

Syngo Virtual Cockpit:

Move knowledge, not staff!

A user testimonial!

25-10-2022

Prof. dr. Annemiek Snoeckx, Chair

Michel Geldof, Kathleen Baeten, Ryan Goddaert, MR team...

Dimitri Roose, B-Resonant

Jurgen Santy/Veerle Demeyer, Siemens Healthineers

Filip Deferme, Nursing manager



UZ





Welcome@MRI user meeting
Who am I?



- 
- Nursing training 1987
 - Background in Radiology
 - Angiography & Intervential radiology
 - Magnetic resonance
 - Nursing manager since 2000



Department of MRI

Antwerp University Hospital

SIEMENS
Healthineers



MAGNETOM Vida

A BioMatrix System

Who we are?



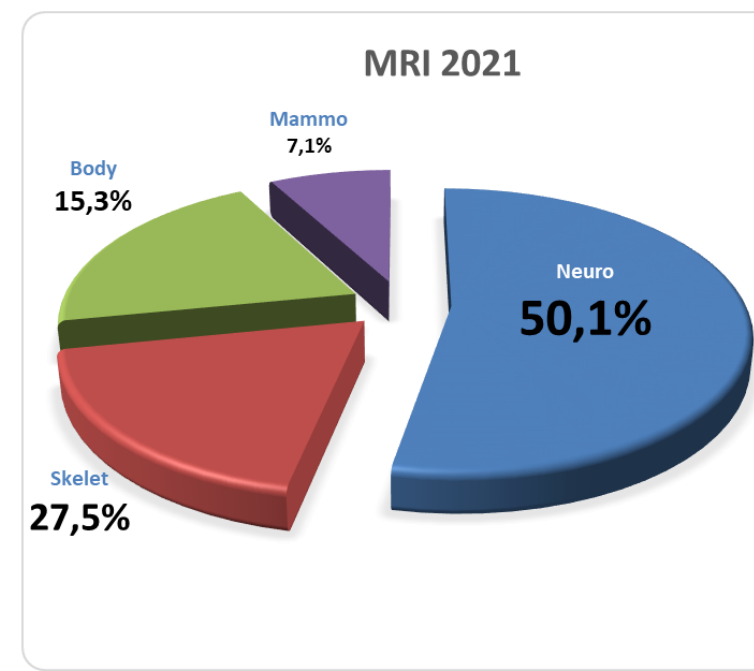
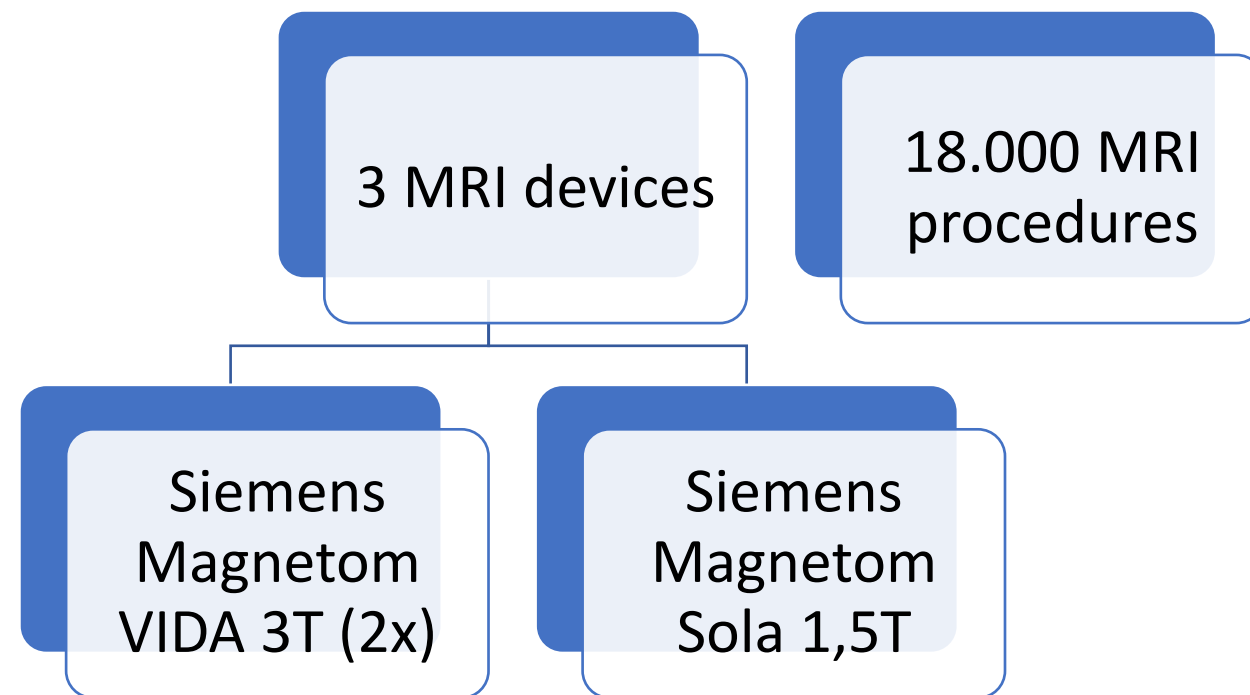


