



UMC Utrecht

# Ethiek & eHealth: een korte introductie

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 @albredenoord





M

210

E D I

155

S C H E

100

E T H I E K

50

# Grondhouding ten opzichte van wetenschap en technologie



# Dingen dwingen: technologie is niet neutraal

“Dingen dwingen: een stoel bepaalt hoe wij zitten, microben dwingen ons onze melk te koken, een veiligheidsgordel ontslaat ons van de verantwoordelijkheid zachtjes te rijden, een verkeersdrempel dwingt ons te remmen voor een oversteekplaats”

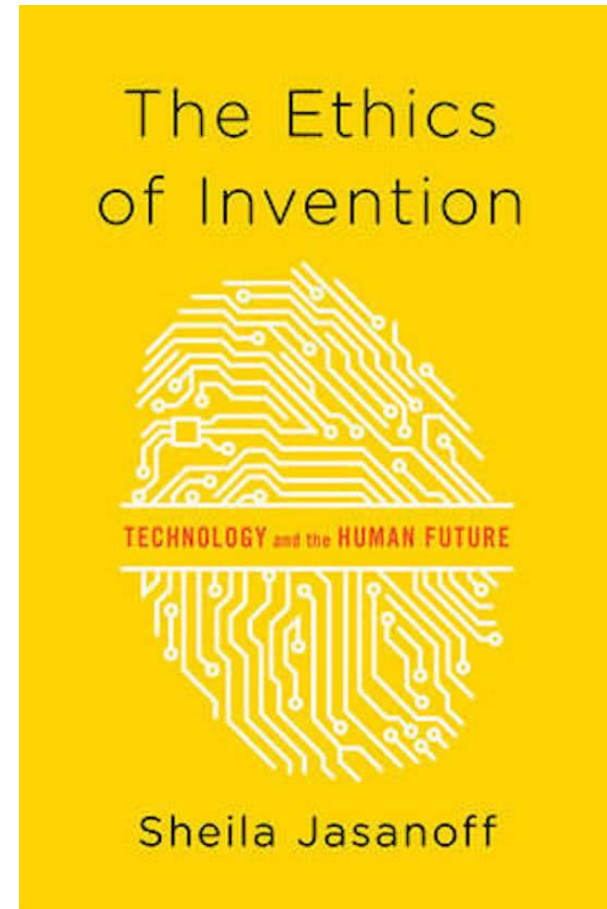
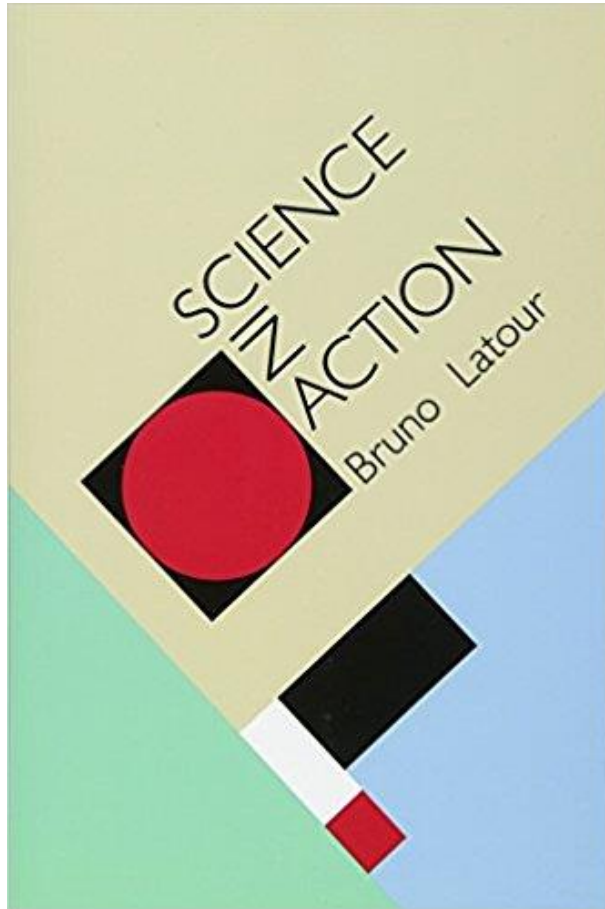




# Technologie en maatschappij: innig verweven



# Co-productie



# Wat is er nodig voor co-productie?





# Wetenschappelijke evaluatie: ethische noodzaak!

Spine

EDITORIAL

SPINE Volume 39, Number 26, pp 2115-2116  
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## Scientific Evaluation of Spinal Implants

*An Ethical Necessity*

Wouter A. Moojen, MD, MSc,\*† Annelien L. Bredenoord, MA, PhD,‡ Roderik F. Viergever, MD, PhD, MSc,§ and Wilco C. Peul, MD, PhD, MBA\*†

Medicine

Systematic Review and Meta-Analysis

OPEN

### Surgical innovation: the ethical agenda

#### A systematic review

Marika L. Broekman (MD, PhD, JD)<sup>a,\*</sup>, Michelle E. Carrière<sup>a</sup>, Annelien L. Bredenoord (PhD)<sup>b</sup>

#### Abstract

The aim of the present article was to systematically review the ethics of surgical innovation and introduce the components of the learning health care system to guide future research and debate on surgical innovation.

Although the call for evidence-based practice in surgery is increasingly high on the agenda, most surgeons feel that the format of the randomized controlled trial is not suitable for surgery. Innovation in surgery has aspects of, but should be distinguished from both research and clinical care and raises its own ethical challenges.

