

# PATIENT PERSPECTIVES AND ROBOT DOCTORS

PROBING PARTICIPATION WITH  
ARTIFICIAL INTELLIGENCE IN HEALTH CARE



Dr. Flora Lysen, Prof. Dr. Sally Wyatt,  
Pascale Paumen, Emilie Lake, Alexander Kloke

# Background



- Artificial Intelligence: technologies mimicking human cognitive functions
- AI has many different (potential) applications, e.g. treatment recommendations
- Patient perspectives not yet sufficiently considered in implementation of AI





# Types of Patient Empowerment

- Individualistic empowerment (focus on “choice”)
- Instrumental empowerment (helps innovation)
- Democratic empowerment (value of democracy for equality)
- Emancipatory empowerment (liberate people from oppressive structures)

Prainsack, B. (2018). Power asymmetries, participation, and the idea of personalised medicine. In S. Gibbon, B. Prainsack, S. Hilgartner, & J. Lamoreaux (Eds.), *Routledge Handbook of Genomics, Health and Society* (pp. 2012–2020). Routledge.



# Insights from the Literature

- Mostly used: Surveys & One-on-One Interviews
- Research motives are not always explicitly stated
- Instrumental incentive: ‘How can we make AI better?’

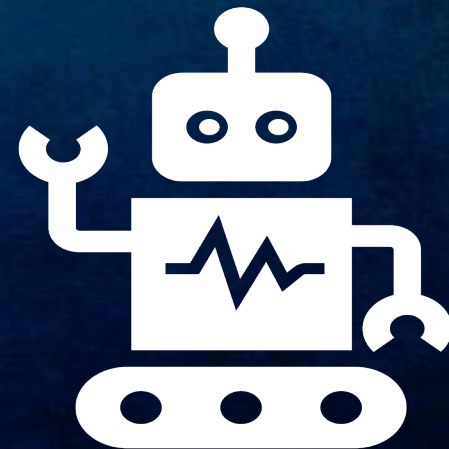




# Central question:



(How) can and should patients be informed about — and involved in — the implementation of Artificial Intelligence-supported technologies in healthcare?





# Developing a Focus Group to ...



... learn about patient conceptions of and attitudes towards AI in general

... learn about patient perspectives on AI in healthcare

... find out what patients want / need to know about AI in healthcare







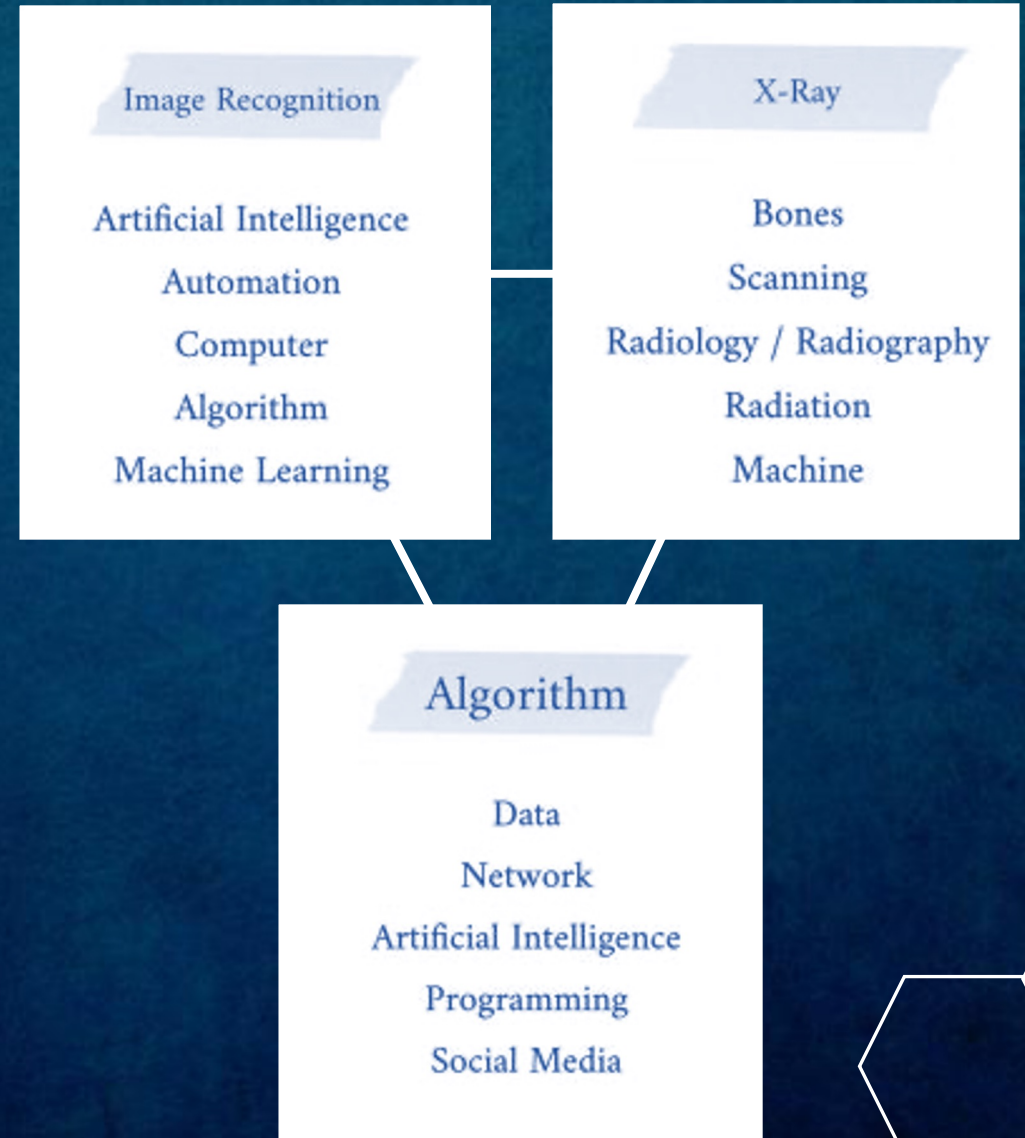
# Focus Group Proposal

Introduction round / discussion

Taboo game

Case study: decision-making AI

Collective mind-mapping





# Limitations and Ethical Considerations !!

Future-oriented approach

Patient perspectives may differ based on factors such as background

Ethical implications and questions of access when dealing with patients







# Future directions

Interviews with doctors:

- What do conversations between doctors and patients look like?
  - How do (hypothetical) AI fit into existing practices?

How can democratic and emancipatory patient empowerment be fostered?





**THANK YOU!**



Questions, feedback, suggestions?