

## **Prof. Ahmet ALANAY**

### **Personal Information**

**Office Phone:** [+90 212 304 3636](tel:+902123043636)

**Email:** Ahmet.Alanay@acibadem.edu.tr

**Web:** <https://avesis.acibadem.edu.tr/ahmet.alanay>

**Address:** Acibadem Maslak Hastanesi Omurga Saęlıđı Ünitesi Büyükdere Cad. No:40 34457 Maslak Sarıyer İstanbul

### **Education Information**

Expertise In Medicine, Hacettepe University, Tıp Fakültesi (Türkçe), Cerrahi Tıp Bilimleri Bölümü, Turkey 1991 - 1996

Under Graduate, Ankara University, Ankara Faculty Of Medicine, Turkey 1982 - 1988

### **Foreign Languages**

German, B1 Intermediate

English, C2 Proficiency

### **Certificates, Courses and Trainings**

Health&Medicine, Spine Research Fellowship on Spinal Deformity, The University of Kansas Medical Center School of Medicine USA Department of Surgery Orthopedics Section, 1998

### **Research Areas**

Medicine, Health Sciences, Surgery Medicine Sciences, Orthopedics and Traumatology

### **Academic Titles / Tasks**

Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Surgeal Sciences, 2014 - Continues

Professor, Istanbul Bilim University, Faculty Of Medicine, Department Of Surgical Medical Sciences, 2009 - 2013

Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Cerrahi Tıp Bilimleri Bölümü, 2007 - 2009

Associate Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Cerrahi Tıp Bilimleri Bölümü, 2002 - 2007

Assistant Professor, Hacettepe University, Tıp Fakültesi (Türkçe), Cerrahi Tıp Bilimleri Bölümü, 1997 - 2002

