

Prof. Dr. Ahmet ALANAY

Kişisel Bilgiler

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Biyografi

Ahmet Alanay MD is a spine surgeon treating both adult and pediatric spinal disorders. He graduated from Ankara University Faculty of Medicine in 1988. He completed his residency in Hacettepe University, Department of Orthopedics and Traumatology from 1991 to 1996. He started his career as an assistant professor in the same department and became an associate professor in 2002 and a professor in 2007. He also completed a fellowship program on spinal deformities at University of Kansas Medical Center and was a visiting professor from 2005 to 2006 in UCLA School of Medicine.

Dr. Alanay established the Comprehensive Spine Center at Acibadem Maslak Hospital in 2013. Since then, he is the medical director of the center and is also a faculty member at Acibadem University School of Medicine. Each year, with his team, he treats over 2500 outpatients, operates approximately 200 patients and publishes more than 20 peer-reviewed publications in high-ranking international journals along with numerous national and international presentations at scientific meetings.

Dr. Alanay is an active member of medical associations including American Academy of Orthopaedic Surgeons, Scoliosis Research Society, North American Spine Society, Spine Society of Europe and many others. He was a member of the Board of Directors of Scoliosis Research Society between 2014 and 2016, where he still serves in the Education Committee and Safety & Value Committee. He was also in the executive committee of Spine Society of Europe between 2006 and 2012.

Dr. Alanay has been the pioneer of Vertebral Body Tethering surgery in Europe and has received many national and international honors and awards for his scientific studies. He personally contributes to the training of surgeons through the courses he organizes in all around the world.

He has been a founding member of the European Spine Study Group.

He is the President Elect of Eurospine.

Eđitim Bilgileri

Tıpta Uzmanlık, Hacettepe Üniversitesi, Tıp Fakóltesi, Cerrahi Tıp Bilimleri Bölümü, Türkiye 1991 - 1996
Lisans, Ankara Üniversitesi, Tıp Fakóltesi, Türkiye 1982 - 1988

Yabancı Diller

Almanca, A1 Başlangıç
İngilizce, C1 İleri

Araştırma Alanları

Tıp, Sağlık Bilimleri, Cerrahi Tıp Bilimleri, Ortopedi ve Travmatoloji

Akademik Unvanlar / Görevler

Prof. Dr., Acıbadem Mehmet Ali Aydınlar Üniversitesi, Tıp Fakóltesi, Cerrahi Tıp Bilimleri Bölümü, 2014 - Devam Ediyor

Verdiği Dersler

Ortopedi & FTR Vaka tartışma dersleri, Lisans, 2021 - 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Independent Prognostic Factors Associated With Improved Patient-Reported Outcomes in the Prospective Evaluation of Elderly Deformity Surgery (PEEDS) Study**
Hassan F. G., Lenke L. H., Berven S. P., Kelly M. S., Smith J. I., Shaffrey C. T., Dahl B., de Kleuver M., Spruit M., Pellise F., et al.
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- II. **The Influence of Multilevel Spinal Deformity Surgery on the EuroQol 5 Dimensions' (EQ-5D) Questionnaire and Residential Status in the Elderly: A Prospective, Observational, Multicenter Study**
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- III. **Sagittal alignment of diverse mechanical complications following adult spinal deformity surgery**
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- IV. **The Impact of Unplanned Reoperation Following Adult Spinal Deformity Surgery: A Prospective Longitudinal Cohort Study with 5-Year Follow-up**
Pellisé F., Bayo M. C., Ruiz De Villa A., Núñez-Pereira S., Haddad S., Barcheni M., Pizones J., Valencia M. R., Obeid I., ALANAY A., et al.
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- V. **Post-operative bracing following adult spine deformity surgery: Results from the AO Spine surveillance of post-operative management of patients with adult spine deformity**