What we do?



Department of MRI

Presentation





Young and dynamic team

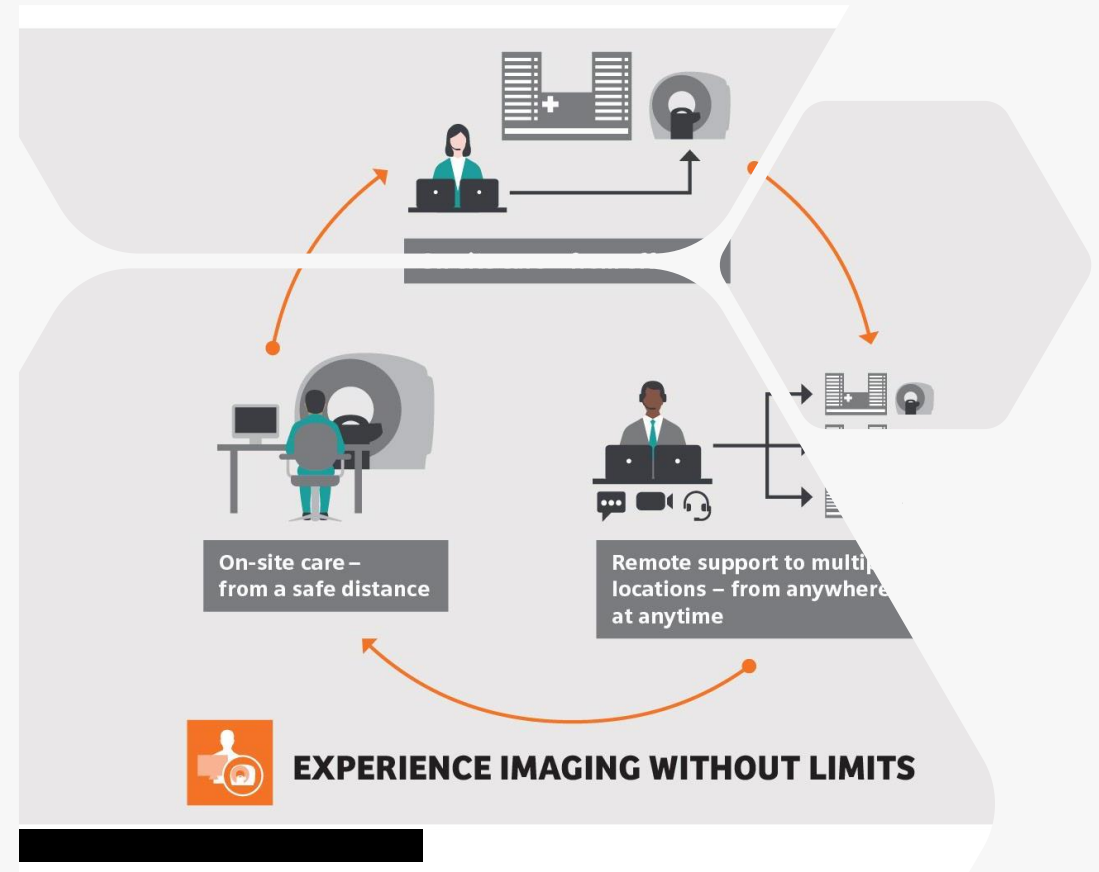
- 11,5 FTE (1/4 Tech/nurses)
- Fixed workplace on MRI

