

## Prof. BURAK AKESEN

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### Education Information

Expertise In Medicine, Bursa Uludağ University, TIP FAKÜLTESİ, Cerrahi Tıp Bilimleri Bölümü, Turkey 2001 - 2005

### Research Areas

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

### Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, TIP FAKÜLTESİ, CERRAHİ TIP BİLİMLERİ, 2012 - Continues

### Advising Theses

AKESEN B., Sıçan kırık iyileşmesi modelinde koenzim Q10 etkisi, Expertise In Medicine, A.AYCAN(Student), 2018

AKESEN B., İleri yaş deplase femur boyun kırıklarının tedavisinde hemiartroplasti ve total kalça artroplastisinin karşılaştırılması, Expertise In Medicine, F.CANŞAH(Student), 2017

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Riluzole is Effective on Spinal Decompression for Treating Acute Spinal Injury When Compared With Methylprednisolone and the Combination of Two Drugs: In Vivo Rat Model**  
Onder C., Onder C., AKESEN S., Yumusak E., AKESEN B.  
Global Spine Journal, vol.14, no.7, pp.1899-1908, 2024 (SCI-Expanded)
- II. **Statistical Shape Analyses of Pediatric Patients with Scoliosis After Surgical Correction**  
OCAKOĞLU G., TAŞKAPILIOĞLU M. Ö., KAYA İ., AKESEN B., DOĞAN Ş.  
Turkish Neurosurgery, vol.33, no.2, pp.252-257, 2023 (SCI-Expanded)
- III. **Bilateral bi-level erector spinae plane blocks in scoliosis surgery: a retrospective comparative study**  
AKESEN S., Güler S. B., AKESEN B.  
Acta Orthopaedica et Traumatologica Turcica, vol.56, no.5, pp.327-332, 2022 (SCI-Expanded)
- IV. **Comparison of efficacy between the genicular nerve block and the popliteal artery and the capsule**

**of the posterior knee (IPACK) block for total knee replacement surgery: A prospective randomized controlled study**

AKESEN S., AKESEN B., ATICI T., GURBET A., ERMUTLU C., ÖZYALÇIN A.

ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.55, no.2, pp.134-140, 2021 (SCI-Expanded)

- V. **Magnetically controlled growing rod in 13 patients with early-onset scoliosis and spinal improvement**  
AKESEN B., Ulusaloglu A. C., ATICI T., Ipek E.  
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.52, no.6, pp.438-441, 2018 (SCI-Expanded)
- VI. **The comparison of the results after spinal fusion with or without iliac screw insertion in the treatment of neuromuscular scoliosis**  
AKESEN B., ATICI T., Eken G., Ulusaloglu A. C.  
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.52, no.6, pp.435-437, 2018 (SCI-Expanded)
- VII. **Comparison of hemiarthroplasty and total hip arthroplasty in elderly patients with displaced femoral neck fractures**  
Barishan F. C., AKESEN B., ATICI T., DURAK K., BİLGEN M. S.  
JOURNAL OF INTERNATIONAL MEDICAL RESEARCH, vol.46, no.7, pp.2717-2730, 2018 (SCI-Expanded)
- VIII. **Solitary bone metastases of unknown origin**  
UĞRAŞ N., YALÇINKAYA Ü., AKESEN B., Kanat O.  
ACTA ORTHOPAEDICA BELGICA, vol.80, no.1, pp.139-143, 2014 (SCI-Expanded)
- IX. **Approach to supracondylar humerus fractures with neurovascular compromise in children**  
Aksakal M., Ermutlu C., Sarisozen B., AKESEN B.  
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.47, no.4, pp.244-249, 2013 (SCI-Expanded)
- X. **Iliosacral fixation after type-1 hemipelvectomy: a novel technique**  
Aydinli U., AKESEN B., YALÇINKAYA Ü., HAKYEMEZ B., Serifoglu R.  
ACTA ORTHOPAEDICA BELGICA, vol.78, no.3, pp.393-397, 2012 (SCI-Expanded)
- XI. **Long-term outcome of unreamed intramedullary nails in femur diaphyseal fractures**  
ÖZDEMİR B., AKESEN B., Demirag B., BİLGEN M. S., DURAK K.  
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.18, no.2, pp.147-152, 2012 (SCI-Expanded)
- XII. **Comparative results of percutaneous cannulated screws, dynamic compression type plate and screw for the treatment of femoral neck fractures**  
Kaplan T., AKESEN B., Demirag B., Bilgen S., DURAK K.  
ULUSAL TRAVMA VE ACIL CERRAHI DERGISI-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, vol.18, no.1, pp.65-70, 2012 (SCI-Expanded)
- XIII. **Validation of the Turkish version of the visual analog scale spine score in patients with spinal fractures**  
Yaray O., AKESEN B., Ocaklioglu G., Aydinli U.  
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.45, no.5, pp.353-358, 2011 (SCI-Expanded)
- XIV. **Long-term outcome after surgical treatment of thoracolumbar fractures versus a control group of healthy volunteers**  
Yaray O., AKESEN B., Aydinli U.  
ACTA ORTHOPAEDICA BELGICA, vol.77, no.1, pp.93-96, 2011 (SCI-Expanded)
- XV. **Ayak ve ayak bileği yaralanmaları acilleri**  
AKESEN B., DURAK K.  
Turkiye Klinikleri Tıp Bilimleri Dergisi, no.3(3), pp.50-54, 2011 (SCI-Expanded)
- XVI. **Akut Patella Çıkıkları**  
AKESEN B., BİLGEN M. S., DURAK K.  
Turkiye Klinikleri Tıp Bilimleri Dergisi, no.4, pp.66-72, 2011 (SCI-Expanded)
- XVII. **The comparison of the negative effect of autoclaving and pasteurization on bone healing**  
Vural R., AKESEN B., Karakayali M., YALÇINKAYA Ü., Aydinli U.  
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.44, no.4, pp.322-327, 2010 (SCI-Expanded)

- XVIII. **Evaluation of intra-articular collagenase, TIMP-1, and TNF-alpha levels before and after anterior cruciate ligament reconstruction**  
AKESEN B., Demirag B., BUDAK F.  
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.43, no.3, pp.214-218, 2009 (SCI-Expanded)
- XIX. **A Biomechanical Evaluation of Three Revision Screw Strategies for Failed Lateral Mass Fixation**  
Hostin R. A., Wu C., Perra J. H., Polly D. W., Akesen B., Wroblewski J. M.  
SPINE, vol.33, no.22, pp.2415-2421, 2008 (SCI-Expanded)
- XX. **Revision of loosened iliac screws - A biomechanical study of longer and bigger screws**  
Akesen B., Wu C., Mehbod A. A., Sokolowski M., Transfeldt E. E.  
SPINE, vol.33, no.13, pp.1423-1428, 2008 (SCI-Expanded)
- XXI. **Biomechanical evaluation of paracoccygeal transsacral fixation**  
Akesen B., Wu C., Mehbod A. A., Transfeldt E. E.  
JOURNAL OF SPINAL DISORDERS & TECHNIQUES, vol.21, no.1, pp.39-44, 2008 (SCI-Expanded)
- XXII. **Postoperative lumbar epidural hematoma - Does size really matter?**  
Sokolowski M. J., Garvey T. A., Perl J., Sokolowski M. S., Akesen B., Mehbod A. A., Mullaney K. J., Dykes D. C., Transfeldt E. E.  
SPINE, vol.33, no.1, pp.114-119, 2008 (SCI-Expanded)
- XXIII. **Interobserver reliability in evaluation of pedicle screw positions inserted with a modified technique**  
Ozer O., Ozturk C., AKESEN B., Aydinli U.  
ACTA ORTHOPAEDICA BELGICA, vol.73, no.4, pp.491-499, 2007 (SCI-Expanded)
- XXIV. **Comparison of two techniques in hemivertebra resection: transpedicular eggshell osteotomy versus standard anterior-posterior approach**  
Aydinli U., Ozturk C., Temiz A., AKESEN B.  
EUROPEAN JOURNAL OF ORTHOPAEDIC SURGERY AND TRAUMATOLOGY, vol.17, no.1, pp.1-5, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **COMPARING THE TRAJECTORY ACCURACY OF PEDICLE SCREWS PLACED WITH A FREE-HAND TECHNIQUE AND A THREE-DIMENSIONAL COMPUTED TOMOGRAPHY-ASSISTED NAVIGATION SYSTEM IN SPINE SURGERY: A RETROSPECTIVE STUDY**  
Cetiner E., AKESEN S., Billgin Y., Onder C., Guler S. B., AKESEN B.  
JOURNAL OF ISTANBUL FACULTY OF MEDICINE-ISTANBUL TIP FAKULTESI DERGISI, vol.86, pp.138-144, 2023 (ESCI)
- II. **Osteoporotik Omurga KırıklarındaVertebroplasti, Kifoplasti**  
AKESEN B.  
Türkiye Klinikleri Tıp Bilimleri Dergisi, no.8, pp.34-42, 2015 (Scopus)
- III. **Osteosarkom: olgu sunumu**  
AKESEN B.  
Uludağ Üniversitesi Tıp Fakültesi Dergisi, no.38, pp.147-151, 2012 (Peer-Reviewed Journal)
- IV. **Çok seviye dejeneratif lomber spinal stenozda cerrahi tedavinin fonksiyonel sonuçları**  
AKESEN B.  
The Journal Of Turkish Spinal Surgery, no.22(4), pp.275-84, 2011 (Peer-Reviewed Journal)
- V. **Lomber omurga tüberkülozunda ikili antibiyoterapi ve cerrahinin uzun dönem sonuçları**  
AKESEN B., ERMUTLU C., GÖKSEL F., AYDINLI U.  
Journal of Turkish Spinal Surgery, vol.21, no.4, pp.351-362, 2010 (Peer-Reviewed Journal)

## Books & Book Chapters

**I. OMUZ İNSTABİLİTESİ**

ATICI T., ALP N. B., AKESEN B.

in: KLİNİK SPOR HEKİMLİĞİ, Tolga Saka, Editor, GÜNEŞ TIP KİTABEVLERİ, Ankara, pp.341-346, 2021

**II. Omurga ve Pelvis**

AKESEN B.

in: Pediatrik Ortopedinin Temelleri, Sarisözen Mehmet Bartu, Editor, Kongre Kitabevi, Antalya, pp.231-258, 2020

**III. pancoast tümörleri ve cerrahi tedavisi**

AKESEN B., aydınlı u., GEBİTEKİN C.

in: omurga ve spinal kord tümörlerinin tanı ve tedavisi, ufuk aydınlı, serdar kahraman, erol yalnız, Editor, türk omurga derneği yayınları-3, pp.217-228, 2016

**Refereed Congress / Symposium Publications in Proceedings**

- I. El Cerrahisi Planlanan Hastalarda Wide-Awake Local Anesthesia No Tourniquet (WALANT) Tekniği ve İnfraklaviküler Bloğun Etkinliklerinin Karşılaştırılması**  
AKESEN S., ULUTAŞ E., EKEN G., Güler S. B., ALAGAŞ T., Erkinbekova B., TÜRKER Y. G., AKESEN B.  
Uluslararası Katılımlı Ulusal Rejyonel Anestezi Kongresi RADKON 2023, Aydın, Turkey, 19 - 20 May 2023, pp.420-426
- II. YOĞUN BAKIM YATIŞ ÖYKÜSÜNÜN POSTERİOR SPİNAL FÜZYON CERRAHİSİ SONRASI GELİŞEN CERRAHİ ALAN ENFEKSİYONLARINA ETKİSİ**  
GÜLER S. B., AKESEN S., ERMUTLU C., AKESEN B.  
30. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 09 November 2021
- III. BILATERAL BILEVEL ERECTOR SPINAE PLANE BLOCKS IN SCOLIOSIS SURGERY: A RETROSPECTIVE STUDY**  
AKESEN S., GÜLER S. B., AKESEN B.  
1. İZMİR ULUSLARARASI ORTOPEDİK TRAVMA KURSU, İzmir, Turkey, 05 November 2021
- IV. Augmenting Posterolateral Fusion With TLIF Cage Improves Clinical Outcome Of Posterior Decompression But Not The Fusion Rates**  
ATICI T., AKESEN S., AKESEN B., ERMUTLU C., ÖZYALÇIN A.  
The European Federation of National Associations of Orthopaedics and Traumatology Congress. 1st Virtual EFORT Congress, Viyana, Austria, 28 - 30 October 2020
- V. Total Diz Protezi Cerrahasinde IPACK Blok ve Geniküler Blok Etkinliğinin Karşılaştırılması (A Comparison of interspace between the popliteal artery and the capsule of the posterior knee (IPACK) and genicular block for total knee replacement surgery)**  
AKESEN S., AKESEN B., ATICI T., GURBET A., ERMUTLU C., ÖZYALÇIN A.  
Türk Anesteziyoloji ve Reanimasyon Derneği Ulusal Kongresi - TARK 2020, Online Kongre, Turkey, 28 - 30 October 2020
- VI. Erken görülen skolyoz olgularında manyetik rod uygulaması: Tek rod uygulamalarında ortalama 21 aylık sonuçlarımız**  
AKESEN B., ULUSALOĞLU A. C., EKEN G.  
25. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Turkey, 27 October 2015, vol.49, pp.214
- VII. Outcomes of cable fixation after periprosthetic femoral fractures**  
SARISÖZEN M. B., DURAK K., AKESEN B., ATICI T., ÖZYALÇIN A.  
Scientific and Practical Conference of Traumatologists Orthopaedics of Uzbekista, Uzbekistan, 08 June 2019
- VIII. Clinical Outcomes of Total Hip Arthrolasty After Proksimal Femur Fractures at Old Populations**  
AKESEN B., DURAK K., SARISÖZEN M. B., ATICI T., ÖZYALÇIN A.  
Scientific and Practical Conference of Traumatologists Orthopaedics of Uzbekistan, Uzbekistan, 08 June 2019
- IX. Clinical and radiological outcomes for reverse shoulder arthroplasty after proximal humerus fractures**  
DURAK K., SARISÖZEN M. B., ATICI T., AKESEN B., ÖZYALÇIN A.

Scientific and Practical Conference of Traumatologists Orthopaedics of Uzbekista, Uzbekistan, 08 June 2019

- X. **Early clinical and radiological results of reverse Shoulder Arthroplasty Procedure was applied due to rotator cuff arthropaty**  
ATICI T., SARISÖZEN M. B., DURAK V. A., AKESEN B., ÖZYALÇIN A.  
Scientefic and pratical conference of TraumatologistsOrthopaedics of Uzbekistan, 8 - 09 June 2019
- XI. **Early clinical and radiological results of cases of patients to whom inverted shoulder arthroplasty was applied due to rotator cuff arthropathy**  
ATICI T., ALP N. B., AKESEN B.  
16. Ulusal El ve Üst Ekstremitte Cerrahisi Kongresi, Turkey, 6 - 09 May 2018
- XII. **Spinal enstrümantasyon yapılan hastalarda titanyum kağılı implantların titanyum salınımının değerlendirilmesi**  
ulusaloğlu a. c., ATICI T., AKESEN B.  
28.Ulusal Türk Ortopedi ve Travmatoloji Kongresi (Uluslararası katılımlı), 30 October - 04 November 2018, vol.52, pp.192
- XIII. **Döndürücü manşet artropatisi nedeniyle ters omuz artroplastisi uygulanan olguların erken dönem klinik ve radyolojik sonuçları**  
ATICI T., ALP N. B., AKESEN B.  
28.Ulusal Türk Ortopedi ve Travmatoloji Kongresi (Uluslararası katılımlı), İstanbul, Turkey, 30 October - 04 November 2018, vol.52, pp.61
- XIV. **Early clinical and radiological results of cases of patients to whom inverted shoulder arthroplasty was applied due to rotator cuff arthropaty**  
ATICI T., ALP N. B., AKESEN B.  
16 th National of the Turkish Society for Surgery of the Hand and Upper Extremity, Turkey, 6 - 09 May 2018, vol.7, pp.46-47
- XV. **Döndürücü manşet artropatisi nedeniyle ters omuz artroplastisi uygulanan olgularımızın erken dönem klinik sonuçları**  
ATICI T., ALP N. B., AKESEN B.  
7. Ortopedi ve Travmatoloji İstanbul Buluşması, Turkey, 3 - 05 May 2018
- XVI. **Comparison of hemiarthroplasty and total hip arthroplasty in elderly patients with displaced femoral neck fractures**  
BARIŞHAN F. C., AKESEN B., ATICI T., BİLGİN M. S., DURAK V. A.  
20 th Asia Pacific Orthopaedic Association Congress, Antalya, Turkey, 10 - 14 April 2018
- XVII. **İleri yaş deplase femur boyun kırıklarının tedavisinde hemiarthroplastisi ve total kalça artroplastisinin karşılaştırılması**  
BARIŞHAN F. C., AKESEN B., ATICI T., BİLGİN M. S., DURAK K.  
27.ULUSAL TÜRK ORTOPEĐİ VE TRAVMATOLOĐİ KONGRESĐ ZULUSLARARASI KATILIMLI, İstanbul, Turkey, 24 - 29 October 2017
- XVIII. **FOREARM COMPARTMENT PRESSURES IN CHILDREN WITH SUPRACONDYLAR FRACTURES OF THE HUMERUS**  
TOĞAÇ S., SARISÖZEN M. B., ATICI T., AKESEN B., DURAK K.  
OSTEOSYNTHESIS INTERNATIONAL 2017, Munich, Germany, 13 - 15 September 2017
- XIX. **COMPARASION OF HEMIARTHROPLASTY AND TOTAL HIP ARTHROPLASTY IN ELDERLY PATIENT WITH DISPLACED FEMORAL NECK FRACTURES**  
BARIŞHAN F. C., AKESEN B., ATICI T., BİLGİN M. S., DURAK K.  
OSTEOSYNTHESIS INTERNATIONAL 2017, Munich, Germany, 13 - 15 September 2017
- XX. **COMPARISON OF INTRAMEDULLARY NAILING VERSUS PLATE FIXATION IN DISTAL TIBIA SHAFT FRACTURES**  
DURAK K., ATICI T., AKESEN B., DURAK V. A., SARISÖZEN M. B.  
OSTEOSYNTHESIS INTERNATIONAL 2017, Munich, Germany, 13 - 15 September 2017
- XXI. **Nöromuskuler skolyozun spinal füzyon ile tedavisinde iliak vida kullanımının sonuçlara etkisi**  
AKESEN B., MOCAN M. T., EKEN G., OCAKOĞLU G.

26. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Turkey, 25 October 2016, vol.50, pp.60
- XXII. **GP0116 Evaluation of the Shoulder Imbalance Angular Parameters and the Usage of Midtrapezial Angle Clinically and Radiologically in Adolescent Idiopathic Scoliosis AIS Cases**  
AKESEN B., barışhan f. c.  
Global Spine congress 2016, Dubai, United Arab Emirates, 13 - 16 April 2016, vol.6
- XXIII. **SB 29 10 Omuz eşitsizliği olan Adölesan İdiopatik Skolyoz AİS vakalarının radyolojik ve klinik olarak incelenilmesi MID trapezial açının yeri**  
AKESEN B., barışhan f. c.  
TOTBİD - 25. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 27 October - 01 November 2015, vol.1, pp.7
- XXIV. **Evaluation of the Shoulder ImbalanceParameters and the Usage of MidtrapezialAngle Clinically and Radiologically in LenkeType 1 Adolescent Idiopathic Scoliosis Cases**  
AKESEN B., barışhan f. c.  
The 3rd Middle East Spine Meeting - Cairo, Egypt 2015, kahire, Egypt, 12 - 15 May 2015, vol.9, pp.1-24
- XXV. **Spinal Hydatidosis Report Of A Case Treated By Three Level Corpectomy, Anterior And Posterior Instrumentation**  
AKESEN B., ERMUTLU C., AYDINLI U.  
Spine Experts Group Annual Meeting 2010, İstanbul, Turkey, 2 - 03 December 2010, pp.41
- XXVI. **Long-term Clinical Outcome of Combined Two-Drug Therapy and Surgery for Treatment of Lumbar Spinal Tuberculosis**  
AKESEN B., ERMUTLU C., GÖKSEL F., AYDINLI U.  
Spine Experts Group Annual Meeting 2010, İstanbul, Turkey, 2 - 03 December 2010, pp.33

## **Metrics**

Publication: 59

Citation (WoS): 173

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H-Index (WoS): 8

H-Index (Scopus): 9

## **Non Academic Experience**

ADLİ TIP MERKEZ TEŞKİLATI