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- VI. **Incidence of Tether Breakage in Anterior Vertebral Body Tethering**
Cahill P. J., Miyajima F., Lullo B. R., Samdani A. F., Lonner B. S., Pahys J. M., Hwang S. W., Haber L. L., Alanay A., Shah S. A., et al.
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- VII. **Reliability of a New Digital Tool for Photographic Analysis in Quantifying Body Asymmetry in Scoliosis**
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- VIII. **Rod Angulation Relationship with Thoracic Kyphosis after Adolescent Idiopathic Scoliosis Posterior Instrumentation**
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- IX. **Cost Benefit of Implementation of Risk Stratification Models for Adult Spinal Deformity Surgery**
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- X. **Fixed coronal malalignment (CM) in the lumbar spine independently impacts disability in adult spinal deformity (ASD) patients when considering the obeid-CM (O-CM) classification**
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- XI. **Adherence to the Obeid coronal malalignment classification and a residual malalignment below 20 mm can improve surgical outcomes in adult spine deformity surgery**
Baroncini A., Frechon P., Bourghli A. S., Smith J., Larrieu D., Pellise F., Pizones J., Kleinstueck F., ALANAY A., Kieser D. T., et al.
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- XII. **Rod angulation does not reflect sagittal curvature in adult spinal deformity surgery: comparison of lumbar lordosis and rod contouring**
Boissiere L., Guevara-villazon F., Bourghli A., Abdallah R., Pellise F., Pizones J., ALANAY A., Kleinstueck F., Larrieu D., Obeid I.
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- XIII. **Relationship between pelvic incidence-adjusted relative spinopelvic parameters, global sagittal alignment and lower extremity compensations**
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- XIV. **Comparison of Overall Complication Rates in VCR-Based vs Non-VCR-Based Corrective Techniques in Severe Rigid Kyphoscoliosis Patients: A Systematic Review and Meta-Analysis**
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- XV. **AO Spine Adult Spinal Deformity Patient Profile: A Paradigm Shift in Comprehensive Patient Evaluation in Order to Optimize Treatment and Improve Patient Care**
Naresh-Babu J., Kwan K. Y. H., Wu Y., YILGÖR İ. Ç., ALANAY A., Cheung K. M. C., Polly D. W., Park J., Ito M., Lenke L. G., et al.
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- XVI. **Sagittal realignment: surgical restoration of the global alignment and proportion score parameters:**

a subgroup analysis. What are the consequences of failing to realign?

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XVII. Revision surgery following long lumbopelvic constructs for adult spinal deformity: prospective experience from two dedicated databases

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XVIII. Does the use of postoperative brace help preventing mechanical complications following adult deformity surgery?

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XX. Association between sagittal alignment and loads at the adjacent segment in the fused spine: a combined clinical and musculoskeletal modeling study of 205 patients with adult spinal deformity

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XXI. Operative differences for posterior spinal fusion after vertebral body tethering: Are we fusing more levels in the end?

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XXII. Anterior Vertebral Body Tethering Compared with Posterior Spinal Fusion for Major Thoracic Curves A Retrospective Comparison by the Harms Study Group

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XXIII. Development of a mapping function ("crosswalk") for the conversion of scores between the Oswestry Disability Index (ODI) and the Core Outcome Measures Index (COMI)

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XXIV. Surgical site infection is a major risk factor of pseudarthrosis in adult spinal deformity surgery

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XXV. Prevalence of benign bone lesions of the lower extremity in the pediatric spinal disorders: a whole-body imaging study

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XXVII. Domino connector is an efficient tool to improve lumbar lordosis correction angle after pedicle

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XXIX. Comparison of short versus long fusion in the treatment of adult lumbar spinal deformity: surgical, radiographic and patient-reported outcomes.

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XXX. Impact of radiologic variables on item responses of ODI, SRS22 and SF-36. in adult spinal deformity patients: differential item functioning (DIF) analysis results from a multi-center database

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XXXI. Surgeons' risk perception in ASD surgery: The value of objective risk assessment on decision making and patient counselling

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Clinical, cosmetic and investigational dermatology, cilt.15, ss.621-630, 2022 (SCI-Expanded)

XXXIII. Quality metrics in adult spinal deformity surgery over the last decade: a combined analysis of the largest prospective multicenter data sets.

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XXXIV. Compensatory mechanisms recruited against proximal junctional kyphosis by patients instrumented from the thoracolumbar junction to the iliac

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EUROPEAN SPINE JOURNAL, cilt.31, sa.1, ss.112-122, 2022 (SCI-Expanded)

XXXV. Multiple-Rod Constructs Do Not Reduce Pseudarthrosis and Rod Fracture After Pedicle Subtraction Osteotomy for Adult Spinal Deformity Correction but Improve Quality of Life.

Bourghli A., Boissière L., Kieser D., Larrieu D., Pizones J., Alanay A., Pellisé F., Kleinstück F., Obeid I.
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XXXVI. Stratifying outcome based on the Oswestry Disability Index for operative treatment of adult spinal deformity on patients 60 years of age or older: a multicenter, multi-continental study on Prospective Evaluation of Elderly Deformity Surgery (PEEDS).

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XXXVII. Does vertebral body tethering cause disc and facet joint degeneration? A preliminary MRI study with minimum two years follow-up

Yucekul A., Akpunarli B., Durbas A., Zulemyan T., Havlucu I., Ergene G., Senay S., Dikmen P., Balci S. T., Karaarslan E., et al.

