

## Assoc. Prof. ERDEM ARAS SEZGİN

### Personal Information

**Email:** easezgin@gazi.edu.tr

**Web:** <https://avesis.gazi.edu.tr/easezgin>

### International Researcher IDs

ScholarID: YA5N3TwAAAAJ

ORCID: 0000-0001-5869-6571

### Research Areas

Orthopedics and Traumatology

### Academic Titles / Tasks

Associate Professor, Gazi University, Tıp Fakültesi, Cerrahi Tıp Bilimleri, 2024 - Continues

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

- I. **Can Cemented Femoral Stems Be Used During Revision Total Hip Arthroplasty?**  
Hoveidaei A. H., Pirahesh K., SEZGİN E. A., Devito F. S., Hubble M., Nikolaev N. S., Sanz-Ruiz P., Burgo F. J., Citak M.  
Journal of Arthroplasty, vol.40, no.2, 2025 (SCI-Expanded)
- II. **DeepSeek versus ChatGPT: Multimodal artificial intelligence revolutionizing scientific discovery. From language editing to autonomous content generation—Redefining innovation in research and practice**  
Kayaalp M. E., Prill R., SEZGİN E. A., Cong T., Królikowska A., Hirschmann M. T.  
Knee Surgery, Sports Traumatology, Arthroscopy, 2025 (SCI-Expanded)
- III. **Established practices and future insights into patellar instability surgery: A review**  
Bahadır B., SEZGİN E. A., Atik O. S.  
JOINT DISEASES AND RELATED SURGERY, vol.35, no.3, pp.594-595, 2024 (SCI-Expanded)
- IV. **The main goal of ChatGPT is not to replace healthcare professionals**  
Atik O. S., SEZGİN E. A., Bahadır B.  
JOINT DISEASES AND RELATED SURGERY, vol.35, no.3, pp.471-472, 2024 (SCI-Expanded)
- V. **Does glenoid bone loss accompany posterior shoulder instability with only labral tear? A magnetic resonance imaging-based study**  
Orhan Ö., Sezgin E. A., Özer M., Ataoğlu M. B., Kanatlı U.  
JOURNAL OF SHOULDER AND ELBOW SURGERY, vol.32, no.10, pp.2066-2073, 2023 (SCI-Expanded)
- VI. **Interscalene block applied by an experienced anesthesiologist has a good anesthetic effect, a long duration of action, and less postoperative pain after arthroscopic shoulder procedures independent of surgery type and operation duration**  
Orhan Ö., Sezgin E. A., GÜNGÖR İ., Çetinkaya M., ATAÖĞLU M. B., KANATLI U.  
JOINT DISEASES AND RELATED SURGERY, vol.34, no.2, pp.445-450, 2023 (SCI-Expanded)
- VII. **Total Infrapatellar Fat Pad Excision Leads to Worse Isokinetic Performance in Total Knee Arthroplasty: A Randomized Controlled Trial**

