



THE | SHAPING A
TECHMED | HEALTHY
EVENT | FUTURE

11:00-12:15

AI: from Bench to Bedside



AI: from Bench to Bedside

Jelmer Wolterink
Wander Kenter



**Mathematics
of Imaging & AI**

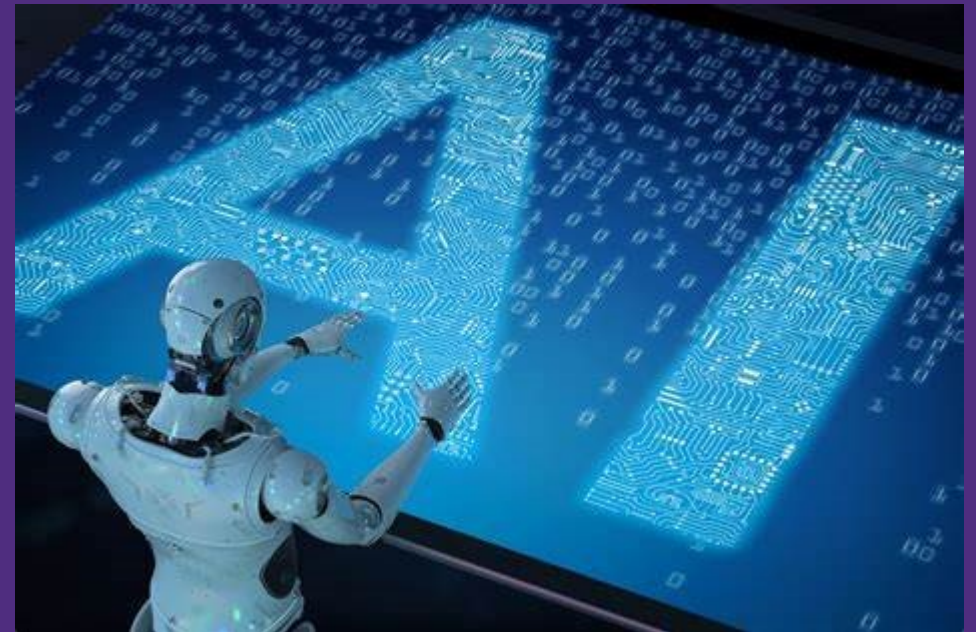
DISCLOSURE SLIDE

Nothing to disclose