- SPINE JOURNAL, cilt.21, sa.11, ss.1793-1801, 2021 (SCI-Expanded)
- XXXVIII. **Obeid-Coronal Malalignment Classification Is Age Related and Independently Associated to Personal Reported Outcome Measurement Scores in the Nonfused Spine**
Kieser D. C., Boissiere L., Bourghli A., Hayashi K., Cawley D., YILGÖR İ. Ç., ALANAY A., Acaroglu E., Kleinstueck F., Pizones J., et al.
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- XXXIX. **Evaluation of Global Alignment and Proportion Score in an Independent Database.**
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- XL. **The Impact of Corrective Surgery on Health-Related Quality of Life Subclasses in Adult Scoliosis: Will Degree of Correction Prognosticate Degree of Improvement?**
Cawley D. T., Takemoto M., Boissiere L., Larrieu D., Kieser D. C., Fujishiro T., Hayashi K., Bourghli A., Yilgor C., Alanay A., et al.
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- XLI. **How frequent should the radiographic examination be to monitor magnetically controlled growing rods? A retrospective look two to seven years postoperatively**
YUCEKUL A., Tanriover H., Abul K., Ahmed A., Zulemyan T., Yilgor C., ALANAY A.
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- XLII. **The dynamics of satisfaction in surgical and non-surgical adult spinal deformity patients**
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- XLIII. **Prediction of satisfaction after correction surgery for adult spinal deformity: differences between younger and older patients**
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- XLIV. **Thoracoscopic Vertebral Body Tethering for Adolescent Idiopathic Scoliosis: Follow-up Curve Behavior According to Sanders Skeletal Maturity Staging.**
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- XLV. **Clinical Performance and Concurrent Validity of the Adult Spinal Deformity Surgical Decision-making Score**
Fujishiro T., Boissiere L., Cawley D. T., Larrieu D., Gille O., Vital J., Pellise F., Sanchez Perez-Grueso F. J., Kleinstueck F., Acaroglu E., et al.
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- XLVI. **Effect of lumbar pedicle subtraction osteotomy level on lordosis distribution and shape.**
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- XLVII. **What level of symptoms are patients with adult spinal deformity prepared to live with? A cross-sectional analysis of the 12-month follow-up data from 1043 patients.**
Mannion A. F., Loibl M., Bago J., Vila-Casademunt A., Richner-Wunderlin S., Fekete T. F., Haschtmann D., Jeszenszky D., Pellise F., Alanay A., et al.
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- XLVIII. **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**

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XLIX. Mental health status and sagittal spinopelvic alignment correlate with self-image in patients with adult spinal deformity before and after corrective surgery

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L. Opioids and analgesics use after adult spinal deformity surgery correlates with sagittal alignment and preoperative analgesic pattern

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LI. Restoring the ideal Roussouly sagittal profile in adult scoliosis surgery decreases the risk of mechanical complications

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LII. Development and validation of risk stratification models for adult spinal deformity surgery

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LIII. Impact of resolved early major complications on 2-year follow-up outcome following adult spinal deformity surgery

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LIV. 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-Grueso F. J. S., Kleinstück F. S., Obeid I., et al.

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LV. 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

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- LXXIII. **RELATIONSHIP BETWEEN ADULT SPINAL DEFORMITY SURGERY AND EMPLOYMENT, SICK LEAVES, RETURN TO WORK AND EARLY RETIREMENT: MINIMUM 5 YEARS FOLLOW-UP STUDY**
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- LXXIV. **Does vertebral body tethering cause disc and facet joint degeneration? An MRI study with minimum two years of follow-up**
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- LXXVII. **Assessing Key Functional Outcomes after Multilevel Fusion for Adult Spinal Deformity in Patients Over Sixty Years of Age: A Prospective, Observational, Multicenter Study with 2-Year Follow-Up**
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- LXXVIII. **Gain in HRQL after ASD Surgery is Maintained Between 2 and 5 Years' Follow-Up**
Alanay A.
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- LXXIX. **Pulmonary Function in Idiopathic Scoliosis after Fusion and Non-Fusion Surgeries: A Matched Cohort Analysis**
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- LXXX. **AO Adult Spine Deformity Patient Profile: A Paradigm Shift In Comprehensive Patient Evaluation In Order To Improve Patient Care**
Alanay A.
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- LXXXI. **The Impact of Unplanned Reinterventions Following ASD Surgery**
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- LXXXII. **Adverse Events in Multilevel Surgery in Elderly Patients with Spinal Deformity: Report of the Prospective Evaluation of Elderly Deformity Surgery (PEEDS)**
Alanay A.
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- LXXXIII. **Fixed Coronal Malalignment (CM) Independently Impacts Disability in Adult Spinal Deformity (ASD) Patients when Considering the Obeid-CM (O-CM) Classification**
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- LXXXIV. **Comparative Effectiveness of Ant-IF vs. Post-IF in ASD Surgery: A Propensity Score Based Analysis**
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- LXXXV. **Predicting Overcorrection in AVBT: Can We Improve Patient Selection?**
Alanay A.
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- LXXXVI. **Is Thoracoscopic VBT a Pulmonary Function Declining or Improving Surgery?**
Alanay A., Yucekul A., Yılgör İ. Ç., Ergene G., Senay S.
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- LXXXVII. **2 to 5-Years Follow-Up Results after Thoracoscopic VBT: A Single Surgeon's Experience**
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- LXXXVIII. **Operative Differences for PSF After VBT: Are We Fusing More Levels in the End?**
Alanay A.
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- LXXXIX. **Retrospective Matched Comparison Study on Anterior Vertebral Body Tethering (AVBT) vs. Posterior Spinal Fusion (PSF) for Primary Thoracic Curves**