### **Professional Experience**

Director, Acibadem Maslak Hospital, Comprehensive Spine Center, 2013 - Continues

### **Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes**

- I. **Development and validation of risk stratification models for adult spinal deformity surgery**  
Pellisé F., Serra-Burriel M., Smith J. S. , Haddad S., Kelly M. P. , Vila-Casademunt A., Pérez-Gruoso F. J. S. , Bess S., Gum J. L. , Burton D. C. , et al.  
Journal of Neurosurgery: Spine, vol.31, pp.587-599, 2019 (Journal Indexed in SCI)
- II. **Impact of resolved early major complications on 2-year follow-up outcome following adult spinal deformity surgery**  
Núñez-Pereira S., Pellisé F., Vila-Casademunt A., ALANAY A., Acaraglou E., Obeid I., Sánchez Pérez-Gruoso F. J. , Kleinstück F.  
European Spine Journal, vol.28, pp.2208-2215, 2019 (Journal Indexed in SCI)
- III. **Development of predictive models for all individual questions of SRS-22R after adult spinal deformity surgery: a step toward individualized medicine**  
Ames C. P. , Smith J. S. , Pellisé F., Kelly M., Gum J. L. , ALANAY A., Acaroğlu E., Pérez-Gruoso F. J. S. , Kleinstück F. S. , Obeid I., et al.  
European Spine Journal, vol.28, pp.1998-2011, 2019 (Journal Indexed in SCI)
- IV. **Development of Deployable Predictive Models for Minimal Clinically Important Difference Achievement Across the Commonly Used Health-related Quality of Life Instruments in Adult Spinal Deformity Surgery**  
Ames C. P. , Smith J. S. , Pellisé F., Kelly M. P. , Gum J. L. , ALANAY A., Acaroğlu E., Pérez-Gruoso F. J. S. , Kleinstück F. S. , Obeid I., et al.  
Spine, vol.44, pp.1144-1153, 2019 (Journal Indexed in SCI)
- V. **Adult spinal deformity surgical decision-making score: Part 1: development and validation of a scoring system to guide the selection of treatment modalities for patients below 40 years with adult spinal deformity**  
Fujishiro T., Boissière L., Cawley D. T. , Larrieu D., Gille O., Vital J., Pellisé F., Pérez-Gruoso F. J. S. , Kleinstück F., Acaroglu E., et al.  
European Spine Journal, vol.28, pp.1652-1660, 2019 (Journal Indexed in SCI)
- VI. **Artificial Intelligence Based Hierarchical Clustering of Patient Types and Intervention Categories in Adult Spinal Deformity Surgery: Towards a New Classification Scheme that Predicts Quality and Value**  
Ames C. P. , Smith J. S. , Pellisé F., Kelly M., Alanay A., Acaroglu E., Sanchez Perez-Gruoso F. J. , Kleinstueck F., Obeid I., Vila-Casademunt A., et al.  
Spine, vol.44, pp.915-926, 2019 (Journal Indexed in SCI)
- VII. **Responding to Intraoperative Neuromonitoring Changes During Pediatric Coronal Spinal Deformity Surgery**  
Lewis S. J. , Wong I. H. Y. , Strantzas S., Holmes L. M. , Vreugdenhil I., Bensky H., Nielsen C. J. , Zeller R., Lebel D. E. , de Kleuver M., et al.  
Global Spine Journal, vol.9, 2019 (Journal Indexed in SCI)
- VIII. **Impact of Adult Scoliosis on Roussouly Sagittal Shape Classification**  
Pizones J., Martin M. B. , Perez-Gruoso F. J. S. , Yilgor C., Vila-Casademunt A., Serra-Burriel M., Obeid I., ALANAY A., Acaroglu E. R. , Pellisé F.  
Spine, vol.44, pp.270-279, 2019 (Journal Indexed in SCI)
- IX. **Factors associated with having an indication for surgery in adult spinal deformity: an international european multicentre study**  
Richner-Wunderlin S., Mannion A. F. , Vila-Casademunt A., Pellisé F., Serra-Burriel M., Seifert B., Aghayev E., Acaroglu E., Alanay A., Perez-Gruoso F. J. S. , et al.  
European Spine Journal, vol.28, pp.127-137, 2019 (Journal Indexed in SCI)
- X. **Factors influencing patient satisfaction after adult scoliosis and spinal deformity surgery**  
Hayashi K., Boissière L., Guevara-Villazón F., Larrieu D., Núñez-Pereira S., Bourghli A., Gille O., Vital J., Pellisé F., Pérez-Gruoso F. J. S. , et al.  
Journal of Neurosurgery: Spine, vol.31, pp.408-417, 2019 (Journal Indexed in SCI)
- XI. **Restoring the ideal Roussouly sagittal profile in adult scoliosis surgery decreases the risk of**

## **mechanical complications**

Pizones J, Moreno-Manzanaro L, Sánchez Pérez-Grueso F. J. , Vila-Casademunt A, Yilgor C, Obeid I, ALANAY A, Kleinstück F, Acaroglu E. R. , Pellisé F.

European Spine Journal, 2019 (Journal Indexed in SCI)