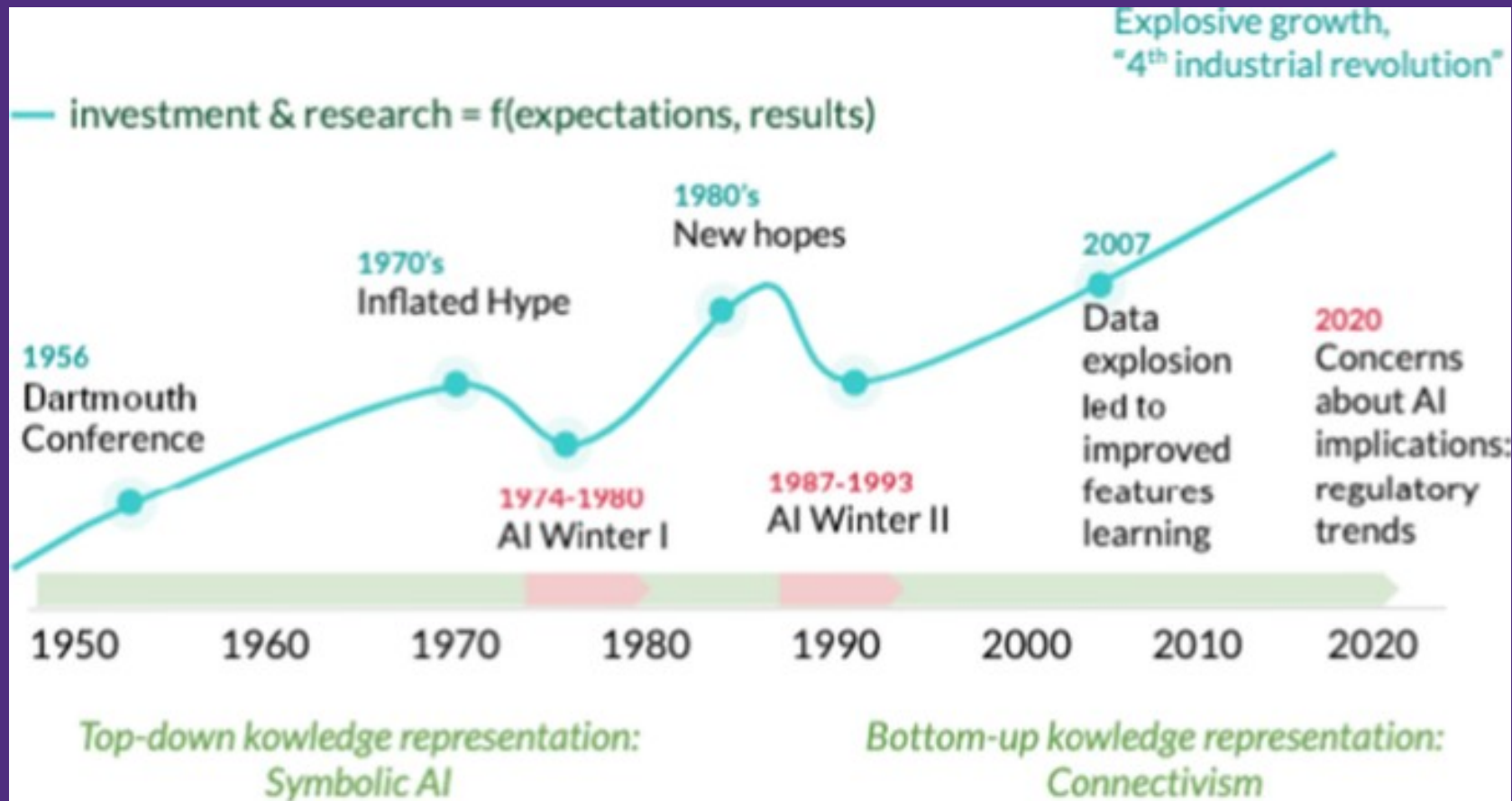


AI @ TECHMED CENTRE

- Research domains
 - Imaging & diagnostics
 - Design of medical devices & robotics
 - Medical physiology & e-health technology
 - Bioengineering technologies
 - Healthtech in societies



