



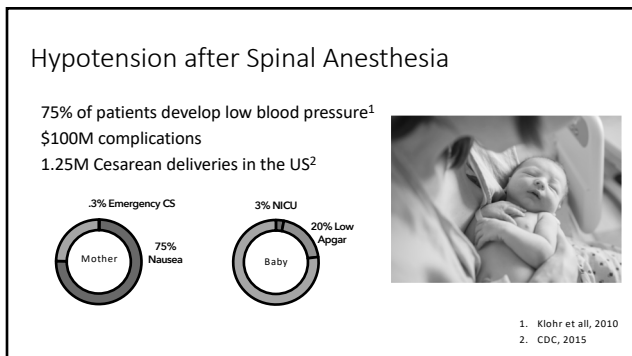
Artificial Intelligence in Obstetrics

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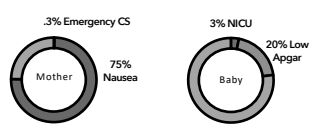
STA Annual Meeting, Austin, Texas

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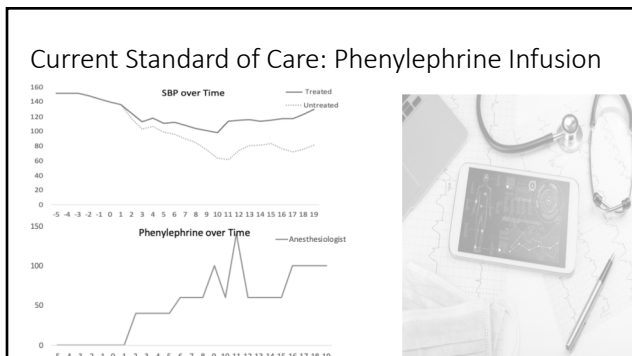
Hypotension after Spinal Anesthesia

75% of patients develop low blood pressure¹
\$100M complications
1.25M Cesarean deliveries in the US²


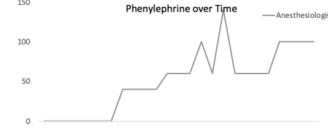
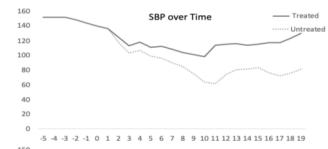


1. Klohr et al, 2010
2. CDC, 2015

2



Current Standard of Care: Phenylephrine Infusion



3

Automating Drug Infusions

We need reliable systems able to function autonomously.



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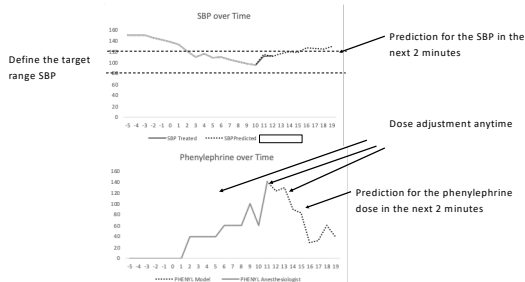
Explainable AI

Efforts to make the decision process more transparent

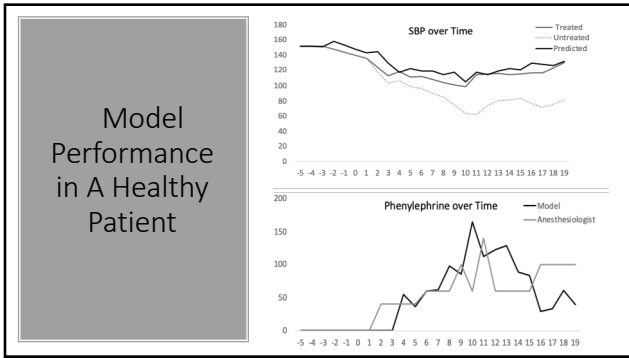


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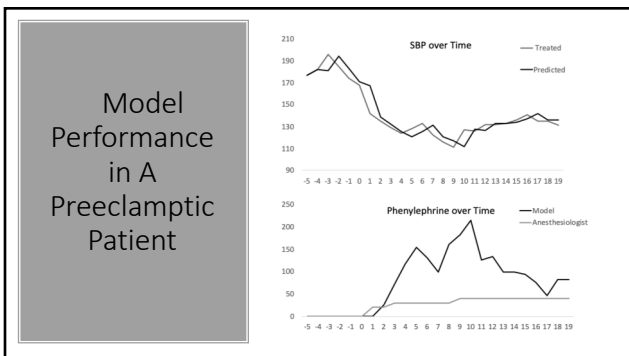
Features of Our Model



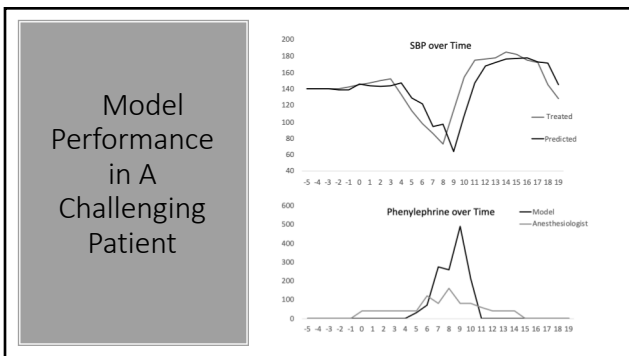
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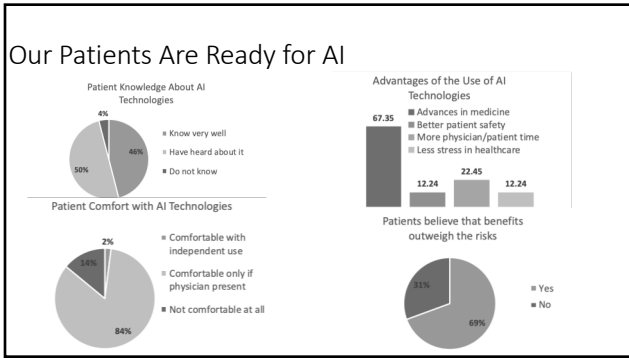
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Thank you

<p>BWH Anesthesiology Department</p> <p>Obstetric Anesthesiology Division</p> <p>William Armero Naida Cole, MD Chen-Chen Yun, MD Danielle Parise, MD Shubhangi Singh, MD Anna Ray, MD Kara Fields</p> <p>CCDS</p> <p>Katherine Andreole, PhD Raphael Cohen, BS Christopher Bridge, PhD Ryan King, MD</p>	<p>BWH i-Hub</p> <p>Brian Mullen Cassandra Lee</p> <p>Partners Innovation</p> <p>Chris Coburn Michaela Levin, PhD Nina Djanski, PhD Chad Ozbeki Glen Miller</p> <p>BRI</p> <p>Jackie Slavik, PhD Anu Swaminathan, PhD Alexandra Gallant</p>
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