- XII. **Opioids and analgesics use after adult spinal deformity surgery correlates with sagittal alignment and preoperative analgesic pattern**  
Bourghli A, Boissiere L, Larrieu D, Kaissar F, Cawley D, Fujishiro T, Kieser D, Gille O, Vital J, Alanay A, et al.  
European Spine Journal, 2019 (Journal Indexed in SCI)
- XIII. **Mental health status and sagittal spinopelvic alignment correlate with self-image in patients with adult spinal deformity before and after corrective surgery**  
Hayashi K, Boissière L, Guevara-Villazón F, Larrieu D, Bourghli A, Gille O, Vital J, Pellisé F, Pérez-Grueso F. J. S. , Kleinstück F, et al.  
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- XIV. **Adult spinal deformity surgical decision-making score. Part 2: development and validation of a scoring system to guide the selection of treatment modalities for patients above 40 years with adult spinal deformity**  
Fujishiro T, Boissière L, Cawley D. T. , Larrieu D, Gille O, Vital J, Pellisé F, Pérez-Grueso F. J. S. , Kleinstück F, Acaroglu E, et al.  
European Spine Journal, 2019 (Journal Indexed in SCI)
- XV. **Relative pelvic version: an individualized pelvic incidence-based proportional parameter that quantifies pelvic version more precisely than pelvic tilt**  
Yilgor C, Yavuz Y, Sogunmez N, Haddad S, Mannion A. F. , Abul K, Boissiere L, Obeid I, Kleinstück F, Pérez-Grueso F. J. S. , et al.  
Spine Journal, vol.18, pp.1787-1797, 2018 (Journal Indexed in SCI)
- XVI. **The impact of deep surgical site infection on surgical outcomes after posterior adult spinal deformity surgery: a matched control study**  
Haddad S, Nunez-Pereira S, Pigrau C, Rodriguez-Pardo D, Vila-Casademunt A, Alanay A, Acaroglu E. R. , Kleinstueck F. S. , Obeid I, Sanchez Perez-Grueso F. J. , et al.  
European Spine Journal, vol.27, pp.2518-2528, 2018 (Journal Indexed in SCI)
- XVII. **Decision-making factors in the treatment of adult spinal deformity**  
Fujishiro T, Boissière L, Cawley D. T. , Larrieu D, Gille O, Vital J, Pellisé F, Pérez-Grueso F. J. S. , Kleinstück F, Acaroglu E, et al.  
European Spine Journal, vol.27, pp.2312-2321, 2018 (Journal Indexed in SCI)
- XVIII. **External validation of the adult spinal deformity (ASD) frailty index (ASD-FI)**  
Miller E. K. , Vila-Casademunt A, Neuman B. J. , Sciubba D. M. , Kebaish K. M. , Smith J. S. , Alanay A, Acaroglu E. R. , Kleinstück F, Obeid I, et al.  
European Spine Journal, vol.27, pp.2331-2338, 2018 (Journal Indexed in SCI)
- XIX. **Impact of Iliac Instrumentation on the Quality of Life of Patients With Adult Spine Deformity**  
Martín-Buitrago M. P. , Pizones J, Sánchez Pérez-Grueso F. J. , Díaz Almirón M, Vila-Casademunt A, Obeid I, Alanay A, Kleinstück F, Acaroglu E. R. , Pellisé F.  
Spine, vol.43, pp.913-918, 2018 (Journal Indexed in SCI)
- XX. **Impact of early unanticipated revision surgery on health-related quality of life after adult spinal deformity surgery**  
Nunez-Pereira S, Vila-Casademunt A, Domingo-Sabat M, Bago J, Acaroglu E. R. , Alanay A, Obeid I, Sanchez Perez-Grueso F. J. , Kleinstueck F., Pellise F.  
Spine Journal, vol.18, pp.926-934, 2018 (Journal Indexed in SCI)
- XXI. **Sagittal radiographic parameters demonstrate weak correlations with pretreatment patient-reported health-related quality of life measures in symptomatic de novo degenerative lumbar scoliosis: A european multicenter analysis**  
Faraj S. S. A. , De Kleuver M, Vila-Casademunt A, Holewijn R. M. , Obeid I, Acaroglu E., ALANAY A, Kleinstück F, Pérez-Grueso F. S. , Pellisé F.

Journal of Neurosurgery: Spine, vol.28, pp.573-580, 2018 (Journal Indexed in SCI)