ARTIFICIAL INTELLIGENCE



ARTIFICIAL INTELLIGENCE



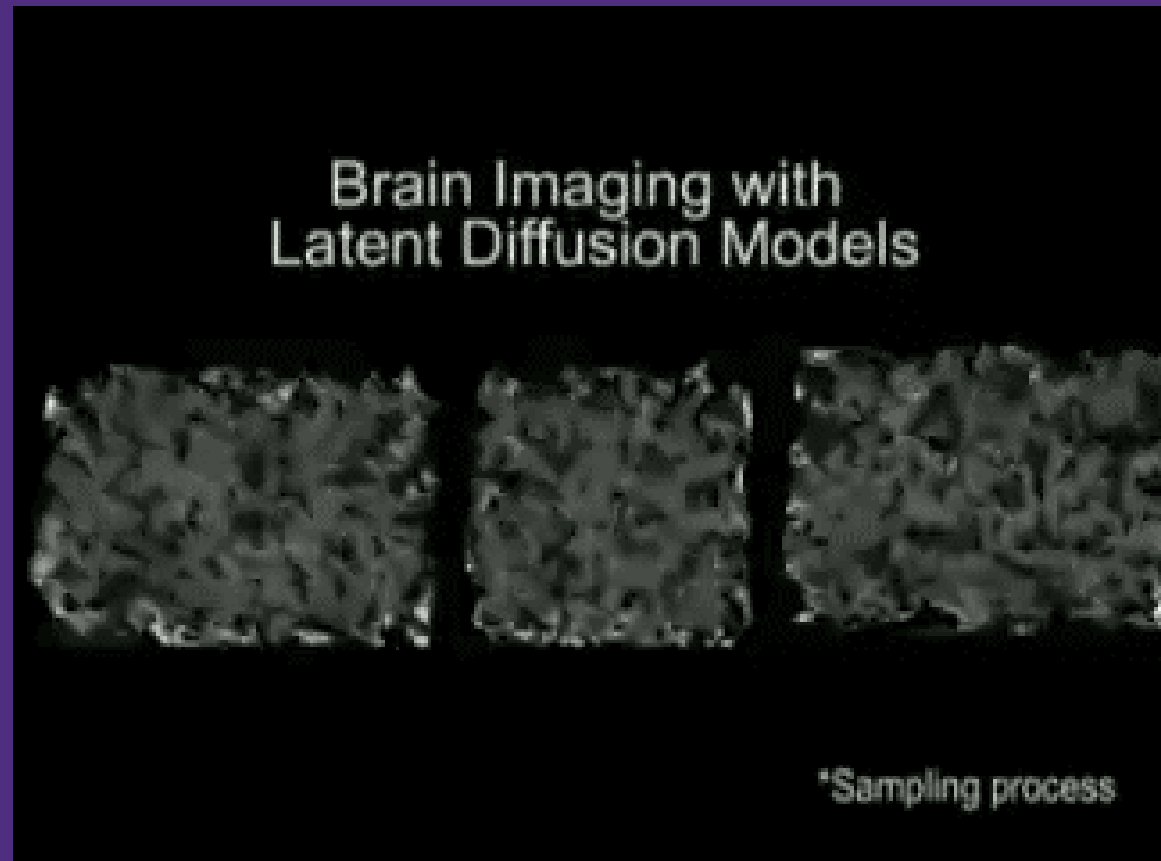
The flower has petals that are bright pinkish purple with white stigma

