

How Informed Can Patient Consent *Really* Be When the Clinical Analyst Is Artificially Intelligent?

Erik Campano, Robyn Schimmer, Patrik Björfot



Our starting question:

What are the conditions necessary
for a patient to give
INFORMED CONSENT
to an AI technology?

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What are the conditions necessary
for a patient to give
INFORMED CONSENT
(AUTONOMY, AGENCY)
to an AI technology?

Our starting question:

What are the conditions necessary

for a patient to give

INFORMED CONSENT

(RISKS, BENEFITS, ALTERNATIVE OPTIONS)

to an AI technology?

Our starting question:

MORAL INTUITIONS ABOUT MEDICAL AI:

Informed consent?

Agency?

Autonomy?

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MORAL INTUITIONS ABOUT MEDICAL AI:

Informed consent?

Agency?

Autonomy?

NUANCED UNDERSTANDING

What we discussed in our last seminar: Robyn's case of the smart insulin pump



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Even though it's smart, this pump might pose **risks**.

What we discussed in our last seminar:



Lisa loses **agency**
Pump “gains” **agency**

What we discussed in our last seminar: What is the definition of agency?

“the capacity of individuals to act independently and make their own choices” (Dignum)

“It seems to be peculiarly characteristic of humans, however, that they are able to form what I shall call ‘second-order desires’ ... They are capable of wanting to be different, in their preferences and purposes, from what they are.”
(Frankfurt)

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has agency?

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What we discussed in our last seminar: Are we rather talking about autonomy?

Autonomy?

Task autonomy: “the ability of a system to adjust its behavior, by forming new plans to fulfill a goal, or by choosing between goals”.



has autonomy?



has autonomy?

What we discussed in our last seminar: Patrik's levels of explainability

- 1. Input and Output**
- 2. Important Variable**
- 3. Alternative Outcomes**
- 4. Coherent Argumentation**



What we discussed in our last seminar: Patrik's levels of explainability

1. Input and Output



INFORMED CONSENT?
(RISKS, BENEFITS, ALTERNATIVE OPTIONS)

INTUITION: NO

What we discussed in our last seminar: Patrik's levels of explainability

2. Important variable



INFORMED CONSENT?
(RISKS, BENEFITS, ALTERNATIVE OPTIONS)

INTUITION: NO

What we discussed in our last seminar: Patrik's levels of explainability

3. Alternative Outcomes



INFORMED CONSENT?
(RISKS, BENEFITS, ALTERNATIVE OPTIONS)

INTUITION: YES

What we discussed in our last seminar: Patrik's levels of explainability

4. Coherent Argumentation



INFORMED CONSENT?
(RISKS, BENEFITS, ALTERNATIVE OPTIONS)

INTUITION: YES

Are our intuitions really about informed consent?

Are our intuitions really about informed consent?

Is our real concern with risk?



Are our intuitions really about informed consent?

Is our real concern with risk?



Are our intuitions really about informed consent?

Is our real concern with agency?

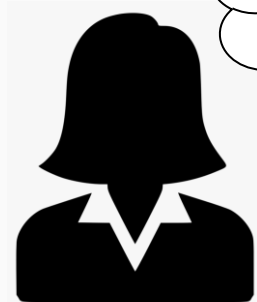


Genius



Are our intuitions really about informed consent?

Is our real concern with autonomy?



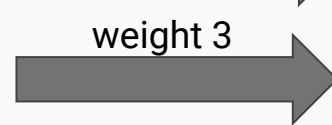
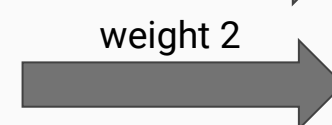
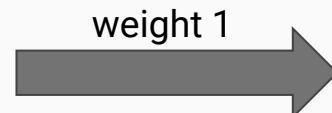
I want a sense
of control.



Or are our intuitions basically wrong?



No ethical problems here?



Fin.