European Spine Study Group
Eurospine 2015, Copenhagen, Denmark, September, 2015

99. Thoracic Curve in Adult Idiopathic Scoliosis: A diminishing problem with increasing age

Pizones J, Martin-Buitrago M, Perez-Grueso JS, Pellise F, **Alanay A**, Obeid I, Kleinstück F, Acaroglu E, ESSG European Spine Study Group
Eurospine 2015, Copenhagen, Denmark, September, 2015

100. Identifying the best treatment in adult spinal deformity (ASD): A Decision Analysis approach

Acaroglu E, Cetinyurek-Yavuz A, Guler UO, Pehlivan S, Yavuz Y, Domingo-Sabat M, Pellise F, Perez-Gruesso JS, **Alanay A**, Kleinstück F, Obeid I, ESSG European Spine Study Group
Eurospine 2015, Copenhagen, Denmark, September, 2015

101. Which radiographic parameters are associated with disc and facet degeneration in the lumbar curve after selective thoracic fusion in AIS: An MRI study with minimum 10 years follow up

Kahraman S, Enercan M, Gokcen B, Ulusoy L, Mutlu A, Sanli T, Erturer E, Ozturk C, **Alanay A**, Hamzaoglu A, Istanbul Spine Center
Eurospine 2015, Copenhagen, Denmark, September, 2015

102. Leg pain is a possible sagittal malalignment clinical presentation in adult spinal deformity surgery

Takemoto M, Boissiere L, Obeid I, Vital JM, Pellise F, Perez-Gruesso JS, Kleinstück F, Acaroglu E, **Alanay A**, ESSG European Spine Study Group
Eurospine 2015, Copenhagen, Denmark, September, 2015

103. Effect of treatment complications on the outcomes in adult spinal deformity: A decision analysis approach

Acaroglu E, Guler UO, Cetinyurek-Yavuz A, Pehlivan S, Yavuz Y, Domingo-Sabat M, Pellise F, **Alanay A**, Perez-Gruesso JS, Kleinstück F, Obeid I, ESSG European Spine Study Group
Eurospine 2015, Copenhagen, Denmark, September, 2015

104. Is preoperative fibrinogen plasma concentration a good bleeding predictor in adult spinal deformity surgery

Mora L, Vila-Casademunt A, Pellise F, Colomina JM, Domingo-Sabat M, Perez-Gruesso JS, **Alanay A**, Acaroglu E, Bago J, ESSG European Spine Study Group

105. Does pedicle screw fixation under age five cause spinal canal narrowing? A CT study with minimum five-years follow up

Kahraman S, Enercan M, Cobanoglu M, Yilar S, Ulusoy L, Mutlu A, Sanli T, Gokcen B, Ertuer E, Ozturk C, **Alanay A**, Hamzaoglu A.

22nd International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July, 2015

106. Distal iliac screw (DIS) fixation Technique: An alternative iliopelvic fixation technique in adult deformity surgery

Enercan M, Kahraman S, Gokcen B, Cobanoglu M, Yilar S, Sanli T, Ertuer E, Ozturk C, Sarier M, **Alanay A**, Hamzaoglu A.

22nd International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July, 2015

107. Implant Complications after Magnetic-Controlled Growing Rods for Early Onset Scoliosis: A Multicenter Retrospective Review

Choi E, Hosseini P, Mundis GM, Akbarnia B, Berk H, Helenius I, Ferguson J, Gregg T, La Rosa G, **Alanay A**, Senkoğlu A, Cheung K, Pawelek J, Yaszay B

22nd International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July, 2015

XIX: PEER-REVIEWED POSTER PRESENTATIONS:

1. Propofol infusion for intraoperative awakening during scoliosis surgery.

Ercelen Ö, Bulutçu E, Aypar Ü, Acaroğlu E, **Alanay A**, Erdem K.

Postgraduate assembly in anesthesiology. New York City, USA, 9-13 December, 1995.

2. Multiple dural ectasia associated with neurofibromatosis scoliosis. A case report.

Alanay A, Acaroğlu E, Surat A.

4th *International congress on spine surgery*. Izmir, Turkey, May 26-30, 1996.

3. Corrective surgery in congenital scoliosis with tethered cord.

Acaroglu E, **Alanay A**, Leblebicioğlu G, Surat A.

20th *world congress SICOT*. Amsterdam, Holland, 18-23 August 1996.

4. Protective effects of adenosine in acute spinal cord trauma.

Akpek E, **Alanay A**, Acaroglu E, Bulutçu E, Surat A, Erdem K.