ARTIFICIAL INTELLIGENCE

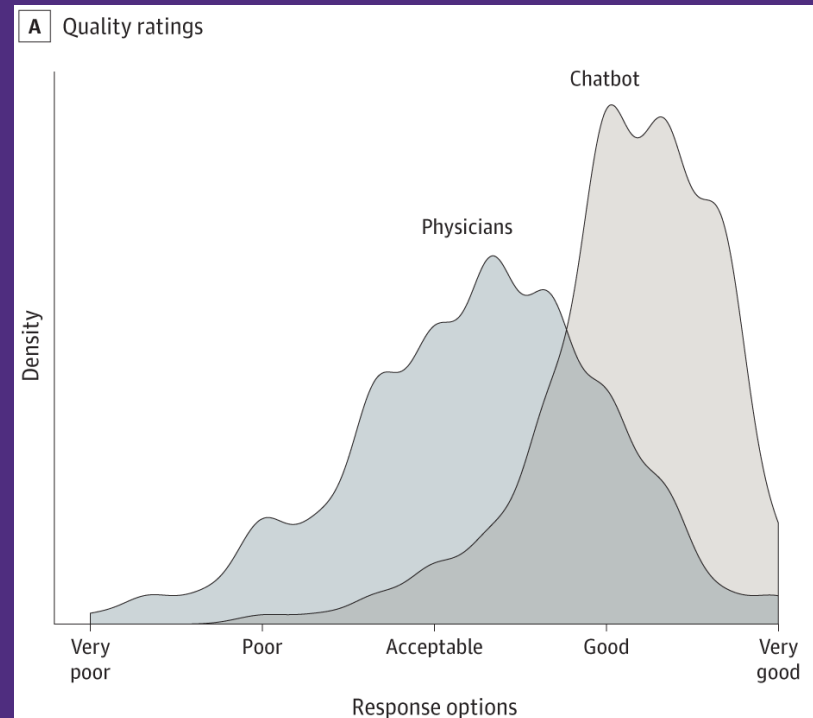
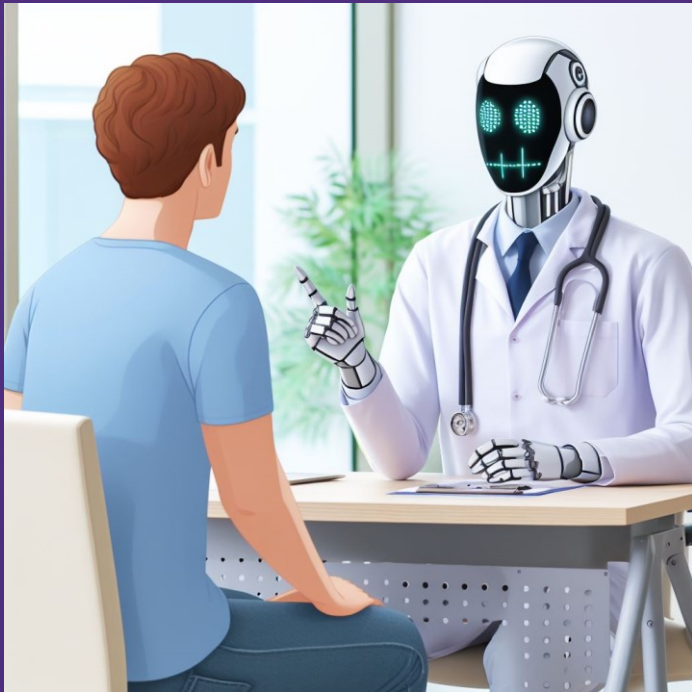


The flower has petals that are bright pinkish purple with white stigma,
#wow, 8k, extremely detailed, detailed, contest winner, beautiful, close up

