patient@home



Tele-health,
as a way to improve the orthopaedic pathway
- promoting patient-empowerment

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Inter-scientific; Cross-sectoral; Multi-disciplinary

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Co-supervisor:

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Co-supervisor:

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Aim

To develop, test and evaluate together with the patients whether a tele-health solution can provide them with better security and support for self-care in treatment of a hip fracture with short length of stay in hospital











Background

- Most common cause (Parker M, Johansen A. 2006) (Palm H. 2008)
- Great cost (DrHoftebrud. National Annual Repport 2016)
- Future healthcare system
- Accelerated pathways with short LOS in hospital



- Osteoporosis is the largest predictor of fracture (Lips P. 1997)
- Telderly population (1,5 mio > 65 yrs in 2040) (www.danmarksstatistik.dk)











Participatory Design –

involving users and designers in the research and innovation process

 Identification of needs Reflect Phase 1 Reflect Plan Design & development Observe Phase 2 Plan Test in a clinical setting Phase 3 Observe Reflect Clemensen, J., Rothmann, M. J., Smith, A. C., Caffery, L. J., & Danbjorg, D. B. (2016). Participatory design methods in telemedicine research. J



Telemed Telecare



Innovation Fund Denmark

Severety

- ~ 10.000 individuals per year in Denmark
- ~ 20 % die within year 1

Inclusion criteria

- Q > 60 years; Q > 65 years
- Fracture caused by fall from same level -> indicating osteoporosis
- Patients discharged to own homes
- Treated at OUH













Findings from phase 1

- Hospitalized for ~ 5 days
- Oral and written information
- Patients had no re-collection of information given during admission
- Patients had limited knowledge of osteoporosis and the associated risk with fragile fracture
- Patients felt treated as "a hip fracture" not as individuals
- Patients have a strong desire to be in charge of their own lives and to remain autonomous
- Patients did not feel empowered in a pathway with short LOS













"If only had I known": a qualitative study investigating a treatment of patients with a hip

Charlotte M. Jensen, Anthony C Smith, Soren Overgaard, Uffe Kock Will lane Clemensen

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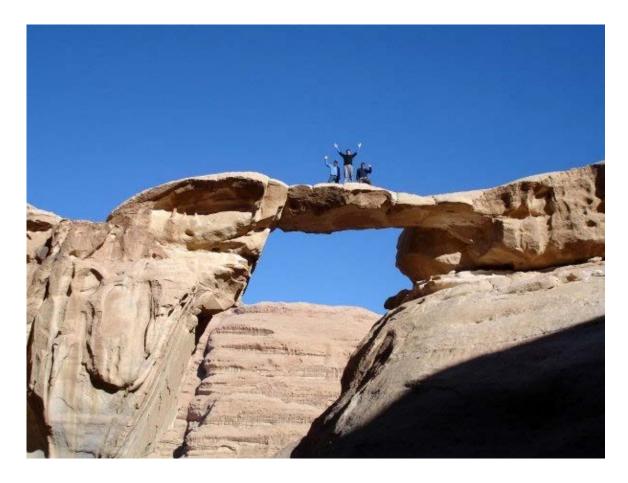
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and Well-being



'Bridging the gap'