- a. *8th annual meeting of the European Spine Society*, Kos Greece, 10-13 September, 1997.
- b. *34th annual meeting of SRS. San Diego, September 23-25,1999.*

5. Morphology of pediatric lumbar pedicles determined by spiral tomography.

Seneran H, Karcaaltincaba M, Yazici M, Acaroglu E, **Alanay A**.

12th annual meeting of the Spine Society of Europe, Gothenburg, Sweden, 2-8 September, 2001.

6. comparison of surgical and non-surgical treatment methods for burst fractures in terms of health related quality of life.

Alanay A, Turhan E, Acaroglu E, Yazici M, Genc Y, Surat A

- a. *Annual meeting of Spine Society of Europe SSE*, Prague, Czech Republic, September 30 – October 4,2003.
- b. *SRS presidential address 38th annual meeting, Quebec City, Quebec, Canada, September 10-13, 2003.*

7. Efficacy of long-segment structural allografts in anterior column reconstruction.

Caglar O, **Alanay A**, Acaroglu E, Yazici M, Surat A

Annual meeting of Spine Society of Europe 2003, Prague, Czech Republic, September 30 – October 4,2003.

8. The course of sagittal plane abnormality in the patients with congenital scoliosis managed with convex growth arrest.

Cil A, Yazici M, **Alanay A**, Acaroglu E, Uzumcugil A, Surat A.

Annual meeting of Spine Society of Europe 2003, Prague, Czech Republic, September 30 – October 4,2003.

9. The Effect of Pedicle Screw Placement with or without Compression on the morphology of the spinal canal and pedicle in Immature pigs.

Cil A, Muharrem Yazici, Daglioglu K, Aydingoz U, **Alanay A**, Acaroglu E, Gulsen M, Surat, A.

Annual meeting of Spine Society of Europe 2003, Prague, Czech Republic, September 30 – October 4,2003.

10. The evolution of sagittal segmental alignment of the spine during childhood.
Cil A, Yazici M, Uzumcugil A, Kandemir U, **Alanay A**, Acaroglu E, Alanay Y, Surat A
Annual meeting of Spine Society of Europe 2003, Prague, Czech Republic, September 30 – October 4, 2003.

11. Validity and reliability of adapted Turkish version of Scoliosis Research Society-22 (SRS-22) Questionnaire.

Alanay A, Cil A, Berk H, Uzumcugil A, Akcali O, Acaroglu E, Yazici M, Kosay C, Genc Y.
Annual meeting of SRS, Quebec City, September 10-13, 2003.

12. Reliability of different techniques for measuring the sagittal plane deformity in osteoporotic vertebral fractures.

Pekmezci M, Alanay A, Acaroglu E, Yazici M, Karaeminogullari O, Pijnenburg B, Genc Y, Surat A.
SpineWeek 2004, Porto, Portugal, May 30 – June 05, 2004.

13. How to Prevent Postoperative Shoulder Imbalance in Lenke Type 1 and 3 Curves with Negative T1 Tilt and Elevated Right Shoulder?

Hamzaoglu A, Ozturk C, Alanay A, Tezer M, Enercan M, Karatoprak O.

16th International Meeting on Advanced Spine Techniques (IMAST), Vienna, Austria, July 15-18, 2009.

14. New strategy and decision making of whether the fusion should stop at L5 or extend to sacrum in the surgical treatment of neuromuscular scoliosis associated with severe pelvic tilt.

Hamzaoglu A, Ozturk C, **Alanay A**, Biscevic M, Karadereliler S, Tezer M.

16th International Meeting on Advanced Spine Techniques (IMAST), Vienna, Austria, July 15-18, 2009.

15. Postoperative Left Shoulder Elevation in Patients with Non-Structural Proximal Thoracic Curves: Can it be Prevented in Patients with Preoperative Right Shoulder Elevation?

Alanay A, Ozturk C, Karadereler S, Ulusoy L, Enercan M, Hamzaoglu A.

17th International Meeting on Advanced Spine Techniques (IMAST), Toronto, Canada, July 21-24, 2010.

16. Posterior-Anterior-Posterior Surgery for Cervical Spondylotic Myelopathy Associated with Severe Kyphosis

Ozturk C, **Alanay A**, Aydogan M, Ganiyusufoglu K, Karadereler S, Hamzaoglu A.

17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.

17. Direct Repair of Lumbar Spondylolysis by Segmental Pedicle Screw – Intralaminary Hook Construct

Ozturk C, **Alanay A**, Enercan M, Karadereler S, Ulusoy L Hamzaoglu A.