ARTIFICIAL INTELLIGENCE

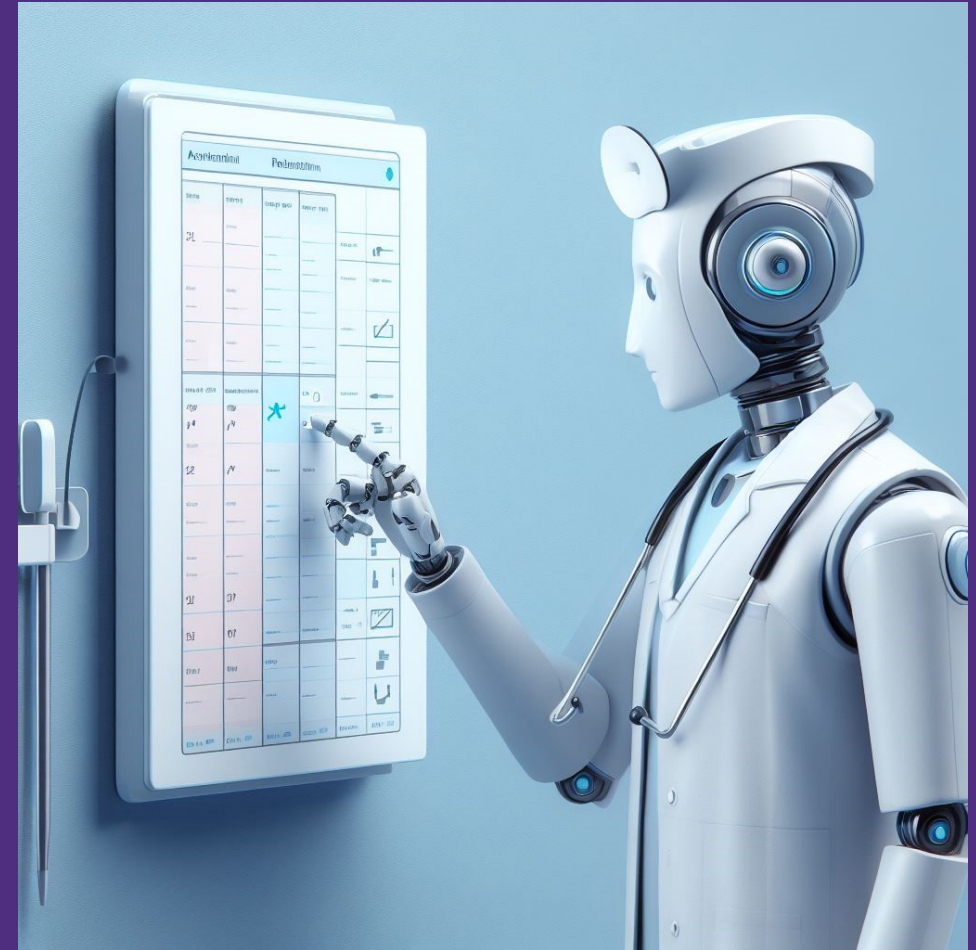


ARTIFICIAL INTELLIGENCE

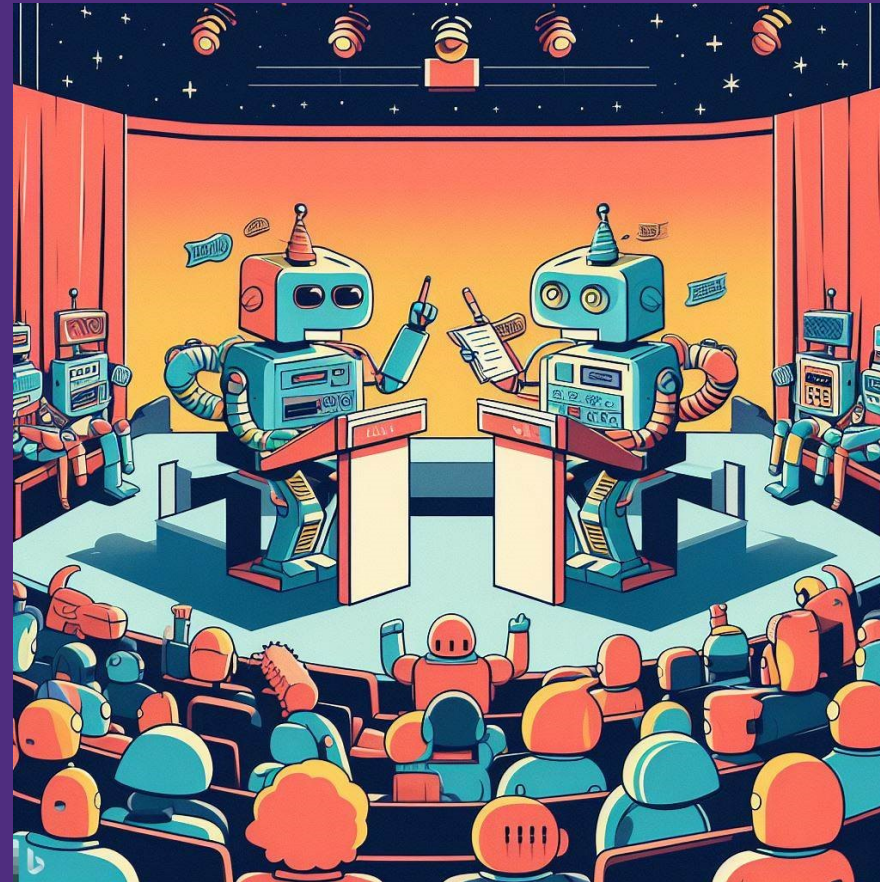


PROGRAM

1. **Dr. Charlotte Brouwer, UMCG**
Deep learning in radiotherapy
2. **Julian Suk MSc, UT**
AI for blood flow modeling
3. **Beerend Gerats MSc, UT & MeanderMC**
Enhancing vision in the OR
4. **Prof. dr. Erik Koffijberg, UT**
Evolution versus Evaluation: Technology Assessment of AI in healthcare
5. Panel discussion



