Exploring the Potential of Extended Reality in Patient Education

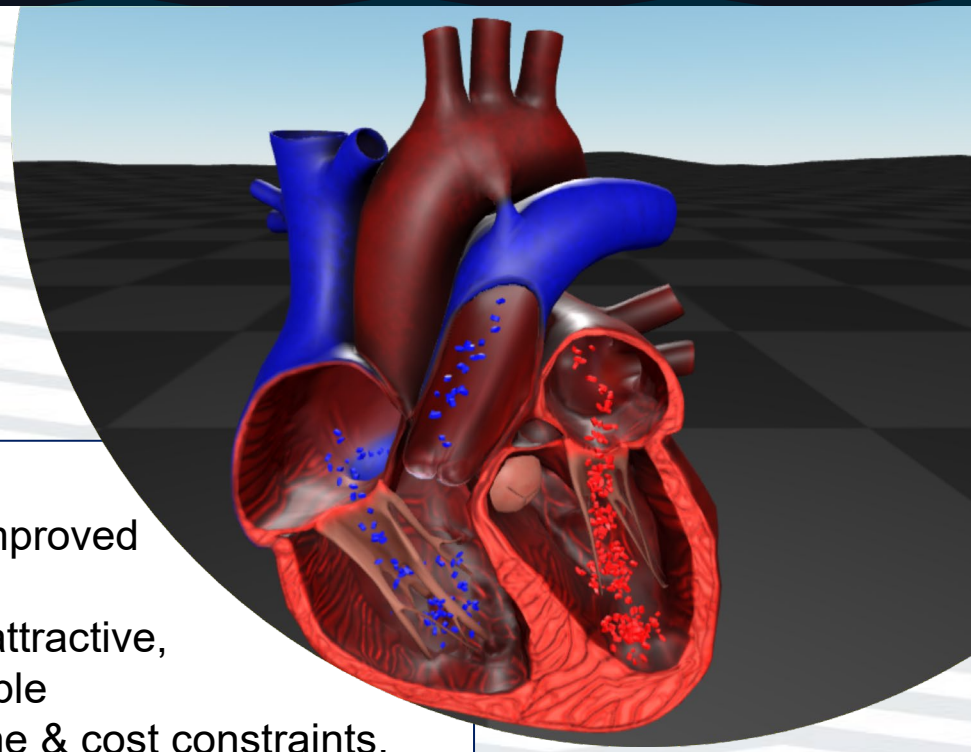
Results of the XheaRt study

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PURPOSE

- Chronic heart failure education is important for self-care
- Barriers
  - Limited consultation time
  - Language or cognitive challenges
  - Increased care complexity

How can we educate better, not longer?



METHODS

1. Inventory current educational practice and needs: qualitative content analysis
2. Assessment of attitudes and expectations towards XR and prototype testing: user research with patients and nurses
3. Usability and acceptability of 3 proofs of concept of which 2 XR-applications
   - Screen based – VR – AR

RESULTS

- Patient knowledge improved after XR-education
- XR is perceived as: attractive, understandable, usable
- Discussed topics: time & cost constraints, terminology, data security and outcome expectations

CONCLUSIONS

XR-technology is a promising tool for Heart Failure and other chronic diseases education. To maximize its impact, structural support for health care professionals and the development of accessible educational materials are essential

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