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Education Information

Expertise In Medicine, Gazi University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, Turkey 1995 - 2001

Undergraduate, Gazi University, Tıp Fakültesi, Tıp Pr., Turkey 1988 - 1994

Foreign Languages

English, B2 Upper Intermediate

Academic Titles / Tasks

Professor, Gazi University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 2013 - Continues

Associate Professor, Gazi University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 2007 - Continues

Assistant Professor, Gazi University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 2005 - 2007

Research Assistant, Gazi University, Tıp Fakültesi, Cerrahi Tıp Bilimleri Bölümü, 1995 - 2001

Advising Theses

ŞENKÖYLÜ A., 10 Yaşın Üzerindeki Konjenital Skolyoz Hastalarında Spinal Görünüş Anketi'Nin (Spinal Appearance Questionnaire) Türkçe Versiyonunun Geçerlilik Ve Güvenirlilik Çalışması, Expertise In Medicine, D.Mohammad(Student), 2021

ŞENKÖYLÜ A., Spinal appearance questionnaire' Türkçe çevirisi geçerlilik ve güvenilirlik çalışması, Expertise In Medicine, A.YAPAR(Student), 2018

ŞENKÖYLÜ A., A novel biomaterial-carbon nanotube/ hydroxyapatite tricalcium phosphate composite for posterolateral fusion: Rat model, Expertise In Medicine, İ.DALDAL(Student), 2016

ŞENKÖYLÜ A., Lomber interbody füzyon için yeni bir kafes tasarımının sonlu elemanlar modeliyle biyomekanik olarak değerlendirilmesi, Expertise In Medicine, C.BOZKURT(Student), 2010

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ŞENKÖYLÜ A., Effects of neuropeptide Y(NPY) on bone metabolism as a neuromediator, Postgraduate, M.ÖZGÜR(Student), 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Which lumbar vertebra should be the lowest level of fusion in adolescent idiopathic scoliosis of Lenke types 5 and 6?**
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European Spine Journal, vol.32, no.6, pp.2213-2220, 2023 (SCI-Expanded)
- III. **Turkish Validity and Reliability Study of Scoliosis Research Society-30 Questionnaire in Adolescent Idiopathic Scoliosis Patients**
Aksekili M. A. E., DEMİR P., Iyigun A., Akcaalan S., Korkmazer S., Tecimel O., ŞENKÖYLÜ A.
Spine, vol.46, no.19, 2021 (SCI-Expanded)
- IV. **Diverse approaches to scoliosis in young children**
ŞENKÖYLÜ A., Riise R. B., Acaroglu E., Helenius I.
EFORT OPEN REVIEWS, vol.5, no.10, pp.753-762, 2020 (SCI-Expanded)
- V. **3D printing and spine surgery**
ŞENKÖYLÜ A., Daldal I., Cetinkaya M.
JOURNAL OF ORTHOPAEDIC SURGERY, vol.28, no.2, 2020 (SCI-Expanded)
- VI. **The implant density does not change the correction rate of the main and the accompanying curves: A comparison between consecutive and intermittent pedicle screw constructs**
ŞENKÖYLÜ A., Cetinkaya M., Daldal I., Eren A., Aktas E.
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.54, no.3, pp.293-299, 2020 (SCI-Expanded)
- VII. **Strategies of management of deep spinal infection: from irrigation and debridement to vacuum-assisted closure treatment**
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ANNALS OF TRANSLATIONAL MEDICINE, vol.8, no.2, 2020 (SCI-Expanded)
- VIII. **Excision and short segment fusion of a double ipsilateral lumbar hemivertebrae associated with a diastematomyelia and fixed pelvic obliquity**
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- IX. **Epidermal growth factor enhances spinal fusion: Posterolateral lumbar fusion model on rats**
Cetin E., Daldal I., Eren A., AKARCA DİZAKAR S. Ö., ÖMEROĞLU S., Uzuner B., Hamdi Celik H., Saygili H. H., KOÇKAR B., ŞENKÖYLÜ A.
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- X. **Assessment of variability in Turkish spine surgeons' trauma practices**
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- XI. **Biomechanical Evaluation of a Novel Apatite-Wollastonite Ceramic Cage Design for Lumbar Interbody Fusion: A Finite Element Model Study**
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- XII. **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.
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- XIII. **Correction manoeuvres in the surgical treatment of spinal deformities**
ŞENKÖYLÜ A., Cetinkaya M.
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- XIV. **Comparison of multimodal intraoperative neurophysiological monitoring efficacy in early childhood**

and school aged children undergoing spinal surgery

ŞENKÖYLÜ A., ZİNNUROĞLU M., BÖRCEK A. Ö., Aktas E., Gungor İ., Beyazova M.

