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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

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- I. **Stigma assessment scale for adolescent idiopathic scoliosis: A new tool for spine deformity stigma evaluation**
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- II. **Which lumbar vertebra should be the lowest level of fusion in adolescent idiopathic scoliosis of Lenke types 5 and 6?**
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- III. **Intermittent pedicle screw application provides better kyphosis restoration in adolescent idiopathic scoliosis for Lenke type 1 and type 2 curves**
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European Spine Journal, vol.32, no.6, pp.2213-2220, 2023 (SCI-Expanded)
- IV. **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.
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- V. **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)
- 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**
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- VII. **3D printing and spine surgery**
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- VIII. **Strategies of management of deep spinal infection: from irrigation and debridement to vacuum-assisted closure treatment**
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- IX. **Excision and short segment fusion of a double ipsilateral lumbar hemivertebrae associated with a diastematomyelia and fixed pelvic obliquity**
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- X. **Epidermal growth factor enhances spinal fusion: Posterolateral lumbar fusion model on rats**
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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. **Assessment of variability in Turkish spine surgeons' trauma practices**
Cetin E., ŞENKÖYLÜ A., Acaroglu E.
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- XIII. **Implant Complications After Magnetically Controlled Growing Rods for Early Onset Scoliosis: A Multicenter Retrospective Review**
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- XIV. **Correction manoeuvres in the surgical treatment of spinal deformities**
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- XV. **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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- XVI. **Comparison of effectiveness of kyphoplasty and vertebroplasty in patients with osteoporotic vertebra fractures**
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- XVII. **Gibbus deformity**
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- XVIII. **180 degrees kyphosis of both the vertebral column and the aorta**
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- XIX. **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**
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- XX. **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., ATAĞLU M. B., ÖZER M., ŞENKÖYLÜ A., Cetinkaya M.
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- XXI. **Core curriculum (CC) of spinal surgery: a step forward in defining our profession**
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- XXII. **Evaluation of DNA damage after tourniquet-induced ischaemia/reperfusion injury during lower extremity surgery**
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- XXIII. **Outcome of ulnohumeral arthroplasty in osteoarthritis of the elbow**
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- XXIV. **Bilateral knee and right ankle osteonecrosis in an adolescent girl with acute lymphoblastic leukemia**
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- XXV. **Biomechanical comparison of two different wire stretching methods in the treatment of tibial plateau fractures with the Ilizarov technique and the related clinical results**
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- XXVI. **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.
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- 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.
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- III. **The combined use of carbon nanotubes with synthetic ceramics enhances posterolateral fusion: an experimental study in a rat spinal fusion model**
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- 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.
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- V. **Giant Cell Tumor of the L1 Vertebra with a Large Soft Tissue Component: A Case Report**
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- VI. **Evaluation of Blended Online Learning in Three Spinal Surgery Educational Courses**
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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.
SPINE DEFORMITY, vol.9, no.2, pp.333-339, 2021 (ESCI)
- X. **Reliability and validity of the adapted Turkish version of the Spinal Appearance Questionnaire**
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Spine Deformity, vol.9, no.1, pp.57-66, 2021 (ESCI)
- XI. **Recommendations for Surgical Interventions during COVID-19 Pandemic**
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- XII. **Metal ion release during growth-friendly instrumentation for early onset scoliosis: A Preliminary Study**
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Spine Deformity, vol.6, no.1, pp.48-53, 2018 (Scopus)
- XIII. **Scheuermann's Kyphosis**
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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., ATAÖĞLU M. B., ÖZER M., Altun N.
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- XVI. **Is there a correlation between severity of trauma and serum trace element levels**
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- II. **Thoracolumbar Injuries**
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- III. **Plasmacytoma**
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- VIII. **Scheuermann's disease**
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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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- IV. **Spinal Biomechanics and clinical applications**
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- VI. **DERİN ÖĞRENME YÖNTEMIYLE DÜZ RADYOGRAFILERDE SKOLYOZ TESPİTİ VE SINIFLANDIRMASI**
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- 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**
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- VIII. **Intermittent pedicle screw constructs provide better kyphosis restoration in Lenke type 1 curves**
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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 SCOLİOSİS 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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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 YAPAR A., YAPAR D., ŞENKÖYLÜ A.

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XVIII. Epidermal Growth factor enhances spinal fusion: Posterolateral lumbar fusion model on rats

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XIX. Both radiologic and clinically similar results and limited number of complications were seen in both low and high density groups. it has been supported that the clinically same results can be obtained with less implant use in patients planned for Scheuermann kyphosis surgery.

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XX. Radiological and Clinical Evaluation of the Use of Low and High Density Screw Systems in Scheuermann Kyphosis

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- XXVII. **Sacral insufficiency fractures**
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- XL. **Sacral Fractures**
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- XLI. Paediatric Spinal Fractures**
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- XLVII. Giving a lecture**
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- XLVIII. Scheuermann kifozunda sadece posteriordan yüksek yoğunluklu pedikül vidasıyla düzeltme uygulanan hastaların klinik ve radyolojik sonuçları düşük yoğunluklu (apeksiEnstrümante edilmeyen) uygulananlara göre daha mı iyidir?**
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- XLIX. Intraoperative Neuromonitoring**
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Supported Projects

ŞENKÖYLÜ A., Project Supported by Higher Education Institutions, Vertebral Korpus Defektlerinin Onarımında Yeni Bir Cage (Kafes) Tasarımının Sonlu Elemanlar (Finite Element) Modeliyle Biyomekanik Olarak Değerlendirilmesi, 2007 - 2008

Activities in Scientific Journals

JOURNAL OF ORTHOPAEDIC SURGERY, Assistant Editor/Section Editor, 2018 - Continues

ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, Assistant Editor/Section Editor, 2016 - Continues

Tasks In Event Organizations

Şenköylü A., AO Spine Advanced Course— Degenerative Lumbar Spine: From MIS Fusion to Complex Deformity and Revision Problems (with Human Anatomical Specimens), Scientific Congress, Chur, Switzerland, Aralık 2023

Şenköylü A., AO Spine Advanced Level Specimen Course— Rebalancing the Spine Anterior and Posterior Techniques, Scientific Congress, Budapest, Hungary, Ekim 2023

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Metrics

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Non Academic Experience

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Ankara Eğitim ve Ar Hast

Hasvak Tıp Merkezi

ODTÜ Sağlık Merkezi

GÜTF Ortopedi ve Trav A.D.

Göle Devlet Hastanesi Ardahan