- Cankaya D., AKTI S., Yasar N. E., Karakus D., Unal K. O., Karhan T. E., Sezgin E. A.  
JOURNAL OF KNEE SURGERY, vol.35, no.14, pp.1544-1548, 2022 (SCI-Expanded)
- VIII. **Comparative effectiveness research on proximal femoral nail versus dynamic hip screw in patients with trochanteric fractures: a systematic review and meta-analysis of randomized trials**  
Xu H., Liu Y., Sezgin E. A., Tarasevicius S., Christensen R., Raina D. B., Tagil M., Lidgren L.  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, vol.17, no.1, 2022 (SCI-Expanded)
- IX. **A New Augmentation Method for Improved Screw Fixation in Fragile Bone**  
Raina D. B., Markeviciute V., Stravinskas M., Kok J., Jacobson I., Liu Y., Sezgin E. A., Isaksson H., Zwingenberger S., Taegil M., et al.  
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, vol.10, 2022 (SCI-Expanded)
- X. **Diagnosing a hematopoietic malignancy during shoulder arthroplasty**  
Orhan Ö., Sezgin E. A., Tokgöz M. A., Çakmak P., Kanatlı U.  
VOJNOSANITETSKI PREGLED, vol.79, no.10, pp.1035-1038, 2022 (SCI-Expanded)
- XI. **Novel radiographic hip fat thickness ratio correlates with early re-operation following total hip arthroplasty**  
Sezgin E. A., Ali A. K., Ataoğlu M. B., Orhan Ö., Odluyurt M., Esen E.  
HIP INTERNATIONAL, vol.32, no.1, pp.62-66, 2022 (SCI-Expanded)
- XII. **Different microbial and resistance patterns in primary total knee arthroplasty infections - a report on 283 patients from Lithuania and Sweden**  
Sebastian S., Sezgin E. A., Stucinskas J., Tarasevicius S., Liu Y., Raina D. B., Tagil M., Lidgren L., W-Dahl A.  
BMC MUSCULOSKELETAL DISORDERS, vol.22, no.1, 2021 (SCI-Expanded)
- XIII. **No differences in clinical outcomes or isokinetic performance between cruciate-substituting ultra-congruent and posterior stabilized total knee arthroplasties: a randomized controlled trial**  
AKTI S., Karakus D., Sezgin E. A., Cankaya D.  
KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY, vol.29, no.10, pp.3443-3449, 2021 (SCI-Expanded)
- XIV. **Are preoperative complete blood count parameters in peripheral nerve sheath tumors useful diagnostic tools?**  
Misirlioglu M., Yapar A., Sezgin E. A., Bulut E. K., Beltir G., Gungor B. S.  
JOINT DISEASES AND RELATED SURGERY, no.2, pp.340-346, 2021 (SCI-Expanded)
- XV. **Unicompartmental knee arthroplasty results in a better gait pattern than total knee arthroplasty: Gait analysis with a smartphone application**  
Cankaya D., AKTI S., Unal S. B., Sezgin E. A.  
JOINT DISEASES AND RELATED SURGERY, vol.32, no.1, pp.22-27, 2021 (SCI-Expanded)
- XVI. **A combined fracture and mortality risk index useful for treatment stratification in hip fragility fractures**  
Sezgin E. A., TOR A. T., Markeviciute V., Sirka A., Tarasevicius S., Raina D. B., Liu Y., Isaksson H., Tagil M., Lidgren L.  
JOINT DISEASES AND RELATED SURGERY, no.3, pp.583-589, 2021 (SCI-Expanded)
- XVII. **The Evolution of Publications in the Field of Scoliosis: A Detailed Investigation of Global Scientific Output Using Bibliometric Approaches**  
Guler S., Capkin S., Sezgin E. A.  
TURKISH NEUROSURGERY, vol.31, no.1, pp.124-136, 2021 (SCI-Expanded)
- XVIII. **Is gluteus medius injured in patients treated with a trochanter tip entry intramedullary nail? Clinical, electrophysiological and functional outcomes**  
Ergisi Y., Kafa N., Tokgoz M. A., Demir E., Hazar Kanik Z., Sezgin E. A., Ataoğlu M. B.  
JOINT DISEASES AND RELATED SURGERY, vol.31, no.2, pp.312-319, 2020 (SCI-Expanded)
- XIX. **Combined fracture and mortality risk evaluation for stratifying treatment in hip fracture patients: A feasibility study**  
Sezgin E. A., Markeviciute V., Sirka A., Tarasevicius S., Raina D. B., Isaksson H., Tagil M., Lidgren L.  
JOINT DISEASES AND RELATED SURGERY, vol.31, no.2, pp.163-168, 2020 (SCI-Expanded)
- XX. **Weight and height separated provide better understanding than BMI on the risk of revision after total knee arthroplasty: report of 107,228 primary total knee arthroplasties from the Swedish Knee**

## **Arthroplasty Register 2009-2017**

Sezgin E. A., W-Dahl A., Lidgren L., Robertsson O.

ACTA ORTHOPAEDICA, no.1, pp.94-97, 2020 (SCI-Expanded)

- XXI. **Higher Risk of Loosening for a Four-Pegged TKA Tibial Baseplate Than for a Stemmed One: A Register-based Study**  
Robertsson O., Sundberg M., Sezgin E. A., Lidgren L., W-Dahl A.  
CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, no.1, pp.58-65, 2020 (SCI-Expanded)
- XXII. **Diagnostic role of neutrophil-to-lymphocyte ratio and monocyte-to-lymphocyte ratio in patients with enchondroma and low-grade chondrosarcoma**  
Yapar A., Ulucakoy C., Sezgin E. A., Atalay I. B., Eksioglu M. F.  
JOINT DISEASES AND RELATED SURGERY, vol.31, no.2, pp.286-290, 2020 (SCI-Expanded)
- XXIII. **Is There a Role for Photobiomodulation in Treating Damaged Articular Cartilage Due to Injury or Degeneration?**  
Atik O. S., Sezgin E. A.  
PHOTOBIMODULATION PHOTOMEDICINE AND LASER SURGERY, no.1, pp.1-2, 2020 (SCI-Expanded)
- XXIV. **Biomodulation of an implant for enhanced bone-implant anchorage**  
Raina D. B., Larsson D., Sezgin E. A., Isaksson H., Tagil M., Lidgren L.  
ACTA BIOMATERIALIA, pp.619-630, 2019 (SCI-Expanded)
- XXV. **Treatment of a combined deformity following tibial tubercle ventromedialization with single proximal tibial closing wedge osteotomy**  
Sezgin E. A., Szerb I., Toth Z., Hangody L.  
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.30, no.3, pp.316-321, 2019 (SCI-Expanded)
- XXVI. **Are we scientifically ready to adopt tranexamic acid as a routine in arthroplasty?**  
Sezgin E. A., Atik O. S.  
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.30, no.3, pp.338-339, 2019 (SCI-Expanded)
- XXVII. **The role of biomarkers in osteoarthritis and osteoporosis for early diagnosis and monitoring prognosis**  
Atik O. S., Sezgin E. A., Tepedelenlioglu H. E.  
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.30, no.2, pp.175-176, 2019 (SCI-Expanded)
- XXVIII. **Nonagenarians qualify for total knee arthroplasty: a report on 329 patients from the Swedish Knee Arthroplasty Register 2000-2016**  
Sezgin E. A., Robertsson O., W-Dahl A., Lidgren L.  
ACTA ORTHOPAEDICA, no.1, pp.53-59, 2019 (SCI-Expanded)
- XXIX. **Are orthobiologics the next chapter in clinical orthopedics? A literature review**  
Sezgin E. A., Atik O. S.  
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.29, no.2, pp.110-116, 2018 (SCI-Expanded)
- XXX. **Tumors and tumor-like lesions of infrapatellar fat pad and surrounding tissues: A review of the literature**  
Sezgin E. A., Atik O. S.  
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.29, no.1, pp.58-62, 2018 (SCI-Expanded)
- XXXI. **Is it easy to clinically distinguish inflammatory arthritis of bacterial origin from monoarthritis attacks of gout disease?**  
Atik O. S., Ergisi Y., Ayanoglu T., Tokgoz M. A., Sezgin E. A., Gocun P. U.  
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, no.3, pp.167-170, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Evaluation of Hepatitis B Surface Antigen, Anti-HCV, and Anti-HIV Seroprevalence in Patients Operated in the Orthopedics and Traumatology Department**

