



EDITORIAL

# Crosstalk in Multidisciplinary Approaches for Evidence-Based Medicine

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The application of evidence-based medicine (EBM) in the medical field mainly involves advancements in clinical design, proper data analysis, and efficient research techniques. EBM includes a collection of vital information regarding diagnosis, therapy, prognosis, clinical trial studies, and healthcare problems. The capacity of the available evidence together with a multidisciplinary approach has made EBM more reliable than ever. Clinical decision with multidisciplinary perspectives has been widely discussed in the literature. Even common illness such as dizziness requires interdisciplinary treatment. Medical quality not only includes the patient's prognosis but also safety of hospital against terrorist attack.<sup>3</sup> On the other hand, multiple research has highlighted the need for a multidisciplinary approach in the management of elder patients with dementia, post-traumatic brain injury, breast cancer, and acupuncture. <sup>4-6</sup> Holistic well-being in aged people includes the management of sensory impairments depends on complexity of evidence-based interventions. <sup>7,8</sup>

Studies in this Article Collection focus on the significance of EBM using multidisciplinary approaches and encourage further investigation in the future.

Chen et al introduced possible methodologies for the development of safety systems against terrorist assaults in hospitals through the EBM.<sup>3</sup> Their ideas provide practical implementation techniques for the emergence of hospital safety systems.

A big data population-based case-control study performed by Chu et al demonstrated an association between dementia and traumatic brain injury (TBI) with epilepsy. The authors found that epilepsy increases the risk of dementia in patients with TBI. Highlights of this correlation emphasize the need for further investigation of the underlying mechanisms. It is essential to understand these relationships to improve clinical results and prevention strategies.

Sugiyama et al conducted a pilot study that integrated the electronic health records (EHR) of various healthcare professionals throughout the coordinated breast cancer care pathway.<sup>5</sup> They concluded that the proposed tactics provided an enhanced comprehension of the patients' condition to the medical team. However, other challenges remain unaddressed. Resistance to collaborating on documented information between suppliers hinders the optimization of EHR.

Sun et al reviewed the overall descriptions and quality assessment of Delphi reports in the literature. The investigation reported the importance of the Delphi process in acupuncture decision-making. Recent studies have shown the need for the standardization of guidelines to improve the reliability of clinical acupuncture practices.

Study evidence by Haanes suggested that integrated and community-based methods significantly improve outcomes in aging populations with sensory impairments. Common manifestations of sensory impairments in senile patients are managed by assistive-technology-based prescriptions, physical activity schemes, and cognitive plans.

Hung et al inspected physical fitness as a crucial feature for executing holistic well-being in an aging population.<sup>8</sup> Daily practices to contribute to and enhance physical well-being consisted of regular exercise and a balanced diet, which can lead to a healthier life.

In summary, the papers in this Article Collection reflect recent advances in various diseases. The Article Collection received 11 submissions, including 6 acceptances and 5 rejections. We aimed to survey the modernized development of scientific accomplishments to refine patient care. Recently, multidisciplinary approaches to EBM have attracted considerable attention. We expect this Article Collection to not only innovate further research studies but also facilitate wider application of EBM in clinical settings. In the future, multidisciplinary team collaboration should be strengthened. Thus, we can improve the development of EBM and make better contributions to human health.

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#### **Author Contributions**

All authors made a significant contribution to the work reported, whether that is in the conception, study design, execution, acquisition of data, analysis and interpretation, or in all these areas; took part in drafting, revising or critically reviewing the article; gave final approval of the version to be published; have agreed on the journal to which the article has been submitted; and agree to be accountable for all aspects of the work.

#### Disclosure

The authors report no conflicts of interest in this work.

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