17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.

18. Hemivertebra Resection via Posterior Approach in Young Children with Congenital Deformities

Alanay A, Ozturk C, Aydogan M, Tezer M, Ganiyusufoglu K, Hamzaoglu A.

17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.

19. Effect of Cementing on Pulmonary Arterial Pressure in Vertebroplasty (VP): A Comparison of Two Techniques

Oklu E, Ozturk C, Karaca S Karadereler S, **Alanay A**, Hamzaoglu A

17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.

20. Posterior Subtotal Vertebrectomy for the Treatment of Osteoporotic Fractures with Neurological Deficit

Karadereler S, Ozturk C, Aydogan M, Ulusoy L, **Alanay A**, Hamzaoglu A.

17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.

21. Posterior Subtotal Vertebrectomy of Thoracic Burst Fractures with Spinal Cord and Chest Trauma

Karadereler S, Ozturk C, Aydogan M, Ulusoy L, **Alanay A**, Enercan M, Hamzaoglu A.

17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.

22. Does Pedicle Screw Fixation Under Age Five Cause Spinal Narrowing? A CT Study
Ulusoy L, **Alanay A** ,Ozturk C, Ganiyusufoglu K, Enercan M, Hamzaoglu A.
17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.
23. Effect of Mechanical Aspiration of the Vertebral Body on Pulmonary Arterial Pressure Before Cement Injection in Vertebroplasty Procedure
Oklu E, Ozturk C, C , Karadereler S, Ulusoy L, **Alanay A**, Hamzaoglu A
17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.
24. Results of Simultaneous Cervical Surgery and Peripheral Nerve Release in Patients with Double Crush Syndrome
Tuncer S,Ozturk C, Ornek I, Karadereler S, **Alanay A**, Hamzaoglu A.
17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.
25. Selective Thoracic Fusion in AIS by Using Pedicle Screw Constructs (PS): Which Factors Influence Spontaneous Lumbar Correction?
Hamzaoglu A, **Alanay A**,Ozturk C, Enercan M, Tezer M, M Aydogan
17th International Meeting on Advanced Spine Techniques (IMAST). Toronto, Canada, July 21-24, 2010.
26. Posterior Subtotal Vertebrectomy for the Treatment of Thoracic Osteomyelitis in Elderly Patients
Enercan M,Ozturk C, Aydogan M, Karadereler S, **Alanay A**, Hamzaoglu A.
a. *17th International Meeting on Advanced Spine Techniques (IMAST)*. Toronto, Canada, July 21-24, 2010.
b. *18th International Meeting on Advanced Spine Techniques (IMAST)*. Copenhagen, Denmark, July 13-16, 2011.
27. Convex Growth Arrest in Immature Spine: Comparison of Posterior/Anterior Non-Instrumented and All-Posterior Pedicle Screw Instrumented Fusion in an Animal Model
Demirkiran HG, Bekmez S, Yilmaz G, Akel I, Atilla P, Muftuoglu S, Yazici M, **Alanay A**.
19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

28. Impact of Radiographic Parameters on HRQoL in Adult Spinal Deformity. The Lordosis Gap Better than Lumbar Lordosis?

Pellise F, Domingo-Sàbat M, **Alanay A**, Bago j, Vila-Casademunt A, Villanueva C, Hamzaoglu A, Acaroglu, European Spine Study Group

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

29. Radiological and Clinical Outcome of the Operated and Adjacent Segments Following Cervical Arthroplasty after a Minimum 24-Month Follow-Up: A Single Surgeon-Center Experience

Sirikci M, Enercan M, Kahraman S, Sarier M, Ornek I, Ulusoy L, Kochai A, Ozturk C, **Alanay A**, Hamzaoglu A.

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

30. Which Factors Predict Shoulder Asymmetry in Patients with Lenke Type 1 Curves Following Pedicle Screw Instrumentation?

Enercan M, Kahraman S, Ozturk C, Kochai A, Balioglu M, Sanli T, Hamzaoglu A, **Alanay A**

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

31. Bending vs. Fulcrum vs. Traction X-Ray under General Anesthesia (TRuGA) for Evaluation of Flexibility of Curves and Prediction of Correction in Patients with Adolescent Idiopathic Scoliosis: Which is Better ?

Enercan M, Ozturk C, Ulusoy L, Kahraman S, Kochai A, **Alanay A**, Sanli T, Hamzaoglu A.