- XXII. **Analysis of factors affecting baseline SF-36 Mental Component Summary in Adult Spinal Deformity and its impact on surgical outcomes**  
Mmopelwa T., Ayhan S., YÜKSEL S., Nabyev V., Niyazi A., Pellise F., Alanay A., Perez Grueso F. J. S., Kleinstuck F., Obeid I., et al.  
Acta Orthopaedica et Traumatologica Turcica, vol.52, pp.179-184, 2018 (Journal Indexed in SCI)
- XXIII. **Factor analysis of the SRS-22 outcome assessment instrument in patients with adult spinal deformity**  
Mannion A. F., Elfering A., Bago J., Pellise F., Vila-Casademunt A., Richner-Wunderlin S., Domingo-Sabat M., Obeid I., Acaroglu E., Alanay A., et al.  
European Spine Journal, vol.27, pp.685-699, 2018 (Journal Indexed in SCI)
- XXIV. **An international consensus on the appropriate evaluation and treatment for adults with spinal deformity**  
Berven S. H., Kamper S. J., Girmscheid N. M., Dahl B., Shaffrey C. I., Lenke L. G., Lewis S. J., Cheung K. M., Alanay A., Ito M., et al.  
European Spine Journal, vol.27, pp.585-596, 2018 (Journal Indexed in SCI)
- XXV. **The Adult Deformity Surgery Complexity Index (ADSCI): a valid tool to quantify the complexity of posterior adult spinal deformity surgery and predict postoperative complications**  
Pellise F., Vila-Casademunt A., Nunez-Pereira S., Domingo-Sabat M., Bago J., Vidal X., Alanay A., Acaroglu E., Kleinstuck F., Obeid I., et al.  
Spine Journal, vol.18, pp.216-225, 2018 (Journal Indexed in SCI)
- XXVI. **NRS20: Combined back and leg pain score: A simple and effective assessment of adult spinal deformity**  
Cawley D. T., Larrieu D., Fujishiro T., Kieser D., Boissiere L., Acaroglu E., Alanay A., Kleinstück F., Pellisé F., Pérez-Grueso F. S., et al.  
Spine, vol.43, pp.1184-1192, 2018 (Journal Indexed in SCI)
- XXVII. **Unplanned Reoperations in Magnetically Controlled Growing Rod Surgery for Early Onset Scoliosis with a Minimum of Two-Year Follow-Up**  
Kwan K. Y. H., Alanay A., YAZICI M., Demirkiran G., Helenius I., Nnadi C., Ferguson J., Akbarnia B. A., Cheung J. P. Y., Cheung K. M. C.  
Spine, vol.42, 2017 (Journal Indexed in SCI)
- XXVIII. **Adult spinal deformity**  
Shaffrey C. I., Smith J. S., Ames C. P., Yagi M., Alanay A., Ha Y.  
Neurosurgical Focus, vol.43, 2017 (Journal Indexed in SCI)
- XXIX. **Relative lumbar lordosis and lordosis distribution index: Individualized pelvic incidence-based proportional parameters that quantify lumbar lordosis more precisely than the concept of pelvic incidence minus lumbar lordosis**  
Yilgor C., Sogunmez N., Yavuz Y., Abul K., Boissière L., Haddad S., Obeid I., Kleinstück F., Pérez-Grueso F. J. S., Acaroglu E., et al.  
Neurosurgical Focus, vol.43, 2017 (Journal Indexed in SCI)
- XXX. **Global Alignment and Proportion (GAP) Score: Development and Validation of a New Method of Analyzing Spinopelvic Alignment to Predict Mechanical Complications after Adult Spinal Deformity Surgery**  
Yilgor C., Sogunmez N., Boissiere L., Yavuz Y., Obeid I., Kleinstuck F., Perez-Grueo F. J. S., Acaroglu E., Haddad S., Mannion A. F., et al.  
Journal of Bone and Joint Surgery - American Volume, vol.99, pp.1661-1672, 2017 (Journal Indexed in SCI)
- XXXI. **Are sagittal spinopelvic radiographic parameters significantly associated with quality of life of adult spinal deformity patients? Multivariate linear regression analyses for pre-operative and short-term post-operative health-related quality of life**  
Takemoto M., Boissiere L., Vital J., Pellise F., Sanchez Perez-Grueso F. J., Kleinstuck F., Acaroglu E. R., Alanay A., Obeid I.  
European Spine Journal, vol.26, pp.2176-2186, 2017 (Journal Indexed in SCI)

