

Karlsruher Institut für Technologie

Ethics In Health Technology Assessment – A Case Study Of Prosthetic Care And Proposal For An Empirical Approach Martina Baumann,

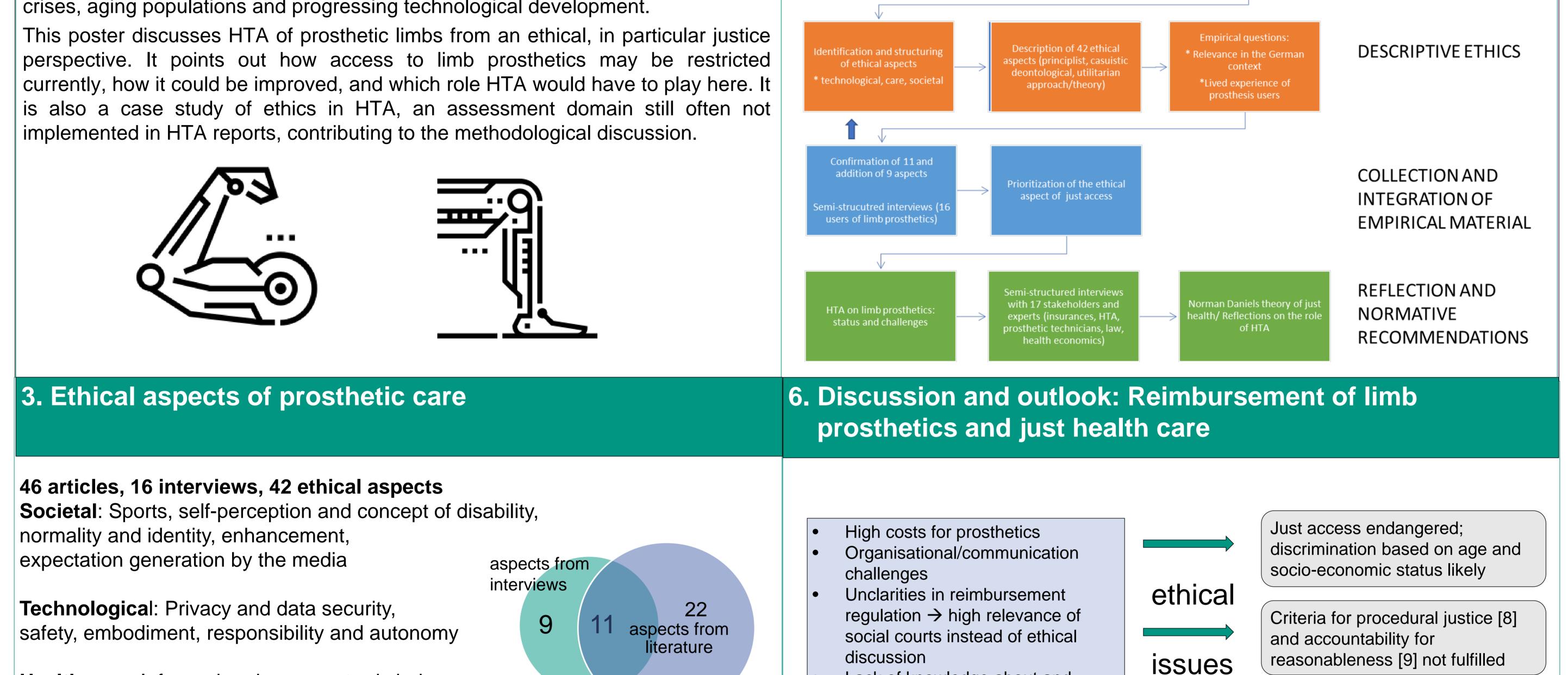
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| 1. Introduction | 2. Method overview |
|---|--------------------|
| Medical technologies for smaller groups of patients and with incremen | tal |

Socratic method (questions

from Hofmann's catalogue)

innovation potential, such as limb prosthetics, pose particular methodological challenges for HTA [1,2]. At the same time, HTA of medical technologies is increasingly important to spend scarce resources efficiently in times of multiple crises, aging populations and progressing technological development.



Health care: Informed and user-centred choice, user-centred development

4. Interviews with prosthetic users and health care stakeholders and experts in Germany on reimbursement

Evidence/HTA

- Concept HTA not wellknown/used in practice
- Communication
- Between stakeholders often
- lacking
- Regulation/law
- Social code book [3] has high relevance for reimbursement; efficiency and usability criteria ill-defined

5. HTA of limb prosthetics

Existing reports

- 8 reports worldwide (none in Germany)
- Challenges \rightarrow solutions Practical: Recruitment of participants and expertise \rightarrow use of evidence from practice

access

Information

Reimbursement

Negative experiences: lack

insurances, need has to be

"prooved" by amputees; fear

of the future; law suits to get

options not easily accessible

of understanding of

About prosthetic care

- Lack of knowledge about and practical implementation of HTA
- Lack of information for patients

Incomplete fulfillment of rights of persons with disabilities (UNCRD)

LITERATURE SEARCH

7. Discussion and outlook: Role and method of HTA

PIE search terms: amputation

AND prosthetic limb AND

ethical aspect

46 articles from ethics and

social sciences

The example of prosthetic care shows the need for collaboration between HTA, other disciplines (TA, public health, health service research), patients and policy makers in order to address ethical issues. The most pressing issue identified for prosthetic care in Germany is access to suitable limb prosthetics. HTA may contribute to informing patients and professionals about prosthetic technology from different producers, foster a public debate on rationing in health care, and controlling costs/prices for prosthetic technology. To this end, methodological innovations, infrastructure and training for registries and evidence based practice, as well as raising awareness for the benefits of HTA may be needed.

This case study also showed that a mixed method combining literature and interview studies is suitable to identify and describe a wider range of ethical aspects than a question and literature based (Socratic) approach alone. Overall, the message of this work is that qualitative empirical methods in HTA could help to improve impact of HTA through an investigation of structural, legal, practical, ethical and methodological challenges for a realization of its potential benefits in different technological fields and health system environments.

References

General: Martina Baumann (2024). HEALTH TECHNOLOGY ASSESSMENT UND ETHISCHE ASPEKTE DER PROTHESENVERSORGUNG.



- often restricted recommendations due to low quality of studies (real-life situations, diversity of participants, long-term and societal perspectives)
- Iow variety of compared technologies

Potential benefits

- For health care systems/society: limiting prices/costs
- > For developers/producers: competitive advantage
- Users/patients: improve access, enhance "real-world"-benefit
- Regulatory: no relevance of HTA for
- reimbursement and approval
- Methodological: complexity and incremental innovation \rightarrow evidence-based practice [4], research registries [5] and outcome research [6]

Ethical questions

- Not reported/discussed in existing HTAs
- Identified based on Hofmann's catalogue [7]
- System level: distribution of budgets
- Group level: representation in studies
- Individual level: user preferences mirrored in

outcomes

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