- a. 19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.
- b. 47th Annual Meeting & Course SRS. Chicago, IL, USA, September 5-8, 2012.

32. The Curve Decompensation after Anterior Instrumentation of Scoliosis by VDS - Minimal Follow-Up of Ten Years

Biscevic M, Hamzaoglu A, Zjakic A, Ozturk C, **Alanay A**, Smrke D, Rejct Smrke B,

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

33. Clinical Tolerance to Sagittal Imbalance Varies with Age

Pellise, F, Domingo-Sàbat M, **Alanay A**, Bago J, Vila-Casademunt A, Villanueva C.

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

34. Surgical management of thoracic disc herniation. Single surgeon-single institute experience.

Aslan O, Enercan M, Kahraman S, Ozturk C, Sirikci M, Kochai A, **Alanay A**, Hamzaoglu A

a. *Eurospine Week 2012 Amsterdam*, May 28 - June 1, 2012.

b. *19th International Meeting on Advanced Spine Techniques (IMAST)*. Istanbul, Turkey, July 18-21, 2012

35. Adult Deformity: A Very Large Population of Patients with Different Needs

Acaroglu E, Domingo-Sàbat M, Guler U, Yakici S, Hamzaoglu A, **Alanay A**, Pellise, F.

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

36. Does Interbody Fusion at the Adjacent Disc Levels Reduce the Pseudarthrosis Rate of Thoracolumbar and Lumbar PSO?

Enercan M, Kochai A, Kahraman S, Ozturk C, Ornek I, Ulusoy L, **Alanay A**, Hamzaoglu A.

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

37. Surgical Treatment of Vertebral Infections via a Posterior Approach in Elderly Patients with Cardio-Pulmonary Comorbidities

Kahraman S, Enercan M, **Alanay A**, Kochai A, Ozturk C, Karakoc ZC, Hamzaoglu A.

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

38. Complications after Surgical Treatment of Adult Idiopathic Scoliosis

Pellise, F, **Alanay A**, Bago J, Acaroglu E, Vila-Casademunt A, Domingo-Sàbat M, Enercan M, Hamzaoglu A, European Spine Study Group

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

39. A Modified Technique to Prevent PJK Following Surgical Treatment of Scheuermann's Disease

Enercan M, Ozturk C, Kahraman S, Kochai A, **Alanay A**, Hamzaoglu A.

- a. 19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012
- b. 47th Annual Meeting & Course SRS. Chicago, IL, USA, September 5-8, 2012.

40. Complications after surgical treatment of adult idiopathic scoliosis

Pellise F, **Alanay A**, Bago J, Acaroglu E, Casademunt A, Domingo-Sàbat M, Enercan M, Hamzaoglu A.

47th Annual Meeting & Course SRS. Chicago, IL, USA, September 5-8, 2012.

41. Convex Instrumented Hemiepiphysiodesis with Concave Distraction: A New Treatment Modality for Long Sweeping Congenital Curves

Demirkiran HG, Dede O, Ayvaz M, **Alanay A**, Yazici M.

20th International Meeting on Advanced Spine Techniques (IMAST). Vancouver, BC, Canada, July 10-13, 2013.

42. Sacropelvic Fixation in Adult Spinal Deformity (ASD): A Very High Rate of Mechanical Failure

Acaroglu E, Yaman O, Guler UO, Pellise F, Vila-Casademunt A, Domingo-Sàbat M, **Alanay A**, Pérez-Grueso JS, European Spine Study Group

20th International Meeting on Advanced Spine Techniques (IMAST). Vancouver, BC, Canada, July 10-13, 2013.

43. Multiple Regression Analysis of Factors Affecting HRQL in Adult Spinal Deformity (ASD)

Acaroglu E, Guler UO, Yavuz Y, Pellise F, Domingo-Sàbat M, Yakici S, Genc Y, **Alanay A**, Pérez-Grueso JS, European Spine Study Group

20th International Meeting on Advanced Spine Techniques (IMAST). Vancouver, BC, Canada, July 10-13, 2013.

44. Global Tilt: A New Sagittal Plane Parameter Combining Spinal Balance and Pelvic Compensatory Mechanisms

Obeid I, Lafage V, **Alanay A**, Vital JM, Gille O, Bourghli A.

20th International Meeting on Advanced Spine Techniques (IMAST). Vancouver, BC, Canada, July 10-13, 2013.