PANEL DISCUSSION

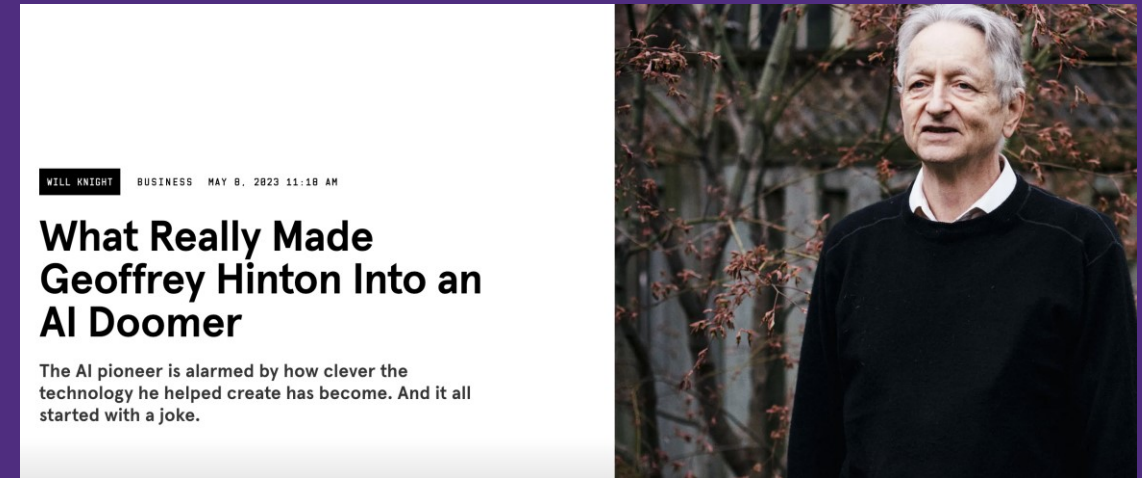


PANEL DISCUSSION



PANEL DISCUSSION

Will AI be the end of us?



PANEL DISCUSSION



Geoffrey Hinton

"I think that if you work as a radiologist, you are like Wile E. Coyote in the cartoon. You're already over the edge of the cliff, but you haven't yet looked down. There's no ground underneath. People should stop training radiologists now. It's just completely obvious that in five years deep learning is going to do better than radiologists."