Schedule

Monday till Thursday → 07u00 - 22u00

Friday → 07u00 - 19u00

MRI virtual cockpit *Partnership*



- Siemens Healthineers
- B-Resonant
- Antwerp University Hospital
 - UZA Management
 - IT department
 - MRI department



SIEMENS
Healthineers

B-RESONANT

UZA'



MRI virtual cockpit

What it actually is?





Objectives - Virtual Cockpit

Shortage of dedicated nurses & radiographers

Objectives - Virtual Cockpit

Continuity: operational reliability of the MR devices

Objectives - Virtual Cockpit

Competence management according to job profile

| Algemene zorgen | | Gespecialiseerde zorgen | | Advanced practice nursing | |
|-----------------|------------------|----------------------------------|--------------------------|---------------------------|-------------------------------------|
| Zorgassistent | Verpleegkundige* | Gespecialiseerde verpleegkundige | Verpleegkundig consulent | Verpleegkundig specialist | Klinisch verpleegkundig onderzoeker |

Objectives - Virtual Cockpit

Job market profiling - Home office



Implementation
Action Plan?

MRI-1



MRI-2



MRI-3

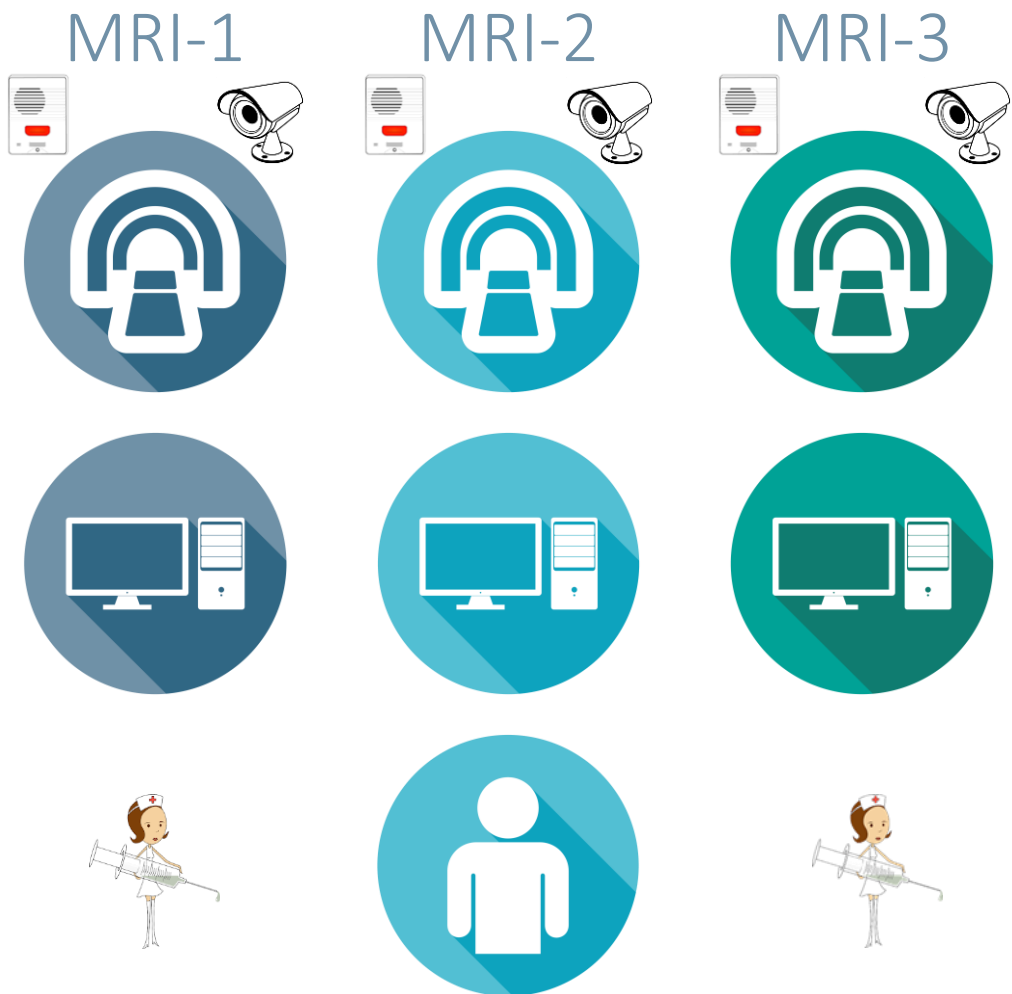


Current set-up



- IV access
- Patient care

Virtual Cockpit



- IV access
- Patient care



Different Fases

Fase 1: MRI
Virtual Cockpit

Securing
continuity &
growth

Fase 2: MRI
Virtual Cockpit

Competency
management

Fase 3: MRI
Virtual Cockpit

Home office
support

Securing continuity and growth

Fase 1: MRI Virtual Cockpit

Securing
continuity &
growth

Initial Plan June 2022

Hardware installation in a seperate room at the MR department

Introduction and training with the system

Workflow optimisation

Competency management

Reallocation of staff according to profile, competence and expertise

Fase 2: MRI
Virtual Cockpit

Competency
management



Nurse/Technician: Pilot (Steering client): operates centrally and can control several devices simultaneously



Nurse/Technician: Needle client: Inserts the IV infusions for the 3 MRI devices



Caretaker: Patient manager (Modality client): available for all devices

Home office support


Fase 3: MRI
Virtual Cockpit

Home office
Support

Home call system support

Routine home office

Diversification and increased attractiveness (competitiveness)

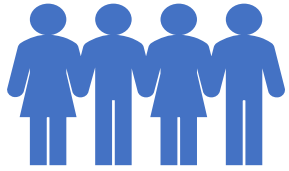


Action Plan

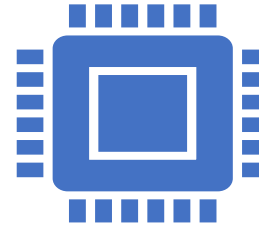
*How, what and
with whom?*



Action Plan



Consultation structure and involvement of the MR staff = **TEAM effort**



Virtual cockpit taskforce assigned for

Location of the hardware

- Location cameras and intercom in the scanning room
- Location of the 2 Virtual Cockpit stations

Feasibility criteria & timing according to project plan for workflow & training

Drawing board session for current workflow - future workflow
= change management

- Patient management (waiting room management, screening form, IV infusion, patient care en installation exam table)
- Scan console management (early shift, day shift, late shift, number of devices with VC, schedule...)