45. Reliability of Sagittal Pelvic Parameters' Measurement Using the New SRS Computerized Tool.

The Effect of Lumbosacral Instrumentation and Measurement Experience

Pellise, F, Vila-Casademunt A, Acaroglu E, Pérez-Grueso JS, Martin-Buitrago MP, Sanli T, Yakici S, Frutos GA, Matamalas A, Márquez JM, Obeid I, Bago J, Alanay A, European Spine Study Group

20th International Meeting on Advanced Spine Techniques (IMAST). Vancouver, BC, Canada, July 10-13, 2013.

46. Posterior Vertebral Column Resection for Adult Spinal Disorders Efficacy, Complications and Risk Factors.

Kahraman S, Enercan M, Gumussuyu G, Ozturk C, Sanli T, Ucar BY, Sarier M, Soydan R, Zakout A, Hamzaoglu A, **Alanay A**.

Annual Meeting of the North American Spine Society (NASS), New Orleans, LA, 09-12 October 2013.

47. Prophylactic Vertebroplasty of Adjacent Nonfused Segment(s): Its Effect on Adjacent Discs and the Influence of Sagittal Malalignment on its Efficacy: An MRI Study.

Kahraman S, Enercan M, Gumussuyu G, Ozturk C, Sanli T, Ceylan F, Ulusoy F, Hamzaoglu A, **Alanay A**,

Annual Meeting of the North American Spine Society (NASS), New Orleans, LA, 09-12 October 2013.

48. Sacropelvic fixation in adult spinal deformity (ASD); A very high rate of mechanical failure

Acaroglu E, Yaman O, Guler O, Pellise F, Villa-Casademunt A, Domingo-Sàbat M, **Alanay A**.

Eurospine 2013 Liverpool, October 2 - 4, 2013.

49. Does the New SRS-Schwab Classification Suffice to Define Adult Spinal Deformity?

Pellisé f, Domingo-Sàbat M, Acaroglu E, Pérez-Grueso JS, **Alanay A**, Frutos GA, Vila-Casademunt A, Bagó J, ESSG European Spine Study Group

Eurospine 2013 Liverpool, October 2 - 4, 2013.

50. Posterior Vertebral Column Resection for Adult Spinal Disorders: Efficacy, Complications and Risk Factors

Enercan M, Gumussuyu G, Kahraman S, Ozturk C, Sanli T, Ucar BY, Soydan R, Abay B, Hamzaoglu A, **Alanay A**,

Eurospine 2013 Liverpool, October 2 - 4, 2013.

51. Augmentation of pedicle screws with cement helps to prevent mechanical failure in elderly patients with >5 levels instrumentation: A CT analysis of 688 pedicle screws
Enercan M, Kahraman S ,Ozturk C, Gumussuyu G, Sanli T, Ucar BY, Ulusoy L, Hamzaoglu A,
Alanay A,
Eurospine 2013 Liverpool, October 2 - 4, 2013.

52. Complications and risk factors in patients with age>50 afeter surgical treatment with instrumentation >5 levels :A single surgeon experience
Kahraman S, Gumussuyu G, Ozturk C, Ucar BY, Sanli T, Elkasem W, Zakaout A, Hamzaoglu A,
Alanay A,
Eurospine 2013 Liverpool, October 2 - 4, 2013.

53. Multiple regression analysis of factors affecting HRQL inadult spinal deformity (ASD)
Acaroglu E, Guler UO, Pellise F, Domingo-Sabat M, Yakici S, **Alanay A,** Perez-Grueso FS,
Yavuz Y, Genc Y
Eurospine 2013 Liverpool, October 2 - 4, 2013.

54. Is there a Global Consensus on Optimal Surgical Care for Adolescent Idiopathic Scoliosis?
A Delphi Study
de Kleuver M, Lewis S, **Alanay A,** Berven S, Cheung K, Lenke L, Polly D, Qiu Y, Shaffrey C, Ito
M, Kamper SJ, van Tulder M, Germscheid NM.
Eurospine 2013 Liverpool, October 2 - 4, 2013.

55. Aydinlar EI, Dikmen PY, Alanay A, Ozgen S.
Intraoperative monitoring of the bulbocavernous reflex.
*4th Congress international society of intraoperative neurophysiology. Capetown, November 11-
16 2013.*

56. Proximal Junctional Kyphosis Associated with Magnetically Controlled Growing Rod
Surgery for Early Onset Scoliosis
Cheung KM, Kwan K, Ferguson J, Nnadi C, **Alanay A,** Yazici M, Demirkiran HG, Akbarnia B,
49th Annual Meeting & Course SRS. Anchorage, Alaska, September 10-13, 2014.