Guler S., Yolacan H., Sezgin E. A.

CYPRUS JOURNAL OF MEDICAL SCIENCES, vol.8, no.3, pp.216-219, 2023 (ESCI)

## Papers Published in Refereed Scientific Meetings

- I. **Osteoporotik Kırık Geçiren Postmenopozal Kadınların Obstetrik Öyküsünün ve Menarş Yaşının Fracture Risk Assessment Tool (Frax) Kırık Riski Değerlendirilmesine Etkisi**

Sezgin A., Güvenç Saçın H., Osmanlı E., Mangır K., Saçın H. G., Sezgin E. A.

33. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 5 - 10 November 2024, vol.58, pp.158-159

- II. **Yürüme analizini nasıl değerlendireceğiz?**

Sezgin E. A.

33. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 5 - 10 November 2024

- III. **Best scientific papers of the journals FAI & Foot and Ankle Surgery in 2024**

Sezgin E. A.

33. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Antalya, Turkey, 05 November 2024 - 10 January 2025

## Supported Projects

Sezgin E. A., Lidgren L., Güler S., Tâgil M., Tolunay T., Raina D. B., Yolaçan H., Universities of Other Countries Supported Project, Trokanterik Femur Kırıklarında Proksimal Femur Çivisi İle Yapılan Osteostentezin Bifazik Apatit Sülfat Ve Sistemik Bisfosfonat Kombinasyonuyla Güçlendirilmesi – Bir Pilot Araştırma, 2023 - 2024

## Activities in Scientific Journals

Joint Diseases and Related Surgery, Committee Member, 2019 - Continues

Joint Diseases and Related Surgery Case Reports, First Editor, 2022 - 2023

## Peer Reviews in Scientific Publications

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, December 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, December 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, December 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, November 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, November 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, November 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, November 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, October 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, October 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, October 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, September 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, August 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, July 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, July 2024

Joint Diseases and Related Surgery, SCI Journal, July 2024

Joint Diseases and Related Surgery, Journal Indexed in SCI-E, June 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, June 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, May 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, May 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, April 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, April 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, April 2024  
INTERNATIONAL JOURNAL OF SURGERY, SCI Journal, March 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, March 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, March 2024  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, March 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, March 2024  
INTERNATIONAL JOURNAL OF SURGERY, SCI Journal, February 2024  
JOURNAL OF ORTHOPAEDIC SURGERY AND RESEARCH, SCI Journal, February 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, February 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, February 2024  
BMC SURGERY, SCI Journal, January 2024  
INTERNATIONAL JOURNAL OF SURGERY, SCI Journal, January 2024  
INTERNATIONAL JOURNAL OF SURGERY, SCI Journal, January 2024  
Joint Diseases and Related Surgery, SCI Journal, January 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, January 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, January 2024  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, November 2023  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, October 2023  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, July 2023  
INTERNATIONAL JOURNAL OF SURGERY, Journal Indexed in SCI-E, June 2023  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, June 2023  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, April 2023  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, April 2023  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, March 2023  
Joint Diseases and Related Surgery, Journal Indexed in SCI-E, January 2023

## **Metrics**

Publication: 35

Citation (WoS): 229

Citation (Scopus): 178

H-Index (WoS): 10

H-Index (Scopus): 10