Phase 2: Design and development











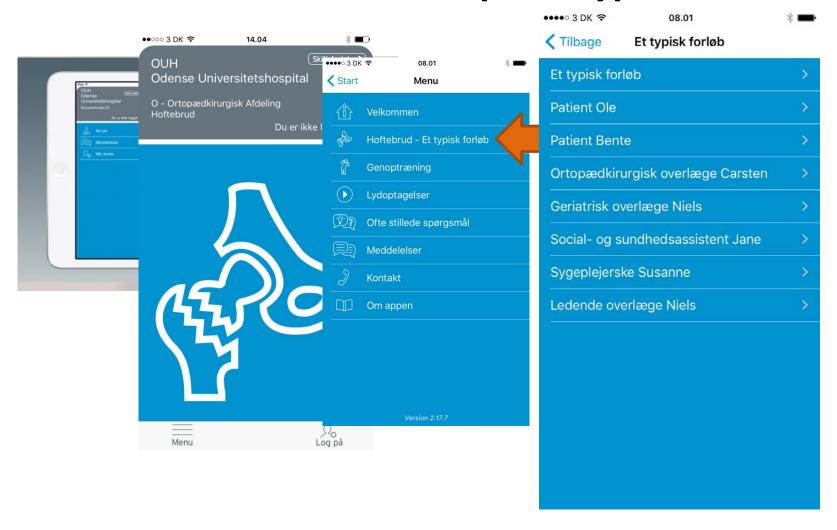








Presentation of prototype



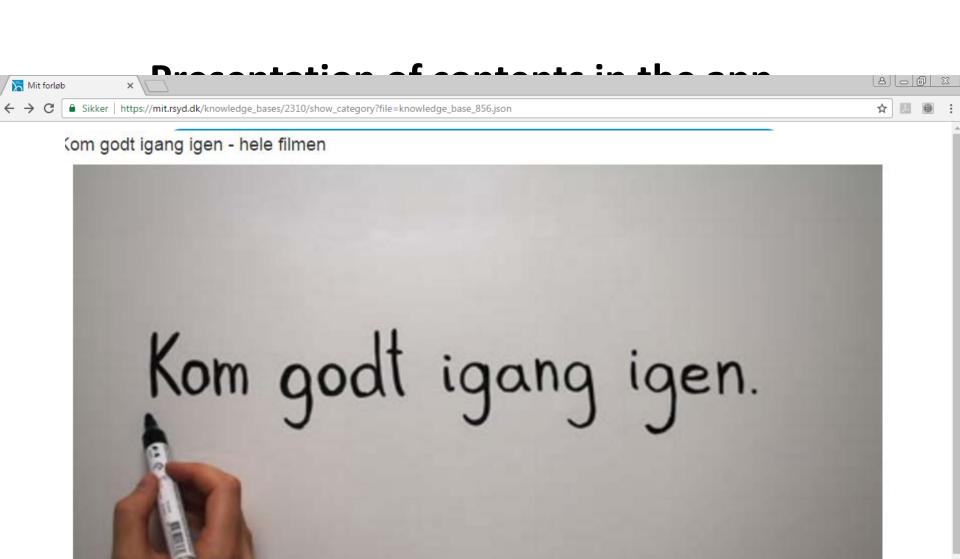


















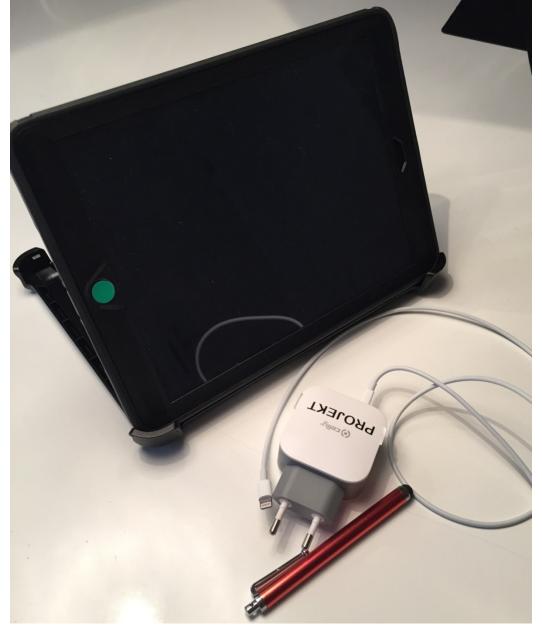


















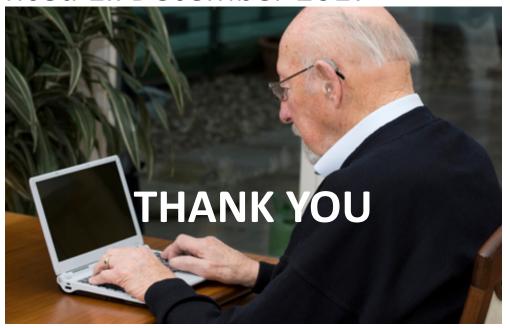






Phase 3: Test in clinical setting

Commenced 1st December 2017



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