Information & Training related to change management

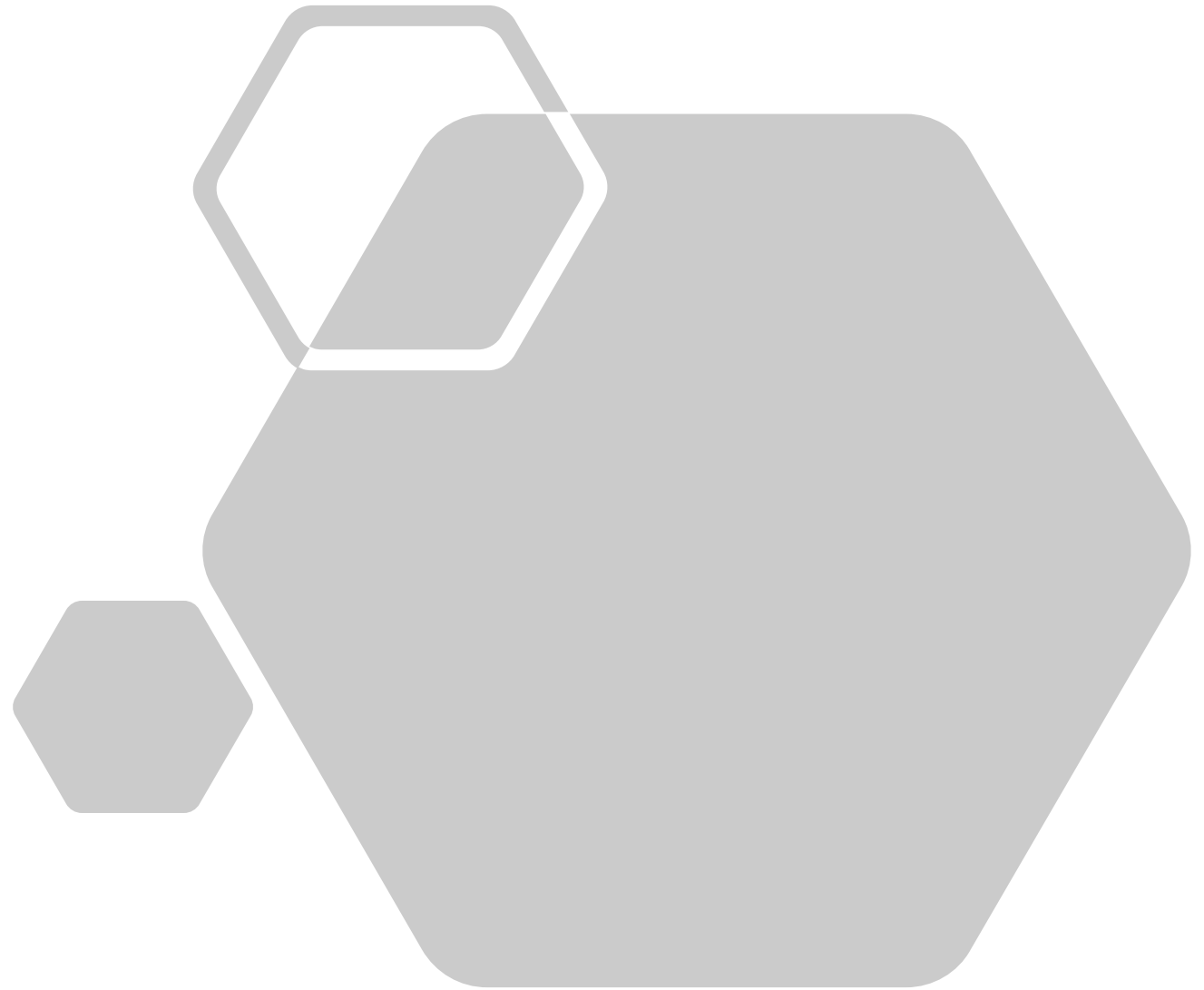
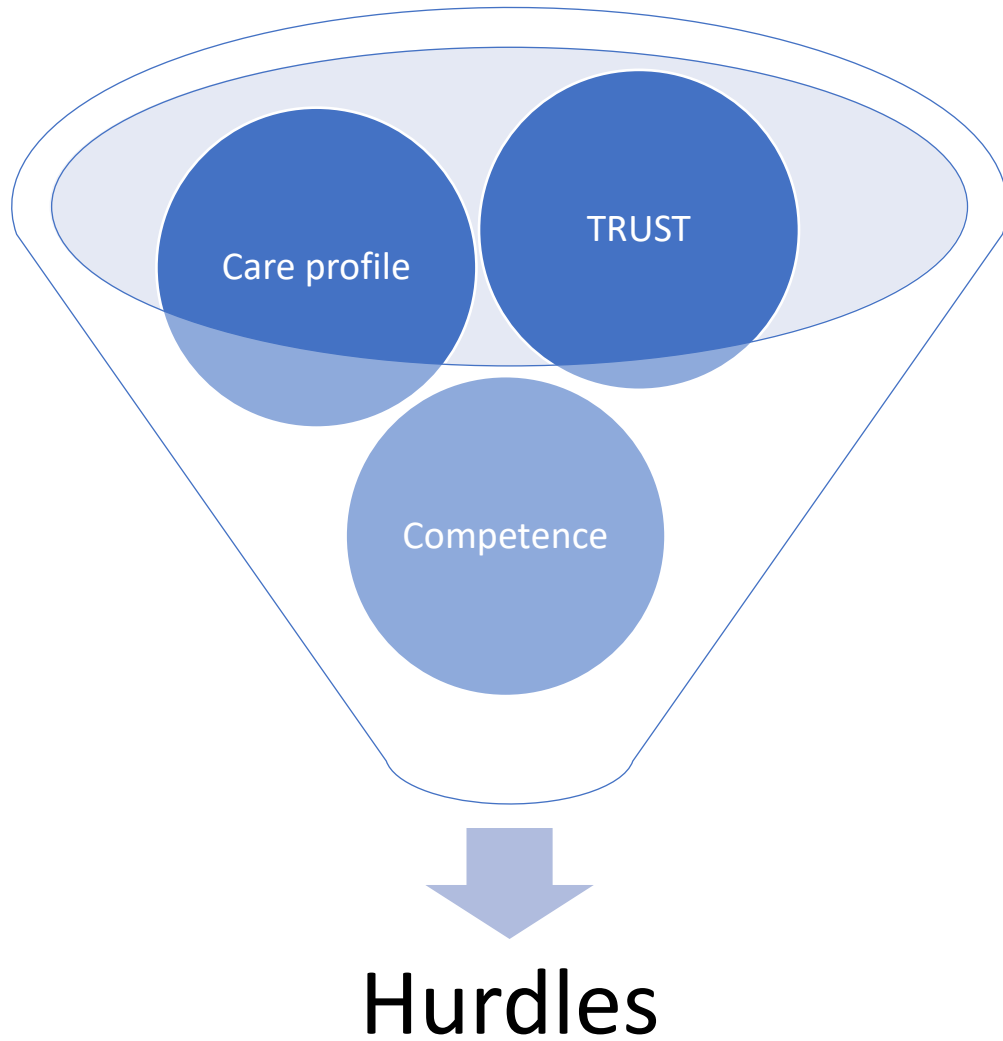