57. Modified Posterior Vertebral Column Resection for the Treatment of Osteoporotic Fractures with Neurological Deficits in Elderly Patients
Enercan M, Erturer E, Kilic M, Popovski N, Seckin MF, Ozturk C, Talu U, **Alanay A**, Hamzaoglu A.

49th Annual Meeting & Course SRS. Anchorage, Alaska, September 10-13, 2014.

58. Combination of Distraction-based and growth guidance techniques by using magnetically controlled growing rod: A modified growth friendly technique

Yilgor C, Yener U, Aytar H, Ozgen S, **Alanay A**

11th International Turkish Spine Congress, Çeşme, April, 2015

59. Is radiographic control necessary after every lengthening of magnetically controlled growing rod?

Yilgor C, Yener U, Aytar H, Ozgen S, **Alanay A**

11th International Turkish Spine Congress, Çeşme, April, 2015

60. Which factors influence the surgery vs. non-surgery decision for adult idiopathic scoliosis patients with gray zone (40-55°) main thoracic curves?

Yilgor C, Enercan M, Hamzaoglu A, Pellise F, Perez-Gruesso JS, Acaroglu E, Obeid I, Kleinstück F, **Alanay A**, ESSG

Eurospine 2015, Copenhagen, Denmark, September, 2015

61. Mental health and self image perception of non-disabled adult idiopathic scoliosis patients having mild to moderate curves compared to normal population

Yilgor C, Enercan M, Hamzaoglu A, Pellise F, Perez-Gruesso JS, Acaroglu E, Obeid I, Kleinstück F, Alanay A, ESSG

a. Eurospine 2015, Copenhagen, Denmark, September, 2015

b. Scoliosis Research Society 50th Annual Meeting & Course, Minneapolis, Minnesota, Sept-Oct, 2015

62. Intraoperative neurophysiological monitoring to prevent new neurological deficits in spinal deformity surgery

Aydınlar EI, Dikmen PY, Yilgor Ç., **Alanay A**.

5th *Congress International Society of Intraoperative Neurophysiology*, Rio de Janeiro, Brazil, November 2015

XX. INVITED ARTICLES:

1. **Alanay A.** Point of view: Early Radiographic and Clinical Results of Balloon Kyphoplasty for the Treatment of Osteoporotic Vertebral Compression Fractures by Frank M. Phillips, M.D. et al. Spine 2003;28:2265-7.

XXI. CHAPTERS in TEXTBOOKS:

1) Surgical treatment of tuberculosis spondylitis

Acaroglu E, Alanay A.

In European Instructional Course Lectures. Volume 6, 2003, pp. 132-8.

2) Surgical management of tuberculosis of the spine

Alanay A, Olgun D.

In EFORT European Instructional Course Lectures, ed. George Bentley pp. 93-106. Publisher Springer

3) Principles of spinal instrumentation in the treatment of pediatric cervical, thoracic and lumbar injuries.

Alanay A, Olgun D.

In Spine and Spinal Cord Trauma. Evidence based management, ed. Vaccaro A, Fehlings M, Dvorak M, pp. 146-156. Publisher Thieme.

4) Pediatric Spine Infections.

Alanay A, Akel I.

In The Growing Spine. Management of spinal disorders in children. Ed. Akbarnia BA, Yazici M, Thompson GH, pp.107-118. Publisher Springer.

5) Instrumentation strategies in osteoporotic spine. How to prevent failure?

Alanay A, Yilgor C

In AOSpine Master Series, Vol 4. Adult Spinal Deformity. Eds: Lenke, Cheung

6) Pediatric Spinal infection (Acute)

Alanay A, Yilgor C

In The Growing Spine, 2nd edition. Eds: Akbarnia, Yazici, Thompson

7) Pediatric Cervical Spine

Alanay A, Yilgor C

In AOSpine Master Series, Vol 5. Spinal Trauma. Eds: Vaccaro, Oner

8) A Severe Kyphoscoliosis Deformity Treated by Preoperative Halo-Gravity Traction, Anterior Release Followed by Multilevel Ponte Osteotomies and Posterior Instrumentation

Alanay A, Demirkiran, G

In Complex Spine Cases: A Collection of Current Techniques. Eds: Gupta, Gupta, Vaccaro

9) Adult Scoliosis

Yilgor C, **Alanay A**

In Spine Surgery: Current Concepts and Evidence. Eds: Wang, Mroz

10) Cervical Spine Care In Sports

Selim A, **Alanay A**

In Sports Injuries:Prevention,Diagnosis,Treatment and Rehabilitation. Eds:Doral MN, Karlsson J

11) Spine Injuries on the Field

Enercan M, **Alanay A**, Hamzaoglu A

In Sports Injuries:Prevention,Diagnosis,Treatment and Rehabilitation. Eds:Doral MN, Karlsson J

XXII. FACULTY POSITION & LECTURES IN INTERNATIONAL MEETINGS & COURSES:

1. Vertebroplasty and Kyphoplasty.

6th International Congress on Spinal Surgery. Ankara, Turkey 4-7 September 2002.