Nov 24, 2016

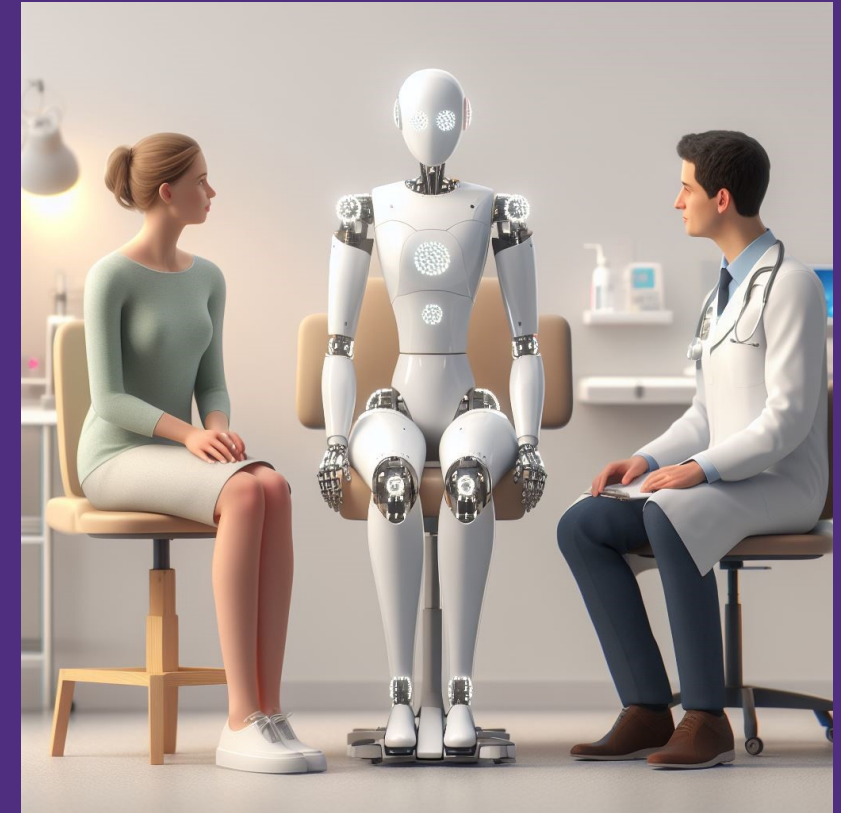
PANEL DISCUSSION

Will any healthcare professionals actually lose their job because of AI, and who is first?



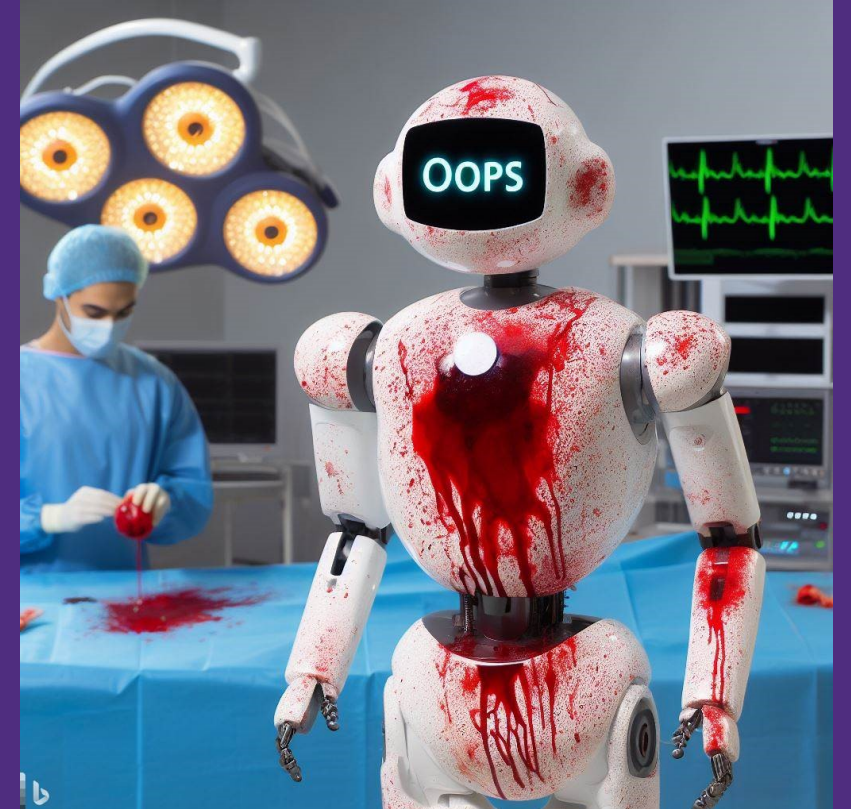
PANEL DISCUSSION

What role should **patients** play in the development and implementation of AI in healthcare?



PANEL DISCUSSION

Who is responsible for errors
that the AI model makes?





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[TIME SESSION] | [SESSION TITLE] | [SPEAKER]