# Enhancing Pain Assessment and Anesthesia Management: Fractional Modeling with AI

Guest Editor:

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## Message from the Guest Editor

The integration of fractional calculus and AI in healthcare holds great potential for numerous areas, including anesthesia, hemodynamic monitoring, epilepsy monitoring, and pain management. By combining these concepts, healthcare professionals can benefit from more accurate monitoring, prediction, and intervention, ultimately leading to improved patient outcomes.

Possible topics that qualify for this are (but not limited to):

Fractional calculus and AI in monitoring for anesthesia
Hemodynamic monitoring optimized with fractional calculus and AI
Integration of fractional calculus and AI in monitoring for epilepsy
Pain monitoring and fractional calculus combined with AI.

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