

INNOVATION ROUNDS:

[Virtual Bone Health Program for Fragility Fracture]

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This is the design problem.

refine a virtual post first-fragility fracture bone health program.

- Suitable for scale up
- DRF
- Osteoporotic Vertebral Fractures
- Easier to modify as guidelines and research evolves



Project Objectives

Objective 1

Create an online, interactive education tool for people after a DRF

Objective 2

Create an online, interactive education tool for people after a spinal vertebral fracture



Multidisciplinary Approach

HULC clinicians and patients,
CANSpine PPAG, community
clinicians, researchers



Design Solution



1. Guidance for team on approaches, mounting and efficiency in production; Recommendations regarding the optimal formats for presentation, software platforms etc.
2. Review of program scripts for improvements and clarity
3. Assistance with creation of videos with the development team who is responsible for the content.
4. Video-Editing and creating alternative versions for different languages, cultures etc.; And for different platforms (as feasible)
5. Planning and supporting embedded learning, reinforcement and usage monitoring strategies.
6. Planning and supporting the useability analysis.
7. Advice and guidance on the development of a creative license statement or letter

Design Solution

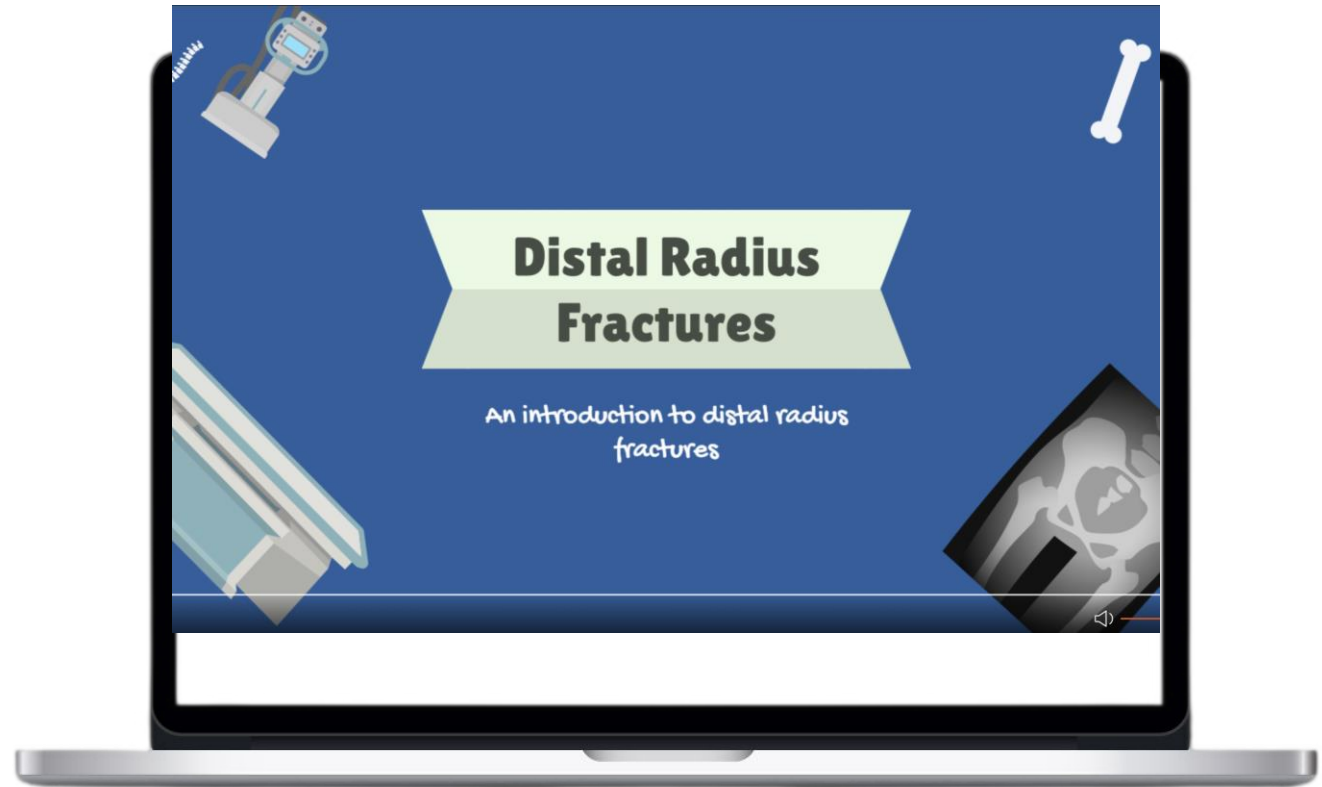


1. Animation and real-life video will be required to present the material optimally.
2. should be able to work on different devices.
3. should consider that patients may have English as a second language or low literacy.
4. should recognize that often patients may have poor vision and limited technical skills.
5. should include principles of adult learning, engagement strategies and teaching back to ensure that content is used and applied.
6. Should be able to embed strategies to monitor use and quality improvement.
7. Should be adaptive to different level of severity and physical abilities and educational literacy

Project Status

Stage of Progress: Ongoing

- Developing the videos (13/15)
- Receive patient partner feedback on usability
- Conduct further research on vertebral fracture management



Challenges



Implementation Challenges

- Further research required.
- Dietitian
 - Vertebral fracture management



Patient Engagement Challenges

No challenges to date.



Technical Challenges

Integrating with Lawson.



Any questions?

**Does this spark any ideas on how you might
use MSK-IF?**

THANK YOU!

How can I seek support from MSK-IF to develop my idea further?

Reach out to mskif@uwo.ca if you have an idea you would like to develop further!

Please feel welcome to reach out to Tina if there is anything you would like to further discuss!