- XXXII. **Lack of improvement in health-related quality of life (HRQOL) scores 6 months after surgery for adult spinal deformity (ASD) predicts high revision rate in the second postoperative year**  
Bourghli A, Boissiere L, Larrieu D, Vital J, Yilgor C, Pellisé F, Alanay A, Acaroglu E, Perez-Grueso F, Kleinstück F, et al.  
European Spine Journal, vol.26, pp.2160-2166, 2017 (Journal Indexed in SCI)
- XXXIII. **Decision analysis to identify the ideal treatment for adult spinal deformity: What is the impact of complications on treatment outcomes?**  
Acaroglu E, Guler U. O., Cetinyurek-Yavuz A, YÜKSEL S, Yavuz Y, Ayhan S, Domingo-Sabat M, Pellise F, Alanay A, Perez Grueso F. S., et al.  
Acta Orthopaedica et Traumatologica Turcica, vol.51, pp.181-190, 2017 (Journal Indexed in SCI)
- XXXIV. **Global tilt and lumbar lordosis index: two parameters correlating with health-related quality of life scores—but how do they truly impact disability?**  
Boissière L, Takemoto M, Bourghli A, Vital J, Pellisé F, Alanay A, Yilgor C, Acaroglu E, Perez-Grueso F. J., Kleinstück F, et al.  
Spine Journal, vol.17, pp.480-488, 2017 (Journal Indexed in SCI)
- XXXV. **Advantages and disadvantages of adult spinal deformity surgery and its impact on health-related quality of life**  
Yoshida G, Boissiere L, Larrieu D, Bourghli A, Vital J. M., Gille O, Pointillart V, Challier V, Mariey R, Pellisé F, et al.  
Spine, vol.42, pp.411-419, 2017 (Journal Indexed in SCI)
- XXXVI. **Does surgery for adult spinal deformity affect the cognitive abilities in patients over 50 years of age?**  
Nabiyev V, Ayhan S, YÜKSEL S, Niyazi A, Mmopelwa T, Domingo-Sabat M, Vila-Casademunt A, Pellise F, Alanay A, Sanchez Perez-Grueso F. J., et al.  
Turkish Neurosurgery, vol.27, pp.779-784, 2017 (Journal Indexed in SCI)
- XXXVII. **Function and clinical symptoms are the main factors that motivate thoracolumbar adult scoliosis patients to pursue surgery**  
Pizones J, Martin-Buitrago M. P., Perez-Grueso F. J. S., Vila-Casademunt A, Alanay A, Obeid I, Kleinstück F, Acaroglu E. R., Pellise F.  
Spine, vol.42, 2017 (Journal Indexed in SCI)
- XXXVIII. **Implant Complications after Magnetically Controlled Growing Rods for Early Onset Scoliosis: A Multicenter Retrospective Review**  
Choi E, Yaszay B, Mundis G, Hosseini P, Pawelek J, Alanay A, Berk H, Cheung K, Demirkiran G, Ferguson J, et al.  
Journal of Pediatric Orthopaedics, vol.37, 2017 (Journal Indexed in SCI)
- XXXIX. **Global tilt: a single parameter incorporating spinal and pelvic sagittal parameters and least affected by patient positioning**  
Obeid I, Boissière L, Yilgor C, Larrieu D, Pellisé F, Alanay A, Acaroglu E, Perez-Grueso F, Kleinstück F, Vital J, et al.  
European Spine Journal, vol.25, pp.3644-3649, 2016 (Journal Indexed in SCI)
- XL. **Expert's comment concerning Grand Rounds case entitled "A case of severe and rigid congenital thoracolumbar lordoscoliosis with diastematomyelia presenting with type 2 respiratory failure: managed by staged correction with controlled axial traction" by V. Kanagaraju et al. (Eur Spine J; doi:10.1007/s00586-014-3624-0)**  
Alanay A.  
European Spine Journal, vol.25, pp.3042-3043, 2016 (Journal Indexed in SCI)
- XLI. **Magnetically controlled growing rods for early-onset scoliosis**  
Hosseini P, Pawelek J, Mundis G. M., Yaszay B, Ferguson J, Helenius I, Cheung K. M., Demirkiran G, Alanay A, ŞENKÖYLÜ A, et al.  
Spine, vol.41, pp.1456-1462, 2016 (Journal Indexed in SCI)
- XLII. **A decision analysis to identify the ideal treatment for adult spinal deformity: is surgery better than non-surgical treatment in improving health-related quality of life and decreasing the disease**

## **burden?**

Acaroglu E., Yavuz A. C. , Guler U. O. , YÜKSEL S., Yavuz Y., Domingo-Sabat M., Pellise F., Alanay A., Perez Grueso F. S. , Kleinstück F., et al.

