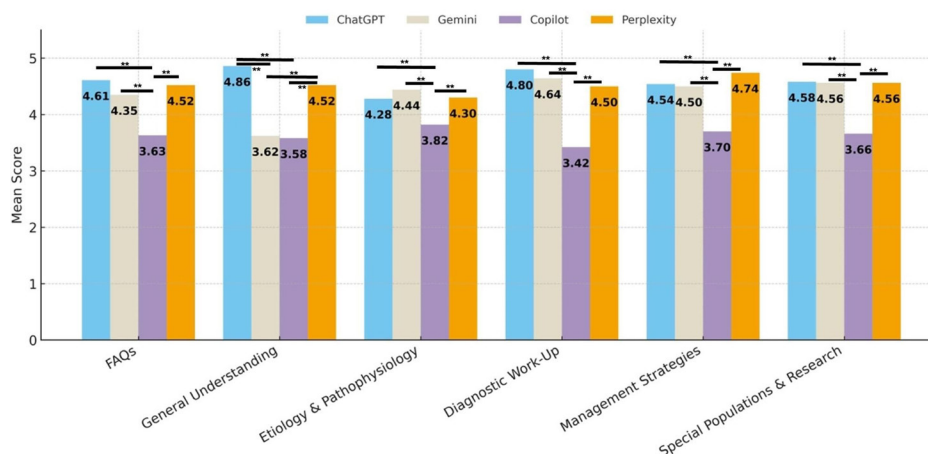


THE NEW JOURNAL OF UROLOGY



Ceker G, Ulus I, Hacıbey I. Benchmarking Artificial Intelligence Models for Clinical Guidance in Nocturia and Nocturnal Polyuria: A Comparative Evaluation of ChatGPT, Gemini, Copilot, and Perplexity. *New J Urol.* 2025;20(3):183-192.

The Importance of MTHFD2 Expression in Renal Cell Carcinoma
Onur Ceylan, Remzi Arslan

Evaluation of Human Serum Albumin's Potential Effects on Renal Ischemia-Reperfusion Injury in a Rat Model
Ümit Yıldırım, Mehmet Uslu, Mehmet Ezer, İsmet Bilger Erihan, Ali Alper Kahraman, Seyit Ali Bingöl

Efficacy of the HALP Score in Predicting Progression in Patients Undergoing Radical Cystectomy for Muscle Invasive Bladder Cancer
Rıdvan Kayar, Kemal Kayar, İlker Artuk, Samet Demir, Emre Tokuc, Metin İshak Öztürk

Nephrostomy-Associated Sepsis in Cancer Patients: What Are the Risk Factors? A Retrospective Cohort Study
Ramazan Uğur, Emin Taha Keskin, Turan Özdemir, Ahmet Eren Sağır, Direnç Özbörü, Abdullah Zilan, Abdülmüttalip Şimşek

Evidence from Hormonal and Semen Profiles Across Age Groups for Early Varicocelectomy
İsmail Ulus, Yusuf Şahin, İbrahim Hacıbey, Muhammet Murat Dinçer

Outcomes of BCG Therapy in Patients with High and Very High-Risk Non-Muscle-Invasive Bladder Cancer: Reassessing EAU Risk Stratification
Özgür Arıkan, Ayberk İplikçi, Hüseyin Özgür Kazan, Ahmet Keleş, Ferhat Keser,

İlkin Hamid-zada, Mehmet Çağlar Çakıcı, Meftun Çulpan, Asif Yıldırım

The Efficacy of Low Intensity Shock Wave Therapy (LI-SWT) in Treating Erectile Dysfunction: A Single Center Study
Emrah Özsoy, Musab Ali Kutluhan

Benchmarking Artificial Intelligence Models for Clinical Guidance in Nocturia and Nocturnal Polyuria: A Comparative Evaluation of ChatGPT, Gemini, Copilot, and Perplexity
Gökhan Çeker, İsmail Ulus, İbrahim Hacıbey

Incidental Extraprostatic Findings in Multiparametric Prostate MRI: A Retrospective Evaluation from a Tertiary Care Center
Ferhat Yakup Suçeken, Aydan Arslan, Deniz Çeliker, Timuçin Şipal, İsmail Evren, Eyüp Veli Küçük

Comparing ChatGPT and MSKCC Nomogram for Prostate Cancer Risk Predictions: A Correlation Study
Serkan Gönültaş, Mustafa Gökhan Köse, Sina Kardaş, Serhat Yentür, Filip Paslanmaz, Engin Kandirali

