

**29TH WORLD CONGRESS
ON MEDICAL LAW (WCML)**

**5-8 AUGUST 2025
HILTON ISTANBUL BOSPHORUS
İSTANBUL, TÜRKİYE**

ABSTRACT BOOK

Editors

Ayşe Kurtoğlu
Abdullah Yıldız
Berna Arda

Ankara-2025

Ankara Üniversitesi Yayınları No:
Sağlık Uygulama ve Araştırma Hastaneleri Yayın No:

ISBN:

Kitapta bulunan bölüm yazılarının tüm sorumluluğu yazarlarına aittir.

Baskı Yeri:
Ankara Üniversitesi Basımevi
İncitaşı Sokak No: 10 06510 Beşevler / ANKARA
Tel: (0312) 213 66 55
Basım Tarihi:



Welcome to Türkiye

I would like to welcome you the esteemed delegates of the World Association for Medical Law and dear participants for the 29th World Congress for Medical Law.

I am delighted to express my honor and pleasure in Ankara University's hosting this significant event together with World Association for Medical Law (WAML).

Ankara University has committed itself to enlighten the path of humanity always considering what the founder of our republic, the great Atatürk, had stated: "The truest guide in life is science." To achieve this goal, our university puts all its effort into building an appropriate environment for original and qualified studies and raising individuals who are self-reliant, free thinking, unprejudiced, and respectful to social and universal values.

Ankara University has set values like participation, transparency, justice, equality of opportunity, and competence as its principles and regards supporting initiatives in ethics and offering original contributions to the issue as a priority. Research are being conducted and educational programs are being offered by many departments contributing to the fields of medical law and bioethics through a multidisciplinary perspective at our university. As a physician and a scientist who considers the guidance of ethics both as a need and an anchor, I do acknowledge the necessity to enhance these efforts.

Professor Berna Arda (MD, PhD, MSpec), who led many international and national institutions and activities, has been working for the History of Medicine and Ethics Department which was founded in 1946 and was one of the first ones of our Medical School. As a pioneer in bioethics, Professor

Arda is now organizing the 29th World Congress for Medical Law and Bioethics following the “3rd International Conference on Islam and Bioethics” organized in 2010 by Ankara University in collaboration with Haifa University in Antalya and 2nd International Conference on Ethics Education in Ankara in 2014. I would like to congratulate her for this remarkable efforts.

I hope that this intensive three-day academic program reveals the current situation of vulnerability concept all over the World and provides a medium for the sharing of experiences. I wish the congress proves to be a successful and efficient one for all participants.

Yours sincerely

Prof. Dr. Necdet ÜNÜVAR
Rector of Ankara University



Dear Rector of Ankara University, dear President of Turkish Medical Association, esteemed colleagues

On behalf of Ankara University and WAML, it is really great honour to see you as distinguished participants of the 29th World Congress for Medical Law and Bioethics in Istanbul.

My country attributes great importance to this unique and rapidly evolving academic disciplines of humanity, medicine and law intersect. There are medical ethics and medical law courses in all medical schools, as an indispensable part of undergraduate medical education in Türkiye. This fact is based on the traditional approach in medical education since 19th century, and this huge potential background offered us a great opportunity to study, explore and shape modern ethics curriculum in medicine. This dynamic nature, necessitates depth and through assessments of medical practice from an ethico-legal standing point. This three days congress will focus on the normative and bioethical dimensions of vulnerability concept in our era so it looks as an great opportunity to discussed health disparities relevant to vulnerability with different dimensions.

I am grateful to all colleagues, scholars of various disciplines such as medicine, law, history of medicine, sociology, philosophy, bioethics, women's studies, who flight for hours to reach Istanbul to share their academic experiences with us. Your valuable participation has broader impact on the development of medical law and bioethics in all over the world. More than 250 abstracts from 55 different countries has been submitted.

I am a WAML member since 2005 and worked actively in the WAML as a governor for Türkiye since 2006 and six years as treasurer in EC. I haven't missed any WCML since 2000 Helsinki. Thanks to Amnon Carmi and Thomas Noguchi, who knows my dedication. I am proud of to be an academic staff of Ankara University, always supported and encouraged me.

I would also say cordially thanks to TUBİTAK (The Scientific and Technological Research Council of Türkiye), Turkish Airlines, Turkish Transplant Foundation and Istanbul Convention and Visitors Bureau for their support to the Congress.

There will be three plenary sessions and twelve conferences in plenary, one forum, one workshop, one panel and three sessions for poster discussions.

WAML General Assembly will be held on the second day of conference and a boat tour is waiting for us at the end of the first day. On 9th of August, Saturday a guided tour will be organized.

Wishing a fruitful congress in Istanbul, “capital of medical law and bioethics for three days”

Sincerely

Prof. Berna Arda (MD, Med Spec, PhD)

Ankara University, School of Medicine
Chair, Women’s Studies Department, Ankara University
Istanbul Congress Ambassador

CONGRESS CHAIR

Prof Berna Arda

CONGRESS SECRETARY

Asst Prof Abdullah Yıldız

Asst Prof Ayşe Kurtoğlu

WAML EXECUTIVE COMMITTEE (2024-2026)

President, Thierry Vansweevelt (Belgium)

Secretary-General, Vugar Mammadov (Azerbaijan)

Executive Vice President, Nicola Glover-Thomas (United Kingdom)

Treasurer, Rosa Teresa Meza Vasquez (Peru)

Administrative Officer, Denise McNally

WAML BOARD OF GOVERNORS

Berna Arda (2026), Türkiye
Mustafa Aslam (2026), Pakistan
Jerzy Bednarski (2027), Poland
Cécile Bensimon, VP (2026), Canada
Roy Beran (2026), Australia
Toma Birmontiene (2026), Lithuania
Eduardo Dantas, VP (2026), Brazil
Jonathan Davies (2026), Israel
Ofelia De Lorenzo Aparici (2028), Spain
Sanjin Dekovic (2026), Bosnia and Herzegovina
Anne-Marie Duguet (2026), France
Nicola Glover-Thomas, EVP (2026), United Kingdom
Charles William “Bill” Hinnant (2026), USA
Radmyla Hrevtsova (2026), Ukraine
James Johnston, VP (2027), New Zealand
Neil Kirby (2028), South Africa

Albert Lee, VP (2027), Hong Kong
Hongjie Man (2028), China
Vugar Mammadov (2026), Azerbaijan
Rosa Teresa Meza Vasquez (2026), Peru
Hajrija Mujovic (2027), Serbia
Muh Nasser (2027), Indonesia
Olaolu Osanyin, VP (2027), Nigeria
Svetlana Pospelova (2026), Russian Federation
Vera Lucia Raposo (2027), Portugal
Luis Ravanal (2026), Chile
Henriette Roscam Abbing (2026), Netherlands
Janne Rothmar Herrmann (2026), Denmark
Judit Sandor (2026), Hungary
Barry Solaiman (2027), Qatar
Shigeki Takahashi (2026), Japan
Thierry Vansweevelt (2026), Belgium

ORGANISING COMMITTEE

Prof P. Elif Ekmekçi (Head)
Prof Albert Lee (Hong Kong)
Assoc Prof Mukadder Gün
Asst Prof Nuray Güneş
Assoc Prof Cemal H. Güvercin
Assoc Prof Önder İlgili

Asst Prof Fatih Namal
Assoc Prof Tuğçe Oral
Assoc Prof Meliha Sermin Paksoy
Assoc Prof Svetlana Pospelova, (Russia)
Assoc Prof Şükran Sevimli
Assoc Prof S. Eray Yurdakul

INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE

Prof Henriette Roscam Abbing (Netherlands)	Prof Vugar Mammadov (Azerbaijan)
Prof Roy Beran (Australia)	Prof Nasser Muh (Indonesia)
Prof Bahaa Darwish (Egypt)	Prof Hajrija Mujovic (Serbia)
Prof Anne-Marie Duguet (France)	Prof Zamira Mukhamedova (Uzbekistan)
Prof Volnei Garrafa (Brazil)	Prof Renzo Pegoraro (Italy)
Prof Nicola Glover-Thomas (UK)	Prof Henry Silverman (USA)
Prof Radmila Hrevtsova (Ukraine)	Prof Thierry Vansweevelt (Belgium)
Prof Henk ten Have (Netherlands)	Prof Vina Vaswani (India)
Prof Albert Lee (Hong Kong)	Prof Rosa Teresa Meza Vasquez (Peru)

NATIONAL SCIENTIFIC ADVISORY COMMITTEE

Prof Gürol Cantürk	Prof Ioanna Kuçuradi
Prof M. Murat Civaner	Prof Gülbin Özçelikay
Prof Nesrin Çobanoğlu	Prof Ergun Özsunay
Prof Tamay Başağaç Gül	Prof Nüket Örnek Büken
Prof Ayşegül Demirhan Erdemir	Prof Serap Şahinoğlu
Prof H. Hanzade Doğan	Prof Zarife Şenocak
Prof Hayriye Erbaş	Prof Nil Sarı
Asst Prof R. Barış Erman	Prof Hülya Şınga
Prof Şefik Görkey	Prof Harun Tepe
Prof Hakan Hakeri	Prof Gülriz Uygur
Prof Selim Kadioğlu	Prof Yener Ünver
Prof Tuğrul Katoğlu	Prof N. Yasemin Yalım

ABSTRACT REVIEWING COMMITTEE

Prof Ahmet Acıduman (<i>Türkiye</i>)
Prof Janne Rothmar Herrmann (Denmark)
Dr James C. Johnston (New Zealand, USA)

YOUNG SCIENTIST AWARD COMMITTEE

Prof Eduardo Dantas (Brazil)
Prof Anne-Marie Duguet (France)
Prof Hajrija Mujovic (Serbia)
Assoc Prof Meliha Sermin Paksoy (<i>Türkiye</i>)
Prof Thierry Vanseweevelt (Belgium)

**ADDRESSING PATIENTS' VULNERABILITY RELATED
TO THE USE OF ARTIFICIAL INTELLIGENCE –
LEGAL CHALLENGES**

Ranko Sovilj

Institute of Social Sciences, Belgrade, Serbia, Serbia

The use of Artificial Intelligence (AI) in healthcare is rapidly growing, offering a range of potential benefits such as improved diagnostic accuracy, and personalized treatment. However, the integration of AI in healthcare also poses several legal and ethical challenges that need to be carefully addressed to ensure patient safety, fairness, and equity. These challenges are primarily related to privacy, surveillance, bias, discrimination, responsibility, and the role of human judgment in medical decisions. As AI systems become more integrated into healthcare, they are also becoming potential targets for cyberattacks. These systems frequently deal with sensitive health data, including patient records, where patient information is either stolen or manipulated, as well as attacks that compromise the functionality of AI systems, which could result in inaccurate diagnoses or inappropriate treatment recommendations. In healthcare, even minor errors in AI-driven procedures or protocols can have catastrophic consequences for patients, who are already vulnerable due to their medical conditions. Given that patients typically interact with healthcare professionals at their most fragile moments, it is essential to ensure that AI systems operate with the highest degree of accuracy and safety. Therefore, the need to address cybersecurity vulnerabilities is critical due to the potentially severe consequences of AI-related cyberattacks within healthcare system. The integration of AI in healthcare has enormous potential but comes with significant legal, ethical, and technical challenges. These challenges must be addressed through careful regulation, transparent practices, and continuous engagement of both patients and healthcare professionals. Balancing the potential benefits of AI with the protection of patient rights, the maintenance of trust in healthcare, and the safeguarding of fairness are essential for the responsible use of AI in healthcare. Nowadays, there are still no comprehensive regulations specifically addressing the legal and ethical issues surrounding the use of AI

in healthcare. Hence, legal frameworks, ethical guidelines, and robust supervision will be crucial in ensuring that AI's use in healthcare ultimately benefits patients without compromising their safety, dignity, or rights. Top of Form This paper aims to explore these critical concerns, emphasizing the importance of algorithmic transparency, the protection of patient privacy, and the safeguarding of all individuals from potential harm. Additionally, the paper highlights the urgency of addressing cybersecurity vulnerabilities associated with AI technologies in healthcare.