2. Tuberculosis of Spine (Instructional Course Lecture)

6th Congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT). Helsinki, Finland. June 4-10, 2003.

3. Techniques of Deformity Correction

1st International Aegean Spine Course in collaboration with Cleveland Clinic Foundation, Izmir, Turkey, 2004

4. Treatment of lumbar degenerative scoliosis.

Middle-Ist spine meeting, Istanbul 16-18 July 2004.

5. Tuberculosis of spine

1st symposia for spinal deformity, Cairo, Egypt, 2004.

6. Treatment of thoracolumbar fractures

1st symposia for spinal deformity, Cairo, Egypt, 2004.

7. New developments in treatment of spinal stenosis

XXIII SICOT/SIROT Triennial World Congress. Istanbul, Turkey, 2-9 September 2005.

8. Spinal deformity

Sharpening your skills course, Henderson, NV USA, May 5-6, 2006.

9. Bone Substitutes and Spinal arthrodesis.

Egyptian Orthopaedic Association Annual national meeting. Cairo 2006

10. Adjacent Segment Disease after Fusion: A myth or a fact ?

Egyptian Orthopaedic Association Annual national meeting. Cairo 2006

11. Neuromuscular Scoliosis.

Surgical management of scoliosis and kyphosis: International mini symposium. Israel, 2006

12. Adjacent segment motion in normal/degenerative discs.

Pre-meeting course on adjacent segment degeneration: Novel Technology and the preservation of the adjacent segment.

21st North American Spine Society (NASS) Annual Meeting. Seattle, WA USA, 2006.

13. Advantages of dorsal over ventral surgery

Eurospine workshop: Idiopathic Scoliosis: Ventral, dorsal or combined ? Eurospine Annual meeting. Brussels, 2007.

14. Imaging of spinal stenosis

Symposium on spinal stenosis: Traditional Treatment and Emerging Technology at NASS annual meeting, Austin, Texas, 2007.

15. Symposium: Current treatment of spinal stenosis

FOSA specialty day, Annual AAOS meeting, San Francisco, 2008.

16. Osteoporotic VCF: Impact on health related quality of life of patients

Kyphoplasty rationale, limitations and indications for surgery

Kyphoplasty combined with internal fixation for treatment of non-osteoporotic fractures

Current concepts on motion preservation. Msida, Malta. June 19-21, 2008.

17. Classification of Adult scoliosis

SRS meeting in Spineweek. Geneva, Switzerland. May 2008.

18. Aetiology of IS- what do we know today ?

Preventive options for the progression of idiopathic scoliosis-where are we today ?

DePuy Spine workshop at Spineweek 2008, Geneva, Switzerland, May 2008.

19. The Evidence for interspinous spacers for lumbar

AO Spine meeting in SICOT. Hong Kong, August 2008.

20. Controversies in the management of thoracolumbar fractures

Management of congenital scoliosis with spinal dysraphism

SICOT meeting, Hong Kong. August 24-28, 2008

21. How to stop at L3 rather than L4 in AIS ?

Ed T Smith Lecture. *University of Houston TX USA, 2009.*

22. Diagnosis and treatment of osteoporotic fractures of spine

AO Spine course , Davos SWEDEN, December 2008.

23. Forum moderatorship, growing spine deformities

Prague, Czech Republic, January 2009

24. Adjacent segment degeneration after lumbar fusion, A myth or a fact ?

International conference on lumbar disc disease. New Delhi, India, March 2009.

25. Adolescent Idiopathic Scoliosis. Classification and selection of fusion levels.
SRS regional course, Cairo, Egypt, December 2009.

26. Bone substitutes for cervical fusion.
CSRS hands on course. Practical Anatomy Workshop. St. Louis, USA. January 2010.

27. Non-Operative Treatment- Casts and Braces
17th International Meeting on Advanced Spine Techniques (IMAST), Toronto, Canada, July 21-24, 2010.