Bilateral Synchronous Renal Cell Carcinoma and Single-stage Nephrectomy: A Case Report
İbrahim Halil Albayrak, Mehmet Demir, Eyyüp Sabri Peli, İsmail Yağmur

THE NEW JOURNAL OF UROLOGY

• Volume **20** • Number **3** • October **2025**

THE
NEW JOURNAL
OF UROLOGY

New J Urol
eISSN 3023-6940

Volume 20 / Number 2 / June 2025

Grant Holder

Ali İhsan Taşçı

Editor-in-Chief

Ali İhsan Taşçı

Editor

Yavuz Onur Danacıoğlu

Deputy Editor-in-Chief

Mithat Ekşi

Managing Editor

Fatma Taşçı

Biostatistical Editor

Salih Polat

Büşra Emir

Ubeyd Sungur

Language Editor

Serda Güzel

Copy Editors

Murat Şahan

Samet Şenel

Digital Media Editor

Mustafa Soytaş

Publishing Service

Pera Publishing Services

🌐 <https://www.perayayincilik.com/>

Publishing Coordinator

Seda Karlıdağ

Contact

Istanbul St. Yenimahalle Mah. Kosk Apt.

N:113/A Bakırköy / Istanbul

☎ 0533 726 72 55

🌐 www.newjournalurology.com

The New Journal of Urology is an international peer-reviewed journal, published triannually (in February, June, October). Publication languages is English. All responsibility for the submitted and published content rests solely with the author(s).

© Copyright retained by the authors.

Published content can be cited provided that appropriate reference is given.

Indexed by

TÜBİTAK-ULAKBİM TR-Dizin, DOAJ, EBSCO,

SCILIT, Google Scholar,

SOBIAD, J-GATE, Türk Medline Pleksus,

Türkiye Atıf Dizini, İdeal Online

OPEN  ACCESS

Dear Colleagues,

We are pleased to have published the third issue of The New Journal of Urology for 2025. This issue includes ten (10) original articles and one (1) case report. We believe that all the current articles will be read with interest and these articles are expected to contribute to the literature and serve as a reference for future studies.

The New Urology Journal is indexed in the TÜBİTAK ULAKBİM TR Index since the first issue of 2011. Our journal is indexed in DOAJ, Google Scholar, Turkish Medline, Turkish Citation Index, SOBIAD, Scilit, Ideal Online Database, J-GATE, and EBSCO. In addition, the New Journal of Urology is in collaboration with the Orcid and CrossRef DOI systems. The process of our journal being included in the ESCI, PubMed, and EMBASE indexes is ongoing.

We are pleased to introduce Dr. Ubeyd Sungur, our new statistical editor. I believe that he will make a great contribution to our journal with his vast experience in this field. The editorial team is very grateful to all the authors and reviewers who have contributed to this issue.

We request that you submit your articles to The New Journal of Urology, take timely and rigorous action as a referee, and read the articles published in the journal and cite them where appropriate.

Respectfully yours

Editor-in-Chief

Ali İhsan Taşçı

Editor

Yavuz Onur Danacıoğlu

EDITORIAL BOARD

Editor-in-Chief

Ali Ihsan TASCI
Department of Urology, İstinye University,
School of Medicine, İstanbul, Türkiye
E-mail: aliihsantasci@hotmail.com
ORCID ID: 0000-0002-6943-6676

Editor

Yavuz Onur DANACIOĞLU
Department of Urology, Medipol Mega
University Hospital, İstanbul, Türkiye
E-mail: dr_yonur@hotmail.com
ORCID ID: 0000-0002-3170-062X

Deputy Editor-in-Chief

Mithat EKSİ
Department of Urology, Dr.Sadi Konuk
Training and Research Hospital, İstanbul,
Türkiye
E-mail: mithat_eksi@hotmail.com
ORCID ID: 0000-0003-1490-3756

Biostatistical Editors

Salih POLAT
Department of Urology, Amasya
University Sabuncuoglu Serefeddin
Training and Research Hospital, Amasya,
Türkiye
E-mail: salihpolat@gmail.com
ORCID ID: 0000-0002-7580-6872

Busra EMİR

Izmir Katip Celebi University Faculty of
Medicine Department of Biostatistics
Izmir, Türkiye
E-mail: busra.emir@ikcu.edu.tr
ORCID ID: 0000-0003-4694-1319

Ubeyd SUNGUR

Department of Urology, Dr.Sadi Konuk
Training and Research Hospital, İstanbul,
Türkiye
E-mail: ubeydsungur@gmail.com
ORCID ID: 0000-0002-8910-9859

Language Editor

Serda GUZEL
Department of Translation and
Interpreting, İstanbul Arel University,
İstanbul, Türkiye
E-mail: serdaguzel@arel.edu.tr
ORCID ID: 0000-0001-5212-9891

Copy Editors

Murat SAHAN
Department of Urology, İzmir Bozyaka
Training and Research Hospital, İzmir,
Türkiye
E-mail: dr.msahan@gmail.com
ORCID ID: 0000-0002-0065-4245

Samet SENEL

Department of Urology, Ankara City
Hospital, Ankara, Türkiye
E-mail: samet_senel_uml@hotmail.com
ORCID ID: 0000-0003-2280-4192

Digital Media Editor

Mustafa SOYTAS
Clinical Fellow of Urooncology
Division of Urology and Uro-oncology,
McGill University
Montreal, QC, Canada
E-mail: drmustafasoytas@gmail.com
ORCID ID: 0000-0002-3474-3510

BOARD MEMBERS

Abdullah Erdem CANDA
Department of Urology, Faculty of
Medicine, Koc University, İstanbul, Türkiye
E-mail: erdemcanda@yahoo.com

ORCID ID: 0000-0002-5196-653X

Ahmad MOTAWI

Department of Andrology Faculty of
Medicine, Cairo University, Egypt
E-Mail: a7madmotaw3@gmail.com
ORCID ID: 0000-0003-0962-0604

Ahmet Rahmi ONUR

Department of Urology, Faculty of
Medicine, Firat University, Elazığ, Türkiye
E-mail: rahmionur@yahoo.com
ORCID ID: 0000-0001-6235-0389

Ahmet Yaser MUSLUMANOĞLU

Department of Urology, Bağcılar Training
and Research Hospital, İstanbul, Türkiye
E-mail: yuslumanoglu56@hotmail.com
ORCID ID: 0000-0002-8691-0886

Ali Serdar GOZEN

Department of Urology, SLK Klinikum
Heilbronn, Am Gesundbrunnen 20,
Heilbronn, GERMANY
E-mail: asgozen@yahoo.com
ORCID ID: 0000-0002-2205-5876

Asif YILDIRIM

Department of Urology, Göztepe
Medeniyet University, İstanbul, Türkiye
E-mail: asifyildirim@yahoo.com
ORCID ID: 0000-0002-3386-971X

Archil CHKHOTUA

L. Managadze National Center of Urology,
Tbilisi, GEORGIA
E-mail: achkhotua@gmail.com
ORCID ID: 0000-0002-0384-8619

Arunas ZELVYS

European Association of Urology,
European Board of Urology, Vilnius
University Hospital Santariskiu Klinikos
Vilnius, Lithuania
E-mail: arunas.zelvys@santa.lt
ORCID ID: 0000 0002 9778 9372

Ates KADIOĞLU

Department of Urology, Faculty of
Medicine, İstanbul University,
İstanbul, Türkiye
E-mail: kadiogluates@ttnet.net.tr
ORCID ID: 0000-0002-5767-4837

Badrinath KONETY

Allina Health Cancer Institute -
Minneapolis, USA
E-mail: badrinath.konety@allina.com
ORCID ID: 0000-0002-1088-3981

Fatih YANARAL

Department of Urology, Memorial Şişli
Hospital, İstanbul, Türkiye
E-mail: fatihyanaral@gmail.com
ORCID ID: 0000-0002-7395-541X

Hashim HASHİM

Bristol Urological Institute, Southmead
Hospital, Bristol, Somerset, UK
E-mail: h.hashim@gmail.com
ORCID ID: 0000-0003-2467-407X

Ihsan KARAMAN

Department of Urology, Medistate Kavacık
Hospital, İstanbul, Türkiye
E-mail: mikaraman@hotmail.com
ORCID ID: 0000-0003-3275-3202

Imad ZİOUZİOU

Department of Urology, College of
Medicine and Pharmacy, Ibn Zohr
University, Agadir, MOROCCO

E-mail: imadziouziou@hotmail.com

ORCID ID: 0000-0002-9844-6080

Jean De La ROSETTA

Department of Urology, İstanbul Medipol
University, İstanbul, Türkiye
E-mail: jdelarosette@medipol.edu.tr
ORCID ID: 0000-0002-6308-1763

Jeremy Y. C. TEOH

Prince of Wales Hospital, Shatin,
Hong Kong.
E-mail: jeremyteoh@surgery.cuhk.edu.hk
ORCID ID: 0000-0002-9361-2342

Joyce BAARD

Amsterdam UMC, University of
Amsterdam, Amsterdam, the Netherlands
E-mail: j.baard@amsterdamumc.nl
ORCID ID: 0000-0002-5509-0213

Kemal SARICA

Department of Urology, Kafkas University,
Kars, Türkiye
E-mail: kemalsarica@superonline.com
ORCID ID: 0000-0001-7277-3764

M. Derya BALBAY

Department of Urology, Şişli Memorial
Hospital, İstanbul, Türkiye
E-mail: derya.balbav@memorial.com.tr
ORCID ID: 0000-0003-0060-5491

Mahmut GUMUS

Department of Medical Oncology, Faculty
of Medicine, Medeniyet University,
İstanbul, Türkiye
E-mail: mahmut.gumus@medeniyet.edu.tr
ORCID ID: 0000-0003-3550-9993

Mesrur Selcuk SILAY

Department of Urology, Bahcelievler
Memorial Hospital, İstanbul, Türkiye
E-mail: selcuksilay@gmail.com
ORCID ID: 0000-0001-5091-9654

Murat BOZLU

Department of Urology, Faculty of
Medicine, Mersin University,
Mersin, Türkiye
E-mail: muratbozlu@yahoo.com
ORCID ID: 0000-0002-8624-0149

Mohammed SAID SULAIMAN

Department of Surgery, St. Paul's Hospital
Millennium Medical College, ETHIOPIA
E-mail: bensulaimani@gmail.com

Oner SANLI

Department of Urology, Faculty of
Medicine, İstanbul University,
İstanbul, Türkiye
E-mail: onersanli@hotmail.com
ORCID ID: 0000-0001-5801-6898

Osama Kamal ZAKI SHAEER

Faculty of Medicine, Cairo University,
Egypt
Email: dr.osama@alrijal.com
ORCID ID: 0000-0002-3811-9969

Paolo GONTERO

Urology Unit, Department of Surgical
Sciences, University of Turin, Italy
E-mail: paolo.gontero@unito.it
ORCID ID: 0000-0002-9714-6596

Pilar LAGUNA

Department of Urology, İstanbul Medipol
University, İstanbul, Türkiye
E-mail: plaguna@medipol.edu.tr
ORCID ID: 0000-0003-0906-4417

Raed AZHAR

Urology Department of King Abdulaziz
University Saudi Arabia Kingdom
E-mail: raedazhar@gmail.com
ORCID ID: 0000-0001-5233-1352

Rajveer PUROHIT

Department of Urology, Mount Sinai
Hospital, New York, USA
E-mail: rajveer.purohit@mountsinai.org
ORCID ID: 0000-0002-5912-8354

Ramazan Gökhan ATİŞ

Department of Urology, Memorial Şişli
Hospital, İstanbul, Türkiye
E-mail: gokhanatis@hotmail.com
ORCID ID: 0000-0002-9065-6104

Saad ALDOUSARI

Department of Surgery of Kuwait
University, Kuwait
E-mail: saad.aldousari@gmail.com
ORCID ID: 0000-0003-1670-9287

Sarp Korcan KESKİN

Department of Urology, Oxford University
Hospitals NHS, Oxford, United Kingdom
E-mail: urologum@gmail.com
ORCID ID: 0000-0003-4681-5427

Selami ALBAYRAK

Department of Urology, Faculty of
Medicine, Medipol University,
İstanbul, Türkiye
E-mail: salbayrak@medipol.edu.tr
ORCID ID: 0000-0002-4245-7506

Shahid KHAN

Department of Urology, East Surrey
Hospital, London, United Kingdom
E-mail: shahidkhan1@nhs.net
ORCID ID: 0009-0002-3072-1514

Sudhır KUMAR RAWAL

Oncology Services
Rajiv Gandhi Cancer Institute,
New Delhi, India
E-mail: sunil.kumar@amo.bbott.com
ORCID ID: 0000-0002-3331-2372

Simon TANGUAY

FRCS Professor and Chair Division of
Urology Mostafa Elhilali, David Azrieli
Chair in Urologic Sciences McGill
University, Montreal, Quebec
E-mail: simon.tanguay@mcgill.ca
ORCID ID: 0000-0001-6947-304X

Turhan ÇAŞKURLU

Department of Urology, Memorial Ataşehir
Hospital İstanbul, Türkiye
E-mail: tcaskurlu@hotmail.com
ORCID ID: 0000-0002-4471-2670

Volkan TUGCU

Department of Urology, Liv Hospital,
İstanbul, Türkiye
E-mail: volantugcu@yahoo.com
ORCID ID: 0000-0002-4136-7584

Widi Atmoko

Department of Urology, Cipto
Mangunkusumo General Hospital,
Universitas, Indonesia
E-mail: dr.widiatmoko@yahoo.com
ORCID ID: 0000-0002-7793-7083

Yodgorov Ibromkhim FAHRRIDDINOVICH

Bukhara State Medical University Bukhara,
Uzbekistan
E-mail: ibroxim_yodgorov@mail.ru
ORCID ID: 0000-0001-9563-0686



CONTENTS

Original Research

- The Importance of MTHFD2 Expression in Renal Cell Carcinoma** 121-129
Onur Ceylan, Remzi Arslan
- Evaluation of Human Serum Albumin's Potential Effects on Renal Ischemia-Reperfusion Injury in a Rat Model** 130-138
Ümit Yıldırım, Mehmet Uslu, Mehmet Ezer, İsmet Bilger Erihan, Ali Alper Kahraman, Seyit Ali Bingöl
- Efficacy of the HALP Score in Predicting Progression in Patients Undergoing Radical Cystectomy for Muscle Invasive Bladder Cancer** 139-148
Rıdvan Kayar, Kemal Kayar, İlker Artuk, Samet Demir, Emre Tokuc, Metin İshak Öztürk
- Nephrostomy-Associated Sepsis in Cancer Patients: What Are the Risk Factors? A Retrospective Cohort Study** 149-158
Ramazan Uğur, Emin Taha Keskin, Turan Özdemir, Ahmet Eren Sağır, Direnç Özbörü, Abdullah Zilan, Abdülmüttalip Şimşek
- Evidence from Hormonal and Semen Profiles Across Age Groups for Early Varicocelelectomy** 159-165
İsmail Ulus, Yusuf Şahin, İbrahim Hacıbey, Muhammet Murat Dinçer
- Outcomes of BCG Therapy in Patients with High and Very High-Risk Non-Muscle-Invasive Bladder Cancer: Reassessing EAU Risk Stratification** 166-174
Özgür Arıkan, Ayberk İplikçi, Hüseyin Özgür Kazan, Ahmet Keleş, Ferhat Keser, İlkin Hamid-zada, Mehmet Çağlar Çakıcı, Meftun Çulpan, Asif Yıldırım
- The Efficacy of Low Intensity Shock Wave Therapy (LI-SWT) in Treating Erectile Dysfunction: A Single Center Study** 175-182
Emrah Özsoy, Musab Ali Kutluhan
- Benchmarking Artificial Intelligence Models for Clinical Guidance in Nocturia and Nocturnal Polyuria: A Comparative Evaluation of ChatGPT, Gemini, Copilot, and Perplexity** 183-192
Gökhan Çeker, İsmail Ulus, İbrahim Hacıbey

CONTENTS

Incidental Extraprostatic Findings in Multiparametric Prostate MRI: A Retrospective Evaluation from a Tertiary Care Center Ferhat Yakup Suçeken, Aydan Arslan, Deniz Çeliker, Timuçin Şipal, İsmail Evren, Eyüp Veli Küçük	193-200
Comparing ChatGPT and MSKCC Nomogram for Prostate Cancer Risk Predictions: A Correlation Study Serkan Gönültaş, Mustafa Gökhan Köse, Sina Kardaş, Serhat Yentür, Filip Paslanmaz, Engin Kandirali	201-207
Case Report	
Bilateral Synchronous Renal Cell Carcinoma and Single-stage Nephrectomy: A Case Report İbrahim Halil Albayrak, Mehmet Demir, Eyyüp Sabri Pelit, İsmail Yağmur	208-211
Correction	
Correction to: A Rare Case of Bladder Tumor: Squamous Cell Papilloma	212-213