Acceptance & Experience

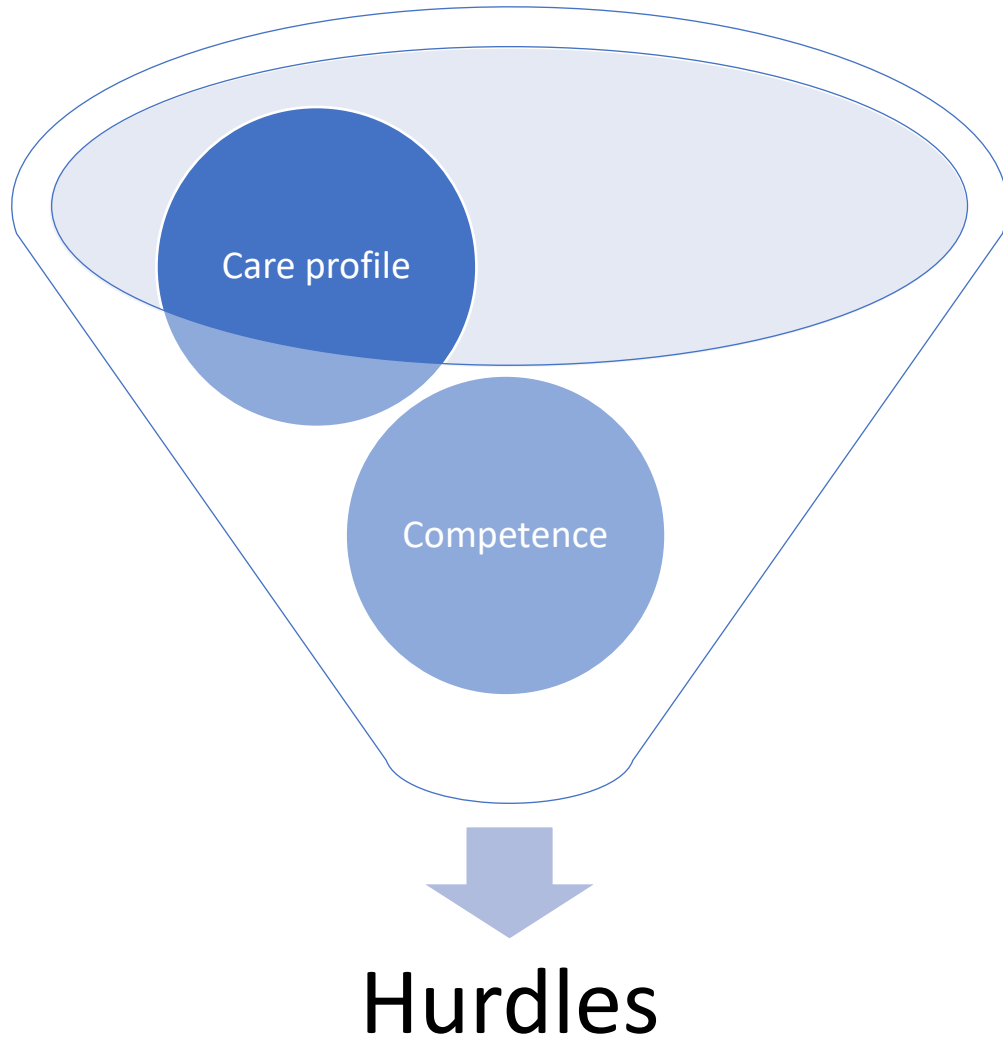


