

PROFESSOR - ORTHOPAEDIC SURGEON

Aykın Şimşek

Prof. Aykın Şimşek, M.D.

Professor of Orthopaedics and Traumatology at American Hospital and Koç University School of Medicine. His clinical work focuses on hip and knee arthroplasty, surgical management of bone and soft-tissue tumors in adults and children, and trauma surgery.

ORTHOPAEDICS & TRAUMATOLOGY

American Hospital
Istanbul, Türkiye

CORE PROFILE

- Hip and knee arthroplasty
- Orthopaedic oncology in adults and children
- Trauma surgery

NAME

Aykın Şimşek

Prof. Aykın Şimşek, M.D.

2014

at American Hospital and
Koç University

52

scientific papers listed by
the hospital profile

2

first-place clinical
research awards

CLINICAL FOCUS

- Total hip arthroplasty
- Total knee arthroplasty
- Orthopaedic oncology
- Bone tumors
- Soft-tissue tumors
- Trauma surgery

RESEARCH PROFILE

His research covers joint arthroplasty, orthopaedic oncology, and trauma care. Selected work includes a 2025 study on routine histopathological examination of femoral heads for incidental metastatic bone disease, research on intertrochanteric femoral fracture treatment, and a clinical trial comparing approaches in total knee arthroplasty.

CURRENT APPOINTMENT

Professor, American Hospital / Koç University School of Medicine - since 2014

EDUCATION & TRAINING

- 1981-1987 **Medical degree**
Gazi University Faculty of Medicine
- 1989-1995 **Orthopaedics residency**
Gazi University, Orthopaedics and Traumatology
- 1996-1997 **Clinical fellowship**
Newcastle University, United Kingdom

CAREER

- 1987-1989 **General practitioner**
Mardin State Hospital, Emergency Department
- 1995-1997 **Instructor**
Gazi University Faculty of Medicine
- 1997-2000 **Assistant Professor**
Gazi University Faculty of Medicine
- 2000-2005 **Associate Professor**
Gazi University Faculty of Medicine
- 2005-2013 **Professor**
Gazi University Faculty of Medicine
- 2014-present **Professor**
American Hospital / Koç University

AWARDS

- 2005 - First place, Geriatrics Symposium Scientific Awards, clinical studies
- 2006 - First place, XI Akif Şakir Şakar Scientific Awards, clinical studies

PROFESSIONAL SOCIETIES

- Turkish Society of Orthopaedics and Traumatology (TOTBID)
- Turkish Society of Arthroplasty
- Turkish Society of Bone and Soft Tissue Tumors
- European Hip Society; SICOT

The official profiles also list the Asia Pacific Orthopaedic Association and the Association for the Study of Internal Fixation.

SELECTED PUBLICATIONS

- 2025 Routine histopathological examination of femoral heads and incidental metastatic bone disease in hip arthroplasty.
- 2015 Comparison of intertrochanteric femoral fracture fixation with hemiarthroplasty and proximal femoral nail systems.
- 2002 Subvastus versus medial parapatellar approach in total knee arthroplasty.

SOURCES

Official and bibliographic sources:

1. American Hospital - official profile
2. Official CV, Koç University
3. PubMed PMID 40337985 - hip arthroplasty, 2025
4. PubMed PMID 27054643 - hip fracture, 2015
5. PubMed PMID 11880904 - knee arthroplasty, 2002

The figure of 52 scientific papers is reported by the official American Hospital profile, checked on 31 July 2026. This resume is for informational purposes and does not replace a medical consultation.