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- XV. **Comparison of effectiveness of kyphoplasty and vertebroplasty in patients with osteoporotic vertebra fractures**
Ates A., GEMALMAZ H. C., DEVECİ M. A., Simsek S. A., Cetin E., ŞENKÖYLÜ A.
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.50, no.6, pp.619-622, 2016 (SCI-Expanded)
- XVI. **Gibbus deformity**
ŞENKÖYLÜ A., Cetinkaya M.
SPINE JOURNAL, vol.16, no.4, 2016 (SCI-Expanded)
- XVII. **180 degrees kyphosis of both the vertebral column and the aorta**
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- XVIII. **Biomechanical comparison of effects of the Dynesys and Coflex dynamic stabilization systems on range of motion and loading characteristics in the lumbar spine: a finite element study**
Kulduk A., Altun N. S., ŞENKÖYLÜ A.
INTERNATIONAL JOURNAL OF MEDICAL ROBOTICS AND COMPUTER ASSISTED SURGERY, vol.11, no.4, pp.400-405, 2015 (SCI-Expanded)
- XIX. **Kyphoplasty for Intractable Pain Due to Glucocorticosteroid-induced Osteoporotic Vertebra Fracture of a 9-Year-Old Patient With Systemic Lupus Erythematosus: 8-Year Follow-up**
KANATLI U., ATAÖĞLU M. B., ÖZER M., ŞENKÖYLÜ A., Cetinkaya M.
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- XX. **Core curriculum (CC) of spinal surgery: a step forward in defining our profession**
Acaroglu E., Kahraman S., ŞENKÖYLÜ A., Berk H., Caner H., ÖZKAN S.
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- XXI. **Evaluation of DNA damage after tourniquet-induced ischaemia/reperfusion injury during lower extremity surgery**
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- XXII. **Outcome of ulnohumeral arthroplasty in osteoarthritis of the elbow**
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- XXIII. **Bilateral knee and right ankle osteonecrosis in an adolescent girl with acute lymphoblastic leukemia**
Kocak U., Kaya Z., Albayrak M., ŞENKÖYLÜ A., AKYÜREK N., Gursel T.
TURKISH JOURNAL OF HEMATOLOGY, vol.26, no.1, pp.34-37, 2009 (SCI-Expanded)
- XXIV. **Biomechanical comparison of two different wire stretching methods in the treatment of tibial plateau fractures with the Ilizarov technique and the related clinical results**
Cavusoglu T., Ozsoy M. H., Dincel V. E., ŞENKÖYLÜ A., Sakaogullari A.
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- XXV. **Effect of strontium ranelate on hydrogen peroxide-induced apoptosis of CRL-11372 cells**
ŞENKÖYLÜ A., Yilmaz A., ERGÜN M. A., İLHAN M. N., Simsek A., Altun N., BÖLÜKBAŞI S., Menevse S.
BIOCHEMICAL GENETICS, vol.46, pp.197-205, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Kyphoplasty is not Superior to Vertebroplasty in Restoring Vertebral Height in the Long Term Kifoplasti, Uzun Dönemde Vertebral Yüksekliği Geri Kazandırmada Vertebroplastiye Üstün Değildir**
BAYMURAT A. C., Abdulaliyev F., AHMADOV A., TOSUN M. F., CAN M. M., Güngör C. İ., ŞENKÖYLÜ A.
Gazi Medical Journal, vol.35, no.2, pp.192-199, 2024 (ESCI)