To answer the question "What are the main ethical aspects of surgical innovation?", we systematically searched PubMed and Embase. Papers expressing an opinion, point of view, or position were included, that is, normative ethical papers.

We included 59 studies discussing ethical aspects of surgical innovation. These studies discussed 4 major themes: oversight, informed consent, learning curve, and vulnerable patient groups. Although all papers addressed the ethical challenges raised by surgical innovation, surgeons hold no uniform view of surgical innovation, and there is no agreement on the distinction between innovation and research. Even though most agree to some sort of oversight, they offer different alternatives ranging from the formation of new surgical innovation committees to establishing national registries. Most agree that informed consent is necessary for innovative procedures and that surgeons should be adequately trained to assure their competence to tackle the learning curve problem. All papers agree that in case of vulnerable patients, alternatives must be found for the informed consent procedure.

We suggest that the concept of the learning health care system might provide guidance for thinking about surgical innovation. The underlying rationale of the learning health care system is to improve the quality of health care by embedding research within clinical care. Two aspects of a learning health care system might particularly enrich the necessary future discussion on surgical innovation: integration of research and practice and a moral emphasis on "learning activities." Future research should evaluate whether the learning health care system and its adjacent moral framework provides ethical guidance for evidence-based surgery.



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IN NEED OF GUIDANCE FOR RELEVANT EVIDENCE



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—*New York Times Book Review*

Eric Topol

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WITH A NEW EPILOGUE

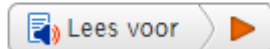


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## **Gewijzigde motie-Bredenoord (D66) c.s. over de verdere uitwerking van dataprotectie-by-design als het uitgangspunt voor de elektronische verwerking van medische gegevens (EK 33.509, R)**



In deze motie wordt de regering verzocht dataprotectie-by-design verder uit te werken als het uitgangspunt voor de elektronische verwerking van medische gegevens en de Kamer daarover te informeren.

- ▶ volledige tekst 
- ▶ oorspronkelijke motie

**ingediend**

4 oktober 2016







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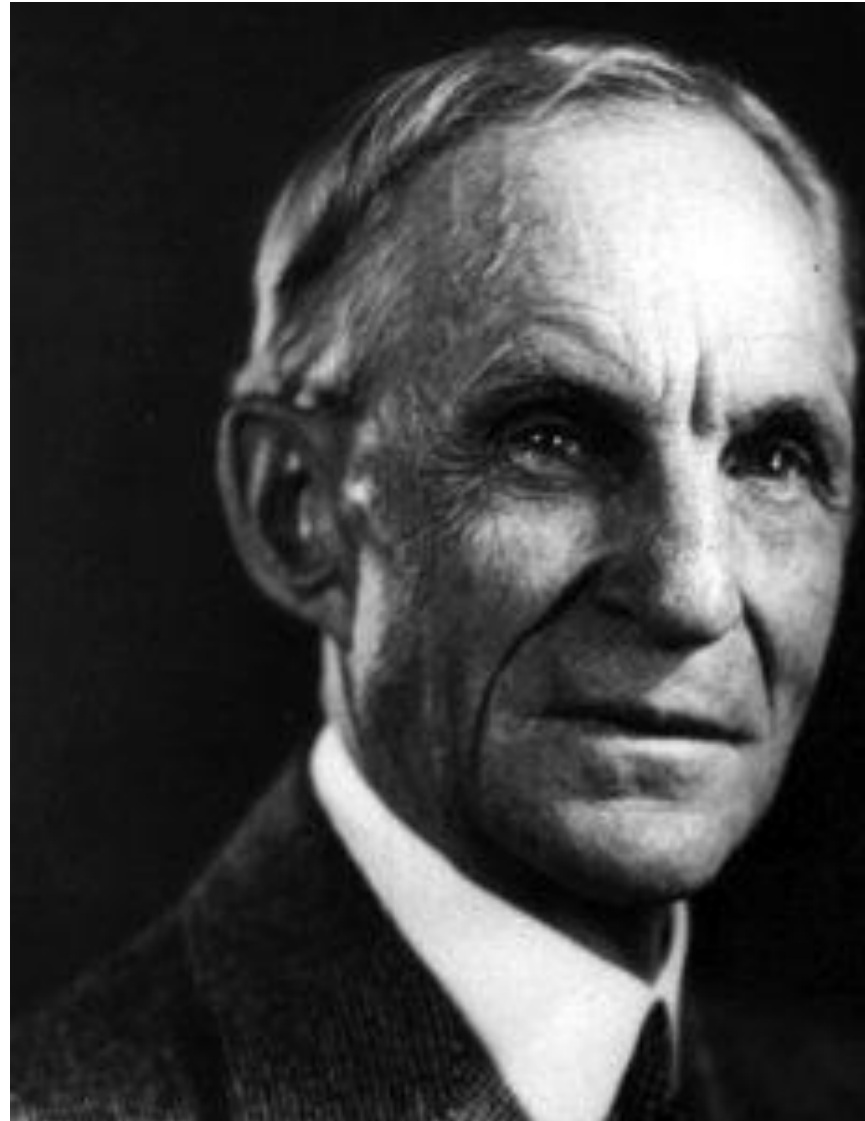
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“If I had asked people  
what they wanted,  
they would have said  
faster horses.”

—Henry Ford

# “Medevormgevers”



Ik wens iedereen een inspirerende dag!



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