



## 講師

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## 授課主題

Deep Learning Parameter to Manage Intraoperative Hypotension: Past & Future

## 摘要

The integration of AI with non-invasive hemodynamic monitoring is redefining perioperative care in major surgeries. This lecture explores how predictive technologies like the Hypotension Prediction Index (HPI) enable early identification of hemodynamic instability, allowing clinicians to proactively manage hypotension and hypertension before it happens. By analyzing arterial waveform features in real time, HPI-guided protocols have demonstrated significant reductions in intraoperative hypotension and improved fluid responsiveness. We will examine how AI-driven monitoring supports individualized fluid therapy and vasopressor titration, optimizing tissue perfusion and reducing organ dysfunction risk. This session will also reveal the clinical application, efficacy, and results between setting hypotension predictive index at 85 and MAP at 73 mmHg as an indicator of hemodynamic instability.