European Spine Journal, vol.25, pp.2390-2400, 2016 (Journal Indexed in SCI)

### **XLIII. Safety and efficacy of osteotomies in adult spinal deformity: what happens in the first year?**

Ayhan S., Aykac B., YÜKSEL S., Guler U. O. , Pellise F., Alanay A., Perez-Grueso F. J. S. , Acaroglu E., ESSG European Spine Study Group E.

European Spine Journal, vol.25, pp.2471-2479, 2016 (Journal Indexed in SCI)

### **XLIV. Sagittal malalignment has a significant association with postoperative leg pain in adult spinal deformity patients**

Takemoto M., Boissiere L., Novoa F., Vital J., Pellise F., Sanchez Perez-Grueso F. J. , Kleinstuck F., Acaroglu E. R. , Alanay A., Obeid I.

European Spine Journal, vol.25, pp.2442-2451, 2016 (Journal Indexed in SCI)

### **XLV. The Core Outcome Measures Index (COMI) is a responsive instrument for assessing the outcome of treatment for adult spinal deformity**

Mannion A., Vila-Casademunt A., Domingo-Sabat M., Wunderlin S., Pellisé F., Bago J., Acaroglu E., Alanay A., Pérez-Grueso F., Obeid I., et al.

European Spine Journal, vol.25, pp.2638-2648, 2016 (Journal Indexed in SCI)

### **XLVI. 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**

Sirikci M., Karaca S., Enercan M., Sarier M., Erdem M. N. , ALANAY A., Hamzaoğlu A.

Neurosurgery Quarterly, vol.26, pp.234-239, 2016 (Journal Indexed in SCI Expanded)

### **XLVII. Analysis of the reliability of surgeons' ability to differentiate between idiopathic and degenerative spinal deformity in adults radiologically. What descriptive parameters help them decide?**

Guler U. O. , YÜKSEL S., Yakici S., Domingo-Sabat M., Pellise F., Pérez-Grueso F. J. S. , Obeid I., Alanay A., Kleinstück F., Acaroglu E., et al.

European Spine Journal, vol.25, pp.2401-2407, 2016 (Journal Indexed in SCI)

### **XLVIII. Convex Instrumented Hemiepiphysiodesis with Concave Distraction: A Treatment Option for Long Sweeping Congenital Curves**

Demirkiran G., Dede O., AYVAZ M., Bas C. E. , Alanay A., YAZICI M.

Journal of Pediatric Orthopaedics, vol.36, pp.226-231, 2016 (Journal Indexed in SCI)

### **XLIX. Adult spinal deformity: A very heterogeneous population of patients with different needs**

Acaroğlu R. E. , Dede Ö., Pellisé F., Güler Ü. O. , Domingo-Sabat M., Alanay A., Pérez-Grueso F. S. , Kleinstück F., Obeid I., Pellisé F., et al.

Acta Orthopaedica et Traumatologica Turcica, vol.50, pp.57-62, 2016 (Journal Indexed in SCI)

### **L. Convex hemiepiphysiodesis: Posterior/anterior in-situ versus posterior-only with pedicle screw instrumentation: An experimental simulation in immature pigs**

Bekmez S., DEMİRKIRAN H. G. , YILMAZ G., Akel I., Atilla P., Muftuoğlu S. F. , YAZICI M., Alanay A.

Journal of Pediatric Orthopaedics, vol.36, pp.847-852, 2016 (Journal Indexed in SCI)

### **LI. The change of whole lumbar segmental motion according to the mobility of degenerated disc in the lower lumbar spine: a kinetic MRI study**

Lee S., Daffner S. D. , Wang J. C. , Davis B. C. , Alanay A., Kim J. S.

European Spine Journal, vol.24, pp.1893-1900, 2015 (Journal Indexed in SCI)

### **LII. Sagittal alignment of cervical spine in adult idiopathic scoliosis**

Aykac B., Ayhan S., YÜKSEL S., Guler U. O. , Pellise F., Alanay A., Perez-Grueso F. J. S. , Acaroglu E.

