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Development and usability testing of a patient decision aid for patients with inflammatory bowel disease using a discrete choice experiment as value clarification exercise

Elise Schoefs¹*, Martina Vandebroek², João Sabino^{3,4}, Bram Verstockt^{3,4}, Marc Ferrante^{3,4}, Lynn Debrun³, Tessy Lambrechts³, Lauren Michiels¹, Sofie Lenaerts¹, Anouck Van Aerschot¹, Chantal Van Audenhove⁵, Noortje Straetemans^{6,7}, Séverine Vermeire^{3,4}, Isabelle Huys¹

BACKGROUND & OBJECTIVE



Shared decision making (SDM) be supported with **patient** can decision aids (PtDAs). However, no PtDA is available in Belgium for inflammatory bowel disease (IBD).

METHODS

A multi-phase study was conducted to develop and test I(BD) SELECT using approaches recommended by the International Patient Decision Aid Standards Collaboration.

Scope and content determination using semistructured interviews with

Prototype PtDA

Iterative alpha testing of the prototype PtDA with IBD



8.42

8.47

User-friendliness	
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Lay-out

8.65

8.24

8.60

Average scoring on the system usability scale (SUS) on a scale from 1 to 100

	Mean score	Mean score	Mean score IBD	Mean score all
	patients	gastroenterologists	nurses	stakeholders
SUS	79.12	77.20	80.00	78.77

8.13

8.50

Qualitative feedback alpha testing PtDA

Positive points Points to improve Correct and complete information Scientific terminology Empowers patients • Lot of text

- Clarifying animations and videos
- Structured content
- Intuitive to complete
- Personalized report

- No option to compare treatments directly
- Too many discrete choice experiment (DCE) questions
- Feedback iteratively implemented to optimize the PtDA until no meaningful comments received in subsequent interviews.
- All participants were open to use and test the PtDA in clinical practice.

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Explanation and inclusion of **15 discrete choice** experiment (DCE) questions as value clarification exercise.

Conversion of answers DCE questions to personalized report

Personalized report including the background information of the patient, questions, and results of the DCE questions.



CONTACT INFORMATION

Contact: <u>elise.schoefs@kuleuven.be</u>

Author affiliations – 1. Department of Pharmaceutical and Pharmacological Sciences, KU Leuven, Leuven, Belgium, 2. Faculty of Economics and Business, KU Leuven, Leuven, Belgium, 3. Department of Gastroenterology and Hepatology, University Hospitals Leuven, KU Leuven, Leuven, Belgium, 4. Department of Chronic Diseases and Metabolism, KU Leuven, Leuven, Belgium, 5. Department of Public Health and Primary Care, KU Leuven, Leuven, Belgium, 6. Department of Gastroenterology, az Vesalius, Tongeren, Belgium, 7. Belgian IBD Nurses and Study Coordinators Association (BINAStoria), Brussels, Belgium.

CONCLUSION

> I(BD) SELECT received positive feedback from stakeholders, with all stakeholders indicating wanted to use the tool, highlighting its potential to facilitate SDM and empower IBD patients to be active participants in the decision-making process.

Future refinement through beta testing will optimize usability and effectiveness before broader implementation.

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