Alanay A.

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- XC. **Tether Breakage in a Mature Thoracolumbar Double Row Vertebral Body Tethering Patient**
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- XCV. **IS THORACOSCOPIC VBT A PULMONARY FUNCTION DECLINING OR IMPROVING SURGERY?**
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- XCIX. **Does vertebral body tethering cause disc and facet joint degeneration? an MRI study with minimum 2-years follow-up**
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CV. **A Multicenter Comparative Analysis of AVBT to PSF in the Treatment of Lenke 5 Curves**
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CVI. **The Harms Study Group Retrospective Comparison Study on Anterior Vertebral Body Tethering (AVBT) versus Posterior Spinal Fusion (PSF) for Primary Thoracic Curves**
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CVII. **ASSOCIATION BETWEEN SAGITTAL ALIGNMENT AND ADJACENT SEGMENT LOADING AS PREDICTED BY PATIENT-SPECIFIC MUSCULOSKELETAL SIMULATIONS**
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CVIII. **ADULT CONGENITAL DEFORMITY: CLINICAL FEATURES AND MOTIVATIONS FOR SURGICAL TREATMENT**
Alanay A.
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CIX. **USE OF PREDICTIVE MACHINE LEARNING MODELS AT THE POPULATION LEVEL HAVE THE POTENTIAL TO SAVE COST BY DIRECTING ECONOMIC RESOURCES TO THOSE LIKELY TO IMPROVE MOST: A SIMULATION ANALYSIS STRATIFIED BY RISK IN LARGEST COMBINED US/EUROPEAN ASD REGISTRY**
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CXII. **QUALITY METRICS IN ADULT SPINAL DEFORMITY (ASD) SURGERY OVER THE LAST DECADE. A COMBINED ANALYSIS OF THE LARGEST PROSPECTIVE MULTICENTRIC DATASETS**
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CXIV. **Correlations of Pelvic Incidence-Based Relative Radiographic Parameters to Lower Extremity Compensations**
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CXV. **SRS-22r Score of a Prospective Evaluation of Elderly Deformity Surgery: A Prospective**

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- CXVI. **Efficacy of Adult Spinal Deformity Surgical Decision Making (ASD-SDM) Score in Patients Over 40 Years as an Indication for Surgical Management**
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- CXVII. **Change in Oswestry Disability Index at 24 months following Multilevel Spinal Deformity Surgery in Patients over 60 Years of Age: A Multicenter International Prospective Study**
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- CXVIII. **Use of Predictive Machine Learning Models at the Population Level Has the Potential to Save Cost by Directing Economic Resources to Those Likely to Improve Most: A Simulation Analysis Stratified by Risk in Largest Combined US/European ASD Registry**
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- CXIX. **Intraoperative Neuromonitoring Practice Patterns in Spinal Deformity Surgery**
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- CXX. **Quality Metrics in Adult Spinal Deformity (ASD) Surgery Over the Last Decade: A Combined Analysis of the Largest Prospective Multicentric Datasets**
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- CXXI. **Complications Unique to Vertebral Body Tethering: Complications that We Haven't Seen Before**
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- CXXII. **Forced Decision Tree Classifier for Determining Widespread Acting Features Affecting Mechanical Complications**
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- CXXIII. **From Prediction to Prevention in Assessment of Risk of Mechanical Complications**
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- CXXIV. **Thoracoscopic Vertebral Body Tethering for Patients with >30 Degree Upper Thoracic Curves**
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- CXXV. **Assessment of Sagittal Shape and Alignment Using ShortCassette Radiographs and Intraoperative Fluoroscopic Images for Predicting Mechanical Complications**
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- CXXVI. **Relative L4-S1 Lordosis: New PI-based Proportional Parameter that Aids the Interpretation of the Distribution of Lumbar Lordosis**
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- CXXVIII. **Predictive Surgical Planning and Initial Correction: Traditional Way by Using Growth Parameters (Risser, Menarche, Tanners, Sanders)**
Alanay A.

