



İSTANBUL AYDIN UNIVERSITY

VOCATIONAL SCHOOL OF HEALTH SERVICES E-BULLETIN



NOVEMBER 2025



VOCATIONAL SCHOOL OF HEALTH SERVICES

T.R.

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- **ORAL AND DENTAL HEALTH**
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- **PATHOLOGY LABORATORY TECHNIQUES**
- **PERFUSION TECHNIQUES**
- **RADIOTHERAPY**
- **SOCIAL SERVICES**
- **MEDICAL DOCUMENTATION AND SECRETARIAL**
- **MEDICAL IMAGING TECHNIQUES**
- **MEDICAL LABORATORY TECHNIQUES**



VOCATIONAL SCHOOL OF HEALTH SERVICES

Chairman of the Board of Trustees Prof. Dr. Mustafa Aydın Meets with Students at the “Common Sense Meeting with Young Intellectuals”

On November 5, 2025, the Chairman of the Board of Trustees, Prof. Dr. Mustafa Aydın, met with students within the scope of the “Common Sense Meeting with Young Intellectuals,” where he listened to their requests, suggestions, complaints, and expectations. As a significant reflection of the university’s student-centered approach, the meeting provided students with the opportunity to directly share their views on university life. Prof. Dr. Mustafa Aydın also shared ongoing efforts aimed at enhancing the quality of educational processes. Emphasizing open communication and the principle of common sense, the event attracted great interest from students and fostered a productive feedback environment.





VOCATIONAL SCHOOL OF HEALTH SERVICES

MEDEK Site Visits Conducted on November 24–26

Within the scope of the MEDEK Site Visits conducted between November 24 and 26, evaluations were carried out for the Medical Laboratory Techniques, Operating Room Services, First and Emergency Aid, and Pathology Laboratory Techniques programs.

The three-day site visits were held in a highly productive, constructive, and quality-oriented atmosphere. During the visits, the educational and training processes, learning outcomes, course curricula, and continuous improvement mechanisms of the programs were examined in detail.





VOCATIONAL SCHOOL OF HEALTH SERVICES

MEDEK Site Visits Conducted on November 24–26

We would like to express our sincere gratitude to the MEDEK evaluators for their constructive feedback and valuable contributions to the development of our programs throughout the site visits.

As the School of Health Services (SHMYO), we are pleased to share with the public that we will continue to diligently carry out continuous improvement efforts across all our programs in line with our quality assurance approach.





ANESTHESIA PROGRAM

Article

Prof. Dr. Ayşın Ersoy's article titled "TAP and TAPA blocks after laparoscopic cholecystectomy: a randomized double-blind study" has been published in the journal *Signa Vitae*.



Submitted: 27 December, 2024 | Accepted: 29 May, 2025 | Published: 08 November, 2025 | DOI: 10.22541/au.2025.117

ORIGINAL RESEARCH

TAP and TAPA blocks after laparoscopic cholecystectomy: a randomized double-blind study

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Abstract
Background: Ultrasound-guided fascial plane blocks have become increasingly important for postoperative analgesia following laparoscopic cholecystectomy (LC). This study compared the analgesic effects of the transverse abdominis plane (TAP) block with the thoracoabdominal nerve block performed via a perichondral approach (TAPA) in LC patients. **Methods:** Sixty-one individuals scheduled for LC under general anesthesia were randomly assigned to receive either a TAP or TAPA block. The duration of block administration was measured. Postoperative pain intensity (Numerical Rating Scale, NRS), tramadol requirements via patient-controlled analgesia (PCA), additional rescue analgesic use, and side effects were evaluated at 2, 6, 12, and 24 hours after surgery. The primary endpoint was 24-h postoperative PCA bolus tramadol dose consumption. **Results:** The two groups were similar regarding demographic characteristics ($p > 0.05$), though the TAP group included a higher proportion of male patients ($p < 0.05$). Performing the TAPA block required more time than TAP ($p < 0.05$). Tramadol consumption at the 12h hour was significantly lower in the TAPA group, whereas PCA use at other intervals, NRS scores, and rescue analgesic requirements did not differ significantly. **Conclusion:** Both TAP and TAPA blocks provided effective analgesia after LC. Considering their equivalent efficacy, TAP may be advantageous in clinical practice due to its single injection technique and easier application. **Clinical Trial Registration:** NCT06768345, retrospectively registered.

Keywords
Laparoscopic cholecystectomy; Regional anesthesia; TAP block; TAPA block; Postoperative analgesia

Journal Category:SCI-E,Q3



OPERATING ROOM SERVICES PROGRAM

Neurosurgery Seminar in the Operating Room

On November 5, 2025, a seminar titled “Neurosurgery in the Operating Room” was organized by the Operating Room Services Program of Istanbul Aydın University School of Health Services. The event was held at the Turquoise Hall of the T Block Social Sciences Campus, with Assoc. Prof. Dr. Ramazan Sarı, a Neurosurgery Specialist from Istanbul Florence Nightingale Hospital, as the speaker.





OPERATING ROOM SERVICES PROGRAM

Neurosurgery Seminar in the Operating Room

During the seminar, the roles and responsibilities of the operating room team in neurosurgical procedures, the management of surgical processes, and critical practices related to patient safety were discussed. The program was moderated by Elif Sarı Özbay, Lecturer in the Operating Room Services Program.