European Spine Journal, vol.24, pp.1175-1182, 2015 (Journal Indexed in SCI)

### **LIII. Sacropelvic fixation in adult spinal deformity (ASD); a very high rate of mechanical failure**

Guler U. O. , Cetin E., Yaman O., Pellise F., Casademut A. V. , Sabat M. D. , Alanay A., Grueso F. S. P. , Acaroglu E.

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### **LIV. Optimal surgical care for adolescent idiopathic scoliosis: an international consensus**

de Kleuver M., Lewis S. J. , Germscheid N. M. , Kamper S. J. , Alanay A., Berven S. H. , Cheung K. M. , Ito M., Lenke L. G.

- , Polly D. W. , et al.  
European Spine Journal, vol.23, pp.2603-2618, 2014 (Journal Indexed in SCI)
- LIV. **Torakolomber patlama kırıklarının pedikül vidası ve laminar kanca kombine tespiti ile tedavisi**  
KAYMAZ B., Demirkiran G., AYVAZ M., Akel I., Acaroglu E., Alanay A.  
Acta Orthopaedica et Traumatologica Turcica, vol.48, pp.152-156, 2014 (Journal Indexed in SCI)
- LVI. **Letters**  
KAYMAZ B., Golge U. H. , Goksel F., Alanay A.  
Spine, vol.39, pp.1261, 2014 (Journal Indexed in SCI)
- LVII. **Impact on health related quality of life of adult spinal deformity (ASD) compared with other chronic conditions**  
Pellise F., Vila-Casademunt A., Ferrer M., Domingo-Sabat M., Bago J., Perez-Grueso F. J. S. , Alanay A., Mannion A. F. , Acaroglu E.  
European Spine Journal, vol.24, pp.3-11, 2014 (Journal Indexed in SCI)
- LVIII. **Posterior all-pedicle screw instrumentation combined with multiple chevron and concave rib osteotomies in the treatment of adolescent congenital kyphoscoliosis**  
AYVAZ M., Olgun Z. D. , DEMİRKIRAN H. G. , Alanay A., YAZICI M.  
Spine Journal, vol.14, pp.11-19, 2014 (Journal Indexed in SCI)
- LIX. **Osteotomies/spinal column resection in paediatric deformity**  
Gokcen B., Yilgor C., ALANAY A.  
European Journal of Orthopaedic Surgery and Traumatology, vol.24, 2014 (Journal Indexed in SCI Expanded)
- LX. **Safety and efficacy of instrumented convex growth arrest in treatment of congenital scoliosis**  
Demirkiran G., Yilmaz G., Kaymaz B., Akel I., AYVAZ M., Acaroglu E., Alanay A., YAZICI M.  
Journal of Pediatric Orthopaedics, vol.34, pp.275-281, 2014 (Journal Indexed in SCI)
- LXI. **Core curriculum (CC) of spinal surgery: A step forward in defining our profession**  
Acaroğlu E., Kahraman S., ŞENKÖYLÜ A., Berk H., Caner H., ÖZKAN S., Alanay A., Demirkiran G., Derincek A., Erkan S., et al.  
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- LXII. **Traction X-ray under general anesthesia helps to save motion segment in treatment of Lenke type 3C and 6C curves**  
Hamzaoglu A., Ozturk C., Enercan M., Alanay A.  
Spine Journal, vol.13, pp.845-852, 2013 (Journal Indexed in SCI)
- LXIII. **Osteotomies/spinal column resections in adult deformity**  
Enercan M., Ozturk C., Kahraman S., Sarier M., Hamzaoglu A., Alanay A.  
European Spine Journal, vol.22, 2013 (Journal Indexed in SCI)
- LXIV. **Long-segment posterior instrumentation and fusion with freeze-dried allograft in congenital scoliosis**  
DEMİRKIRAN H. G. , Akel I., YILMAZ G., AYVAZ M., Alanay A., YAZICI M.  
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### **VIII. Thoracoscopic Vertebral Body Tethering for Adolescent Idiopathic Scoliosis: Minimum 2 years Results of Patients Reaching Skeletal Maturity**

Alanay A.

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### **IX. Brace and Weaned vs Brace and Operated Adolescent Idiopathic Scoliosis Patients: A Matched Cohort Analysis**

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