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CXXXIX. Growth Modulation with Thoracoscopic Vertebral Body Tethering for Patients with >60 Degree Main Thoracic Curves

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CXXXI. Correlation of Pelvic Incidence-Based Relative Radiographic Parameters to Lower Extremity Compensations

Alanay A.

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CXXXII. Thoracoscopic Vertebral Body Tethering for Adolescent Idiopathic Scoliosis: Minimum 2 years Results of Patients Reaching Skeletal Maturity

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CXXXIV. Forced Decision Tree Classifier for Determining Widespread Acting Features Affecting Mechanical Complications

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CXXXVI. Time-Dependent Interpretation of Mechanical Complications Using Cox Regression and Survival Analysis

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CXXXVII. Importance of Postoperative and Follow-up Information on Prediction of Mechanical Complications

Alanay A.

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CXXXVIII. Assessment of Sagittal Shape and Alignment Using Short-Cassette Radiographs and Intraoperative Fluoroscopic Images for Predicting Mechanical Complications

Alanay A.

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CXXXIX. Vertebral Body Tethering vs Posterior Instrumentation and Fusion for Adolescent Idiopathic Scoliosis: A Matched Cohort Analysis

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CXL. Brace and Weaned vs Brace and Operated Adolescent Idiopathic Scoliosis Patients: A matched Cohort Analysis

Alanay A.

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CXLI. Thoracoscopic Vertebral Body Tethering for Adolescent Idiopathic Scoliosis: Minimum 2 years

Results of Patients Reaching Skeletal Maturity

Alanay A.

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- CLXI. **Rölatif Spinopelvik Alignment (RSA): Sagital Dizilimi SVA'ya Kıyasla Daha İyi Belirleyen Yeni PItemelli Orantısal Parametre**
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- CLXII. **Rölatif Pelvik Versiyon (RPV): Pelvik Oryantasyonu Ölçen, Yeni PI-temelli Orantısal Parametrenin Pelvik Tilt ile Karşılaştırılması**
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- CLXIII. **Critical Age Thresholds for Surgical Complexity and Complication Rates in Adult Idiopathic Scoliosis**
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- CLXIV. **Which clinical parameters of the Schwab SRS classification system for ASD is significant in predicting treatment outcomes for surgically treated patients**

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- CLXV. **Cognitive Impairment Following Adult Spinal Deformity Surgery**

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

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

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- CLXXII. **Distal iliac screw fixation technique An alternative iliopelvic fixation technique in adult deformity surgery**

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Alanay A., MERC Non-fusion Scoliosis Correction, Çalıştay Organizasyonu, İsviçre, Kasım 2021
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Yayın: 405
Atıf (WoS): 3884
Atıf (Scopus): 5339
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MERC: Fusion vs Non-Fusion Scoliosis Correction Techniques Cadaveric Training Program, Oturum Başkanı, Barcelona, İspanya, 2023
Eurospine, Davetli Konuşmacı, Frankfurt, Almanya, 2023
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58TH SRS ANNUAL MEETING, Panelist, Washington, Amerika Birleşik Devletleri, 2023
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15. Uluslararası Türk Omurga Kongresi, Davetli Konuşmacı, İzmir, Türkiye, 2023
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30th International Meeting on Advanced Spine Techniques, Moderatör, Dublin, İrlanda, 2023
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Cutting Edge Meeting, Davetli Konuşmacı, Florida, Amerika Birleşik Devletleri, 2023
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AO Spine, Oturum Başkanı, İstanbul, Türkiye, 2023
Eurospine Annual Meeting, Moderatör, Milan, İtalya, 2022
SRS Annual Meeting, Davetli Konuşmacı, Stockholm, İsveç, 2022
INTERNATIONAL MEETING ON ADVANCED SPINE TECHNIQUES (IMAST), Moderatör, Florida, Amerika Birleşik Devletleri, 2022
30. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Davetli Konuşmacı, Antalya, Türkiye, 2021
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Eursopine, Moderatör, Vienna, Avusturya, 2021
SRS Annual Meeting, Moderatör, Missouri, Amerika Birleşik Devletleri, 2021
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Ödüller

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