The event, which attracted significant interest from students, enhanced their professional knowledge and awareness by providing an opportunity for direct interaction with a field expert.





PHYSIOTHERAPY PROGRAM

Book Chapter

Lecturer Barış Celbek authored the chapter titled “Rehabilitation After Shoulder Tendon Transfer in Congenital Brachial Plexus Palsy” in the book Upper Extremity Surgery and Rehabilitation with Case Studies.





OPTICIANS PROGRAM

Article

Assoc. Prof. Dr. Ulaş Özdem's article titled "Electromagnetic Properties of the $Ds1^+(2460)$, $Ds1^+(2536)$, and Their Bottom Partners in a Molecular Configuration" has been published in the journal *Physical Review*.



Electromagnetic properties of the $D_{s1}^+(2460)$, $D_{s1}^+(2536)$, and their bottom partners in a molecular configuration

Ulaş Özdem^{1,*}

¹Health Services Vocational School of Higher Education,
Istanbul Aydın University, Sefihsuy-Karaköy, 34285 Istanbul, Türkiye
(Date: October 21, 2025)

We investigate the electromagnetic properties of the axial-vector molecular states D^*K , DN^* , B^*K , and BK^* , which are used to model the charmed states $D_{s1}^+(2460)$, $D_{s1}^+(2536)$, and their bottom partners with quantum numbers $J^P = 1^+$. To our knowledge, this presents the first comprehensive calculation of the magnetic and quadrupole moments for these specific molecular configurations. Employing the QCD light-cone sum rule method with molecular-type interpolating currents, we compute these moments and perform a detailed flavor decomposition to reveal the internal distribution of the electromagnetic charge and spin. Our results demonstrate that the light up and down quarks dominate the electromagnetic response, with negligible contributions from the heavy quarks. The D^*K and B^*K states exhibit negative quadrupole moments and slightly oblate charge distributions, whereas the DN^* and BK^* states possess positive quadrupole moments and prolate distributions, with significant contributions from the strange quark. The predicted moments provide benchmarks for lattice QCD calculations and are testable through their influence on radiative transitions and photo- and electro-production observables at high-luminosity facilities, offering crucial insights into the internal structure and nature of these axial-vector states.

Journal Category:SCI-E,Q1



ORTHOPEDIC PROSTHETICS AND ORTHOTICS PROGRAM

International Prosthetics and Orthotics Day

Within the scope of International Prosthetics and Orthotics Day, Lecturer Ayşe Yazgan participated in the book chapter launch event held at Istanbul Medipol University. The book chapter to which she contributed was delivered to the relevant party during the event.





ORTHOPEDIC PROSTHETICS AND ORTHOTICS PROGRAM

Book Chapter

Within the scope of International Prosthetics and Orthotics Day, the launch of the book chapter titled “Orthotic Approaches in the Diabetic Foot” authored by Lecturer Merve Arısoy was held at Istanbul Medipol University. During the event, the presented book chapter was published and introduced to the academic community as part of the launch program.





PATHOLOGY LABORATORY TECHNIQUES PROGRAM

Pathology Laboratory Techniques Program Alumni Student Meeting

Graduates and students of the Pathology Laboratory Techniques Program came together in an online meeting moderated by Lecturer Eşref Çelik. During the event, alumni Narin Özkan, working at Başakşehir Çam and Sakura City Hospital, and Oğuzhan Ay, working at Bağcılar Medipol Mega Hospital, shared their professional experiences with the students. The event aimed to strengthen interaction between alumni and students.

İSTANBUL AYDIN ÜNİVERSİTESİ | 22. Yılı

PATOLOJİ LABORATUVAR TEKNİKLERİ PROGRAMI

MEZUN ÖĞRENCİ BULUŞMASI

06 Kasım 2025 | 13:00 - 14:00

Moderatör
Öğr. Gör. Eşref ÇELİK
İAU Patoloji Laboratuvar Teknikleri Programı

Mezunumuz Patoloji Teknikeri
Narin ÖZKAN
Başakşehir Çam ve Sakura Şehir Hastanesi

Mezunumuz Patoloji Teknikeri
Oğuzhan AY
Bağcılar Medipol Mega Üniversite Hastanesi

Zoom ID: 85407575599
Zoom Password: 4441428
Zoom Giriş Linki: <https://us06web.zoom.us/j/85407575599?pwd=CN75TDxdK4W7aGdqpaqZZvZllelwnZq.1>



MEDICAL LABORATORY TECHNIQUES PROGRAM

Medical Laboratory Techniques Program Students Support the “Donate Blood, Save Lives” Blood Donation Event

Between November 3 and 6, students of the Medical Laboratory Techniques (MLT) Program actively participated in the “Donate Blood, Save Lives” themed blood donation event organized by the Istanbul Aydın University Red Crescent Club at the IAU Florya Campus. Aiming to raise awareness about the importance of voluntary blood donation, which is one of the fundamental components of healthcare services, the event enabled students to both increase awareness and give hope to patients in need through blood donation. We would like to thank the IAU Red Crescent Club for organizing the event and congratulate all participating students for their sensitivity and voluntary support.





COMMUNICATION

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