Acceptance & Experience

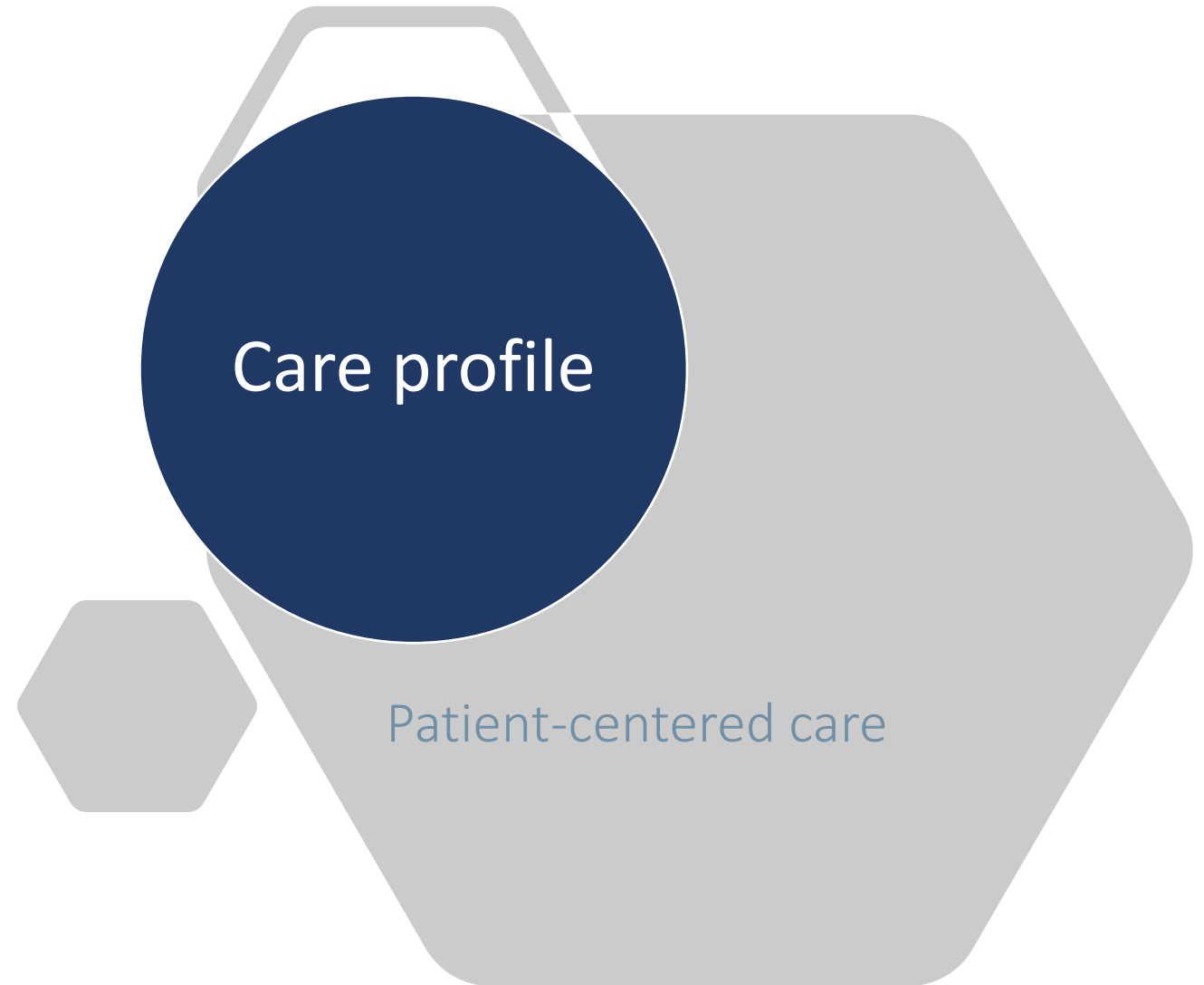
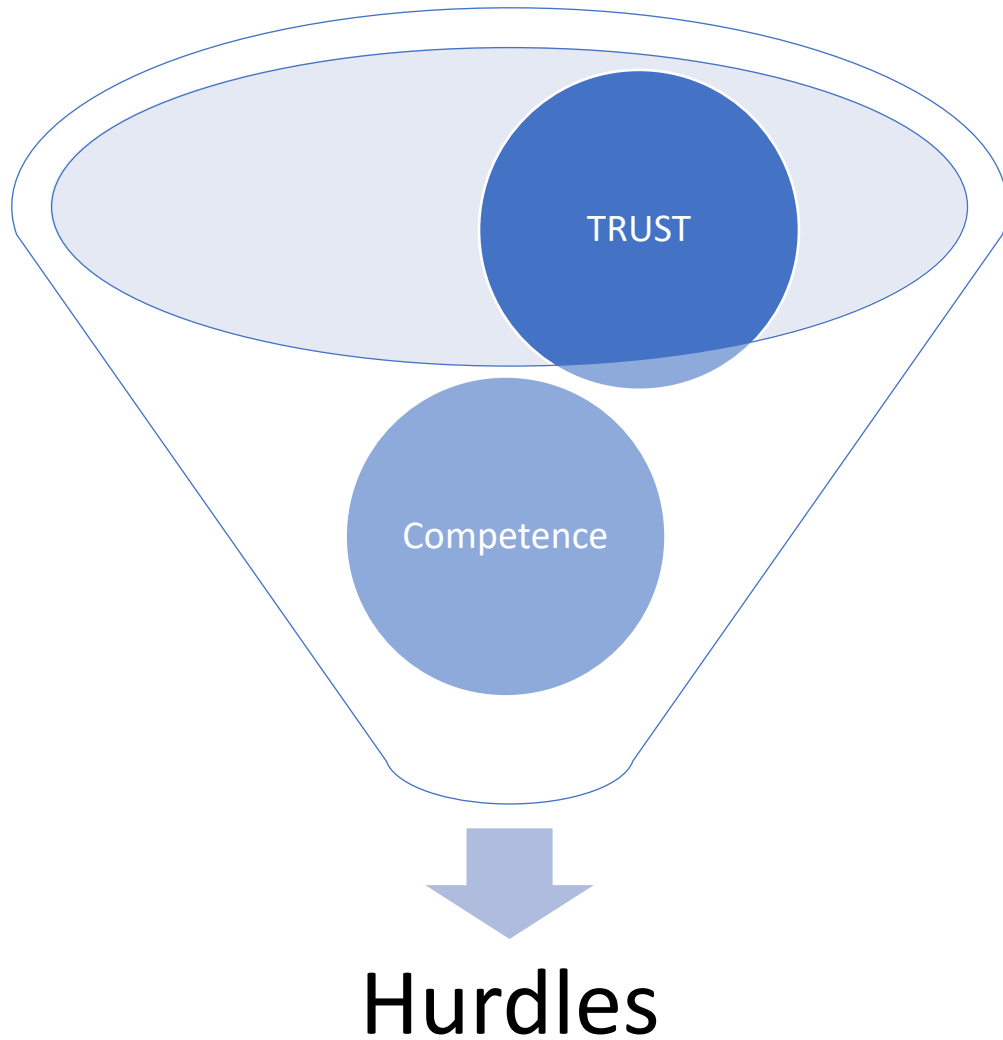
Acceptance