28. Moderator, Adolescent Idiopathic Scoliosis & Complications
17th International Meeting on Advanced Spine Techniques (IMAST), Toronto, Canada, July 21-24, 2010.

29. Is bracing needed for thoracolumbar burst fractures
Dubai Spine Masters, Dubai, May 22-25, 2011.

30. Posterior subtotal vertebrectomy for treating osteoporotic fractures with neurological deficit in the elderly
Dubai Spine Masters, Dubai, May 22-25, 2011.

31. Bone graft alternatives for anterior fusion
4th CSRS Cervical spine decompression and stabilization techniques. A hands-on cadaver workshop. St. Louis, USA, January 27-29 2011.

32. Moderator; early onset scoliosis - Classification of early onset scoliosis
18th International Meeting on Advanced Spine Techniques (IMAST). July 13-16, 2011, Copenhagen, Denmark

33. Instrumentation related complications in osteoporotic spine and how to avoid them.
SICOT 2011 XXV Triennial World Congress, Prague, Czech Republic, 6-9 September 2011.

34. Osteotomies for severe rigid deformities. Which and when ?

-An update on treatment of congenital scoliosis

XIII Congresso da Sociedade Brasileira de Coluna, Campos Do Jordao-SP, Brasil, 28-20 April 2011.

35. Outcomes of surgical treatment in adult deformity

- Surgical management of tuberculosis of the spine

12th EFORT (European Federation of Orthopaedic and Traumatology) Congress, Copenhagen Denmark, 1-4 June 2011.

36. Moderator, Early Onset Scoliosis

18th International Meeting on Advanced Spine Techniques (IMAST), Copenhagen, Denmark, July 13-16, 2011.

37. Moderator, Optimal Treatment for Progressive 60-Degree Early Onset Scoliosis in 4-Year-Old

18th International Meeting on Advanced Spine Techniques (IMAST), Copenhagen, Denmark, July 13-16, 2011.

38. Surgical treatment of syndromic scoliosis

Early Onset Scoliosis Meeting, Christ Church, Oxford, UK, September 8-9, 2011.

39. Moderator, Adolescent Idiopathic Scoliosis

46th Annual Meeting of Scoliosis Research Society. Louisville, Kentucky, September 14-17, 2011.

40. Moderator, Early Onset Scoliosis

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

41. Moderator, Pediatric Deformity

19th International Meeting on Advanced Spine Techniques (IMAST). Istanbul, Turkey, July 18-21, 2012.

42. Moderator, My Worst Complication and Strategies to Prevent/Manage

20th International Meeting on Advanced Spine Techniques (IMAST). Vancouver, BC, Canada, July 10-13, 2013.

43. Congenital spine deformities: pathology specific solutions.
1st SRS regional Balkans Meeting. November 1-2,2013
44. Degenerative scoliosis associated with sagittal plane deformity: methods of management.
1st SRS regional Balkans Meeting. November 1-2,2013
45. The aging spine: deformity and osteoporotic spine.
The 8th international congress of Chinese Orthopaedic Association. November 7-10, 2013
46. Complication in Adult Deformity Surgery: How to minimize?
The 8th international congress of Chinese Orthopaedic Association. November 7-10, 2013
47. Neurologic Deterioration and Other Major Complications
49th Annual Meeting & Course of Scoliosis Research Society, Anchorage, Alaska September 10-13, 2014
48. Magnetically controlled growing rods (MCGR)
Eurospine-SRS Joint , Barcelona, Spain 2015 Spring Meeting, April 23-25, 2015
49. Anterior Vertebral Body Tethering: indications And Early Results
Eurospine-SRS Joint , Barcelona, Spain 2015 Spring Meeting, April 23-25, 2015
50. The Junctional Problem. How To Avoid PJK And DJK
Eurospine-SRS Joint , Barcelona, Spain 2015 Spring Meeting, April 23-25, 2015
51. Moderator, Early Onset Idiopathic Scoliosis (EOIS)
Eurospine-SRS Joint , Barcelona, Spain 2015 Spring Meeting, April 23-25, 2015
52. Debate: AIS -Thoracic (Lenke 1C) Curve: Full Coronal Correction / Implant Density
Eurospine-SRS Joint , Barcelona, Spain 2015 Spring Meeting, April 23-25, 2015
53. Managing Pharmacologic Anticoagulation in the Emergent operative setting
22nd International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July, 2015

54. Moderator, Two minute Presentations

22nd International Meeting on Advanced Spine Techniques, Kuala Lumpur, Malaysia, July,
2015