

Introducing online narrated video animations to facilitate patients' understanding of cardiac procedures in a high-volume tertiary centre

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Declaration of interest

- I have nothing to declare

Introduction

- Patient-clinician discussions about cardiac procedures, their benefits, risks, and alternatives are key to shared decision-making.
- However, patients recall only a fraction of the information given during a medical encounter, leading to an incomplete understanding.
- Thus, video animations were designed to consolidate patients' understanding.

Introduction

Aim: assess patient feedback, having introduced a cardiac video animation tool into our high-volume tertiary cardiac centre.

Methods

Video animation tool

- In April 2022, LHCH purchased unlimited patient access to 31 video animations in 3 languages.
- We created web links and QR codes for each video animation and shared them with patients.

Data collection

- Patients rated 'helpfulness' of video animations on a 3-point Likert scale.
- We recorded this on electronic patient records during nurse-led pre-assessment clinics.

Methods

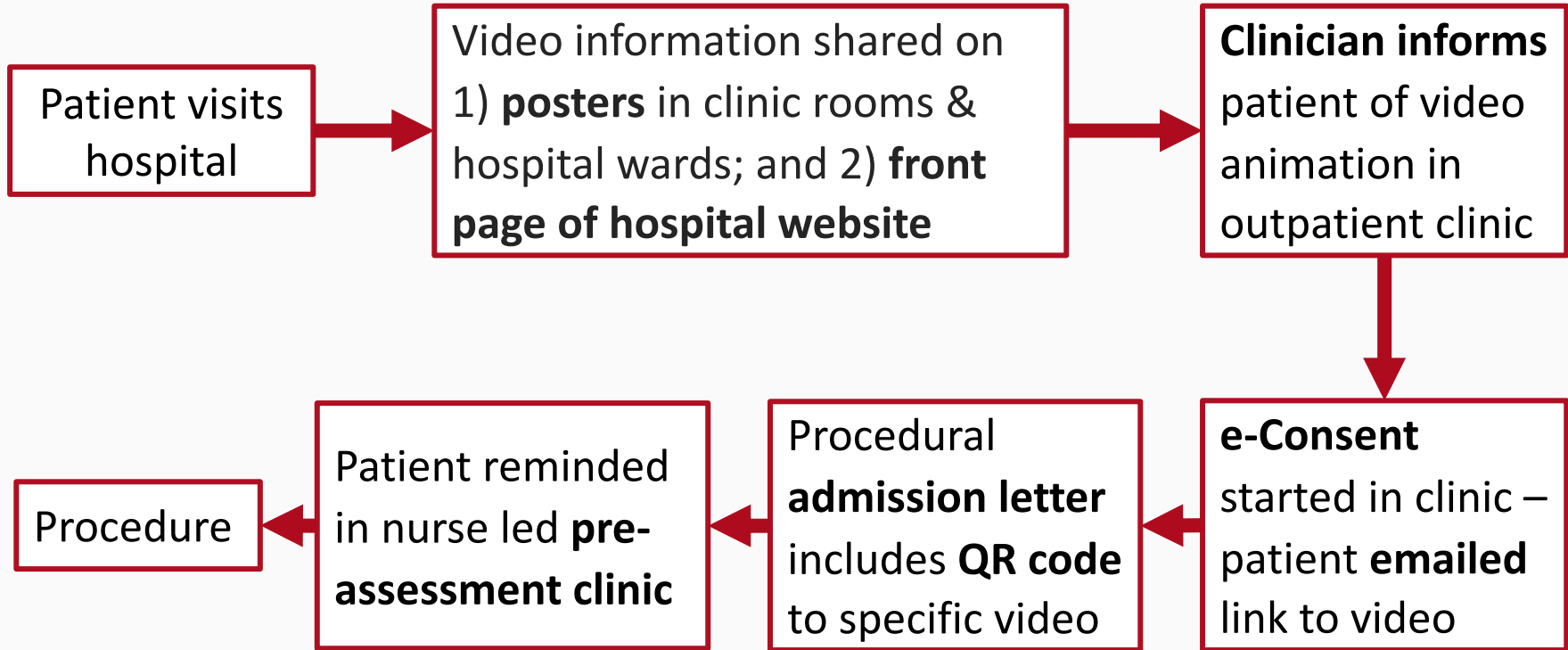
Study sample

- From **July 2022 to December 2023**, 1,878 patients attended our nurse-led pre-assessment clinic.
- We reviewed feedback from **342 patients** on our electronic patient records.

Ethics

- Study was approved by our local Research & Innovation Committee Director as a service evaluation.

Adapted patient pathway

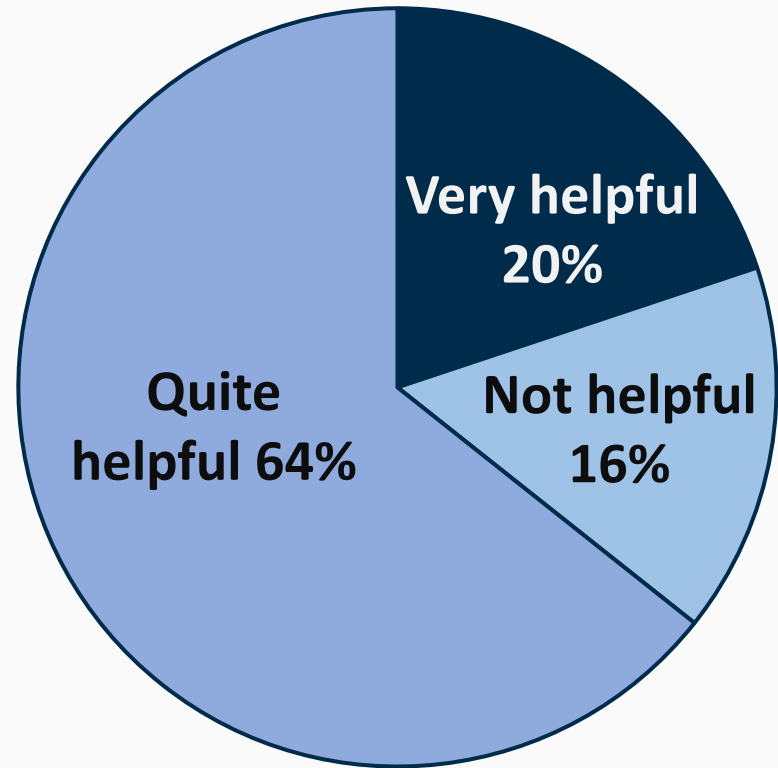


Results

- From April 22 – Jan 24, **20,607 animation views** have occurred, with **90%** watched to completion
- Most popular animations were:
 - Angiogram/Angioplasty (4,135 views)
 - AF ablation (1,415 views)
 - TAVI (1,243 views)

Results

Patient feedback regarding
“helpfulness” of video
animations



Results

Anecdotal reasons for not finding video animation helpful:

- “feeling already adequately informed”
- “inability to access the technology”
- “not wanting to know”

Limitations

Proportion of patients providing responses to the questions was small (18%), because:

- Capturing feedback was not mandatory
- Some patients were not aware of the video animations

Conclusion

- In our high-volume tertiary centre, most patients found video animations useful in improving their understanding prior to giving consent for their procedure.
- We encourage the use of video animations to improve the consent pathway in other hospitals.