

PREFACE

We are please to present this Special Issue of the *Journal of Decision Making and Healthcare* (Volume 3, Issue 3) which is associated with the Workshop on Decision Making and Healthcare 2026, held on August 3–4, 2026, at China Medical University, Taichung, Taiwan. The workshop provided an interdisciplinary forum for researchers, clinicians, and healthcare professionals to exchange recent developments in decision-making, artificial intelligence, data analysis, and their applications in healthcare. The contributions presented in connection with the workshop cover a broad range of topics, including artificial intelligence and machine learning, explainable clinical prediction, mathematical and physics-informed modeling, healthcare cybersecurity, rehabilitation technology, mental health, public health, and functional assessment. These diverse studies reflect the increasingly interdisciplinary nature of modern healthcare research, in which computational methods, clinical knowledge, and technological innovation are brought together to support better decision-making. A common theme across these works is the growing importance of developing healthcare decision-support approaches that are not only accurate, but also interpretable, practical, and relevant to real clinical and public-health settings. The workshop also emphasized the future role of artificial intelligence in medicine and the value of research collaboration, including discussion of AI integration, clinical systems, and data workflows in healthcare environments.

I sincerely thank all authors, invited speakers, organizers, reviewers, and the editorial team for their valuable contributions and support. I hope that this Special Issue will provide a useful platform for sharing new ideas, encouraging interdisciplinary collaboration, and advancing intelligent, evidence-based, and patient-centered decision-making in healthcare.

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