- II. **The effect of brace on apical vertebral derotation in adolescent idiopathic scoliosis**
BAYMURAT A. C., Daldal I., TOKGÖZ M. A., Yılmaz B. K., ŞENKÖYLÜ A.
Spine Deformity, vol.11, no.5, pp.1101-1107, 2023 (ESCI)
- III. **The combined use of carbon nanotubes with synthetic ceramics enhances posterolateral fusion: an experimental study in a rat spinal fusion model**
Daldal I., ŞENKÖYLÜ A., Degim I. T., İLBASMIŞ TAMER S., ÖMEROĞLU S., Akarca Dizakar S. O., ÇELİK H. H., Uzuner M. B., Kurtoglu A., Yapar D., et al.
Spine Deformity, vol.11, no.4, pp.805-814, 2023 (ESCI)
- IV. **SHOULD PELVIC FIXATION BE INCLUDED IN NEUROMUSCULAR SCOLIOSIS SURGERY?**
BAYMURAT A. C., Yapar A., TOKGÖZ M. A., Kılıçaslan Ö. F., YAŞ S., Yılmaz B. K., ŞENKÖYLÜ A.
Journal of Turkish Spinal Surgery, vol.34, no.3, pp.101-106, 2023 (Scopus)
- V. **Giant Cell Tumor of the L1 Vertebra with a Large Soft Tissue Component: A Case Report**
BAYMURAT A. C., DALDAL İ., YILMAZ B. K., TOKGÖZ N., ATAĞLU Ö., ŞENKÖYLÜ A.
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- VI. **Evaluation of Blended Online Learning in Three Spinal Surgery Educational Courses**
Acaroğlu E., Assous M., Bransford R., Gustavo Dal Oglio Da Rocha L., Falavigna A., France J., Viale E., Uz-Zaman A., Aviles G., Amster B., et al.
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- VII. **Specialty-Training Program During COVID-19 Pandemic: A Single Center Survey on over 300 Trainees and Trainers**
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- VIII. **The validity and reliability study of the Turkish version of the spinal appearance questionnaire for congenital scoliosis patients over 10 years old**
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- IX. **A simple method for assessing rotational flexibility in adolescent idiopathic scoliosis: modified Adam's forward bending test**
ŞENKÖYLÜ A., İLHAN M. N., ALTUN N., Samartzis D., Luk K. D. K.
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- X. **Reliability and validity of the adapted Turkish version of the Spinal Appearance Questionnaire**
Yapar A., YAPAR D., Ergisi Y., Kaptan A. Y., Tokgoz M. A., ŞENKÖYLÜ A.
Spine Deformity, vol.9, no.1, pp.57-66, 2021 (ESCI)
- XI. **Recommendations for Surgical Interventions during COVID-19 Pandemic**
Yildiz A., Cetinkaya M., LEVENTOĞLU Ö. S., ŞENKÖYLÜ A.
GAZI MEDICAL JOURNAL, vol.31, pp.283-286, 2020 (ESCI)
- XII. **Metal ion release during growth-friendly instrumentation for early onset scoliosis: A Preliminary Study**
YILGÖR İ. Ç., Efendiyev A., Akbıyık F., DEMİRKIRAN H. G., ŞENKÖYLÜ A., ALANAY A., YAZICI M.
Spine Deformity, vol.6, no.1, pp.48-53, 2018 (Scopus)
- XIII. **Scheuermann's Kyphosis**
ÇETİNKAYA M., ŞENKÖYLÜ A.
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- XIV. **Pediatric Hastalarda Omurga Cerrahisi Klinik Deneyimlerimiz Spine Surgery in Paediatric Patients Our Clinical Experiences**
DALDAL İ., ŞENKÖYLÜ A.
Türkiye Klinikleri Fiziksel Tıp ve Rehabilitasyon Özel Dergisi, vol.10, no.1, pp.92-99, 2017 (Peer-Reviewed Journal)
- XV. **Hibrid ve pedikül vidası teknikleri arasında srs 22 anketi açısından fark yok**
ŞENKÖYLÜ A., Anıl T., ATAĞLU M. B., ÖZER M., Altun N.
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XVI. Is there a correlation between severity of trauma and serum trace element levels

ŞİMŞEK S. A., ŞENKÖYLÜ A., erdal c., ÖZTÜRK A. M., ışıklı s., muşdal y., yetkin h.

