Editors Response to Letter to the Editor: Exploring quantum mechanisms in heart-brain interaction: Bridging physics, cardiology, and physiology

Editöre Mektuba Editörün Yanıtı: Kalp-beyin etkileşiminde kuantum mekanizmalarını keşfetmek: Fizik, kardiyoloji ve fizyoloji arasında köprü kurmak

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First, I would like to thank the authors for sharing their reflections, which extend far beyond the spectrum of our daily professional practice.[1] Their well-written and insightful letter inspired me to make a brief contribution.

Traditionally, the heart has been regarded as the seat of the human soul. However, as a cardiovascular surgeon, I have never been fully reconciled to the notion of perceiving it merely as a pump. As the authors correctly pointed out, there may be communication pathways among organs that go beyond our current knowledge, and research on these pathways is still ongoing.

In this context, the groundbreaking work on entangled photons by Alain Aspect, John Clauser, and Anton Zeilinger, recipients of the 2022 Nobel Prize in Physics, may also be considered supportive of the potential mechanisms mentioned.[2] This award-winning study demonstrated that two particles, even when separated, can behave as a single unit. Such an example of communication in the quantum universe provides further reason to think that similar variations might exist among organs in the human body, which all originate from a single zygote. Future studies in this field may elucidate the detailed mechanisms of psychosomatic disorders, or conversely, reveal the cognitive reflections of organic diseases.

As the official journal of the Turkish Society of Cardiovascular Surgery, we would like to emphasize once again that it would be both an honor and a source of great excitement for us to evaluate comprehensive studies in this area.

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