Acta Orthop Traumatol Turc, vol.40, no.2, pp.140-143, 2006 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Essentials of Spine Surgery**
Şenköylü A. (Editor)
Springer Nature, Zug, 2022
- II. **Thoracolumbar Injuries**
Şenköylü A.
in: Essentials of Spine Surgery, Alpaslan Şenköylü, Federico Canavese, Editor, Springer Nature, Zug, pp.45-50, 2022
- III. **Plasmacytoma**
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in: Essentials of Spine Surgery, Alpaslan Şenköylü, Federico Canavese, Editor, Springer Nature, Zug, pp.373-378, 2022
- IV. **Aneurysmal bone cyst**
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- V. **Klippel-Feil Syndrome**
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- IX. **Lomber Dejeneratif Spondilolistezis**
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- X. **Skolyozda sagittal düzlemin analizi, cerrahi planlama, cerrahi için ipuçları**
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- XI. **Skolyoz cerrahisinde intraoperatif nörofizyolojik izlem**
ZİNNUROĞLU M., ŞENKÖYLÜ A.
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- XII. **Ortopedik Cerrahi Ameliyat Teknikleri**
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- I. **Kümmell Hastalığı'nda Vertebroplasti ile Ağrı Palyasyonu**
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- II. **Determinants of failure in lumbar fusion**
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- III. **How to prevent complications in NM Scoliosis Surgery**
Şenköylü A.
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- IV. **Spinal Biomechanics and clinical applications**
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- V. **Implant density in AIS surgery**
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- VI. **DERİN ÖĞRENME YÖNTEMIYLE DÜZ RADYOGRAFILERDE SKOLYOZ TESPİTİ VE SINIFLANDIRMASI**
Baymurat A. C., Üreten K., Tolunay T., Gültekin G. K., Tosun M. F., Çalta M. Ş., Şenköylü A., Atalar H.
32. Ulusal Türk Ortopedi ve Travmatoloji KONGRESİ, Antalya, Turkey, 31 October - 05 November 2023, pp.56-57
- VII. **COMPARISON OF THE CLINICAL AND RADIOLOGIC OUTCOMES OF PATIENTS WITH LENKE TYPE 5 AND 6 AIS TREATED SURGICALLY AND WITH L3 AND L4 AS THE LOWEST INSTRUMENTED VERTEBRA**
BAYMURAT A. C., TOKGÖZ M. A., TOSUN M. F., CAN M. M., ÇETİNKAYA M., DALDAL İ., ŞENKÖYLÜ A.
XV. Uluslararası Türk Omurga Kongresi, İzmir, Turkey, 24 - 27 May 2023, vol.35, pp.15-16
- VIII. **Intermittent pedicle screw constructs provide better kyphosis restoration in Lenke type 1 curves**
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- IX. **Should Pelvic Fixation Be Included In The Surgical Treatment Of Neuromuscular Scoliosis?**
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- X. **COMPARISON OF THE CLINICAL AND RADIOLOGIC OUTCOMES OF PATIENTS WITH LENKE TYPE 5 AND 6 AIS TREATED SURGICALLY AND WITH L3 AND L4 AS THE LOWEST INSTRUMENTED VERTEBRAE**
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- XI. **THE VALIDITY AND RELIABILITY STUDY OF THE TURKISH VERSION OF THE SPINAL APPEARANCE QUESTIONNAİRE FOR CONGENITAL SCOLIOSİS PATIENTS OVER 10 YEARS OLD**
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- XII. **EFFECT OF THE BRACE ON APICAL VERTEBRA IN ADOLESCENT IDIOPATHIC SCOLIOSIS**
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- XIII. **FLUOROSCOPICALLY GUIDED COMBINED CAUDAL EPIDURAL AND TRANSFORAMINAL INJECTIONS: CAN LONG-TERM PAIN RELIEF BE ACHIEVED WITH A SYNERGISTIC EFFECT?**
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- XIV. **USING PROXIMAL HOOKS AS A SOFT-LANDING STRATEGY FOR PREVENTION OF PROXIMAL JUNCTIONAL KYPHOSIS IN THE SURGICAL TREATMENT OF SCHEUERMANN'S KYPHOSIS**
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- XV. **LENKE TİP 1 EĞRİLİKLERDE ARALIKLI PEDİKÜL VİDASI UYGULAMASI DAHA İYİ KİFOZ RESTORASYONU SAĞLAR**
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- XVI. **SPİNAL APPEARANCE QUESTIONNAİRE' TÜRKÇE ÇEVİRİSİ GEÇERLİLİK VE GÜVENİRLİK ÇALIŞMASI**
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29. ULUSAL TÜRK ORTOPEDİ VE TRAVMATOLOJİ KONGRESİ, Antalya, Turkey, 22 - 27 October 2019, vol.53, pp.55
- XVII. **ADÖLESAN İDİOPATİK SKOLYOZLU HASTALARDA BOSTON TİPİ KORSE KULLANIMI YAŞAM KALİTESİNİ DÜŞÜRMÜYOR**
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Metrics

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Non Academic Experience

GÜTF Ortopedi ve Trav A.D.

Tohoku Üniversitesi Ortopedi ve Trav A.D.

GÜTF Ortopedi ve Trav A.D.

Honk Kong Üniversitesi Ortopedi A.D.

Ankara Eğitim ve Ar Hast

Hasvak Tıp Merkezi

ODTÜ Sağlık Merkezi

GÜTF Ortopedi ve Trav A.D.

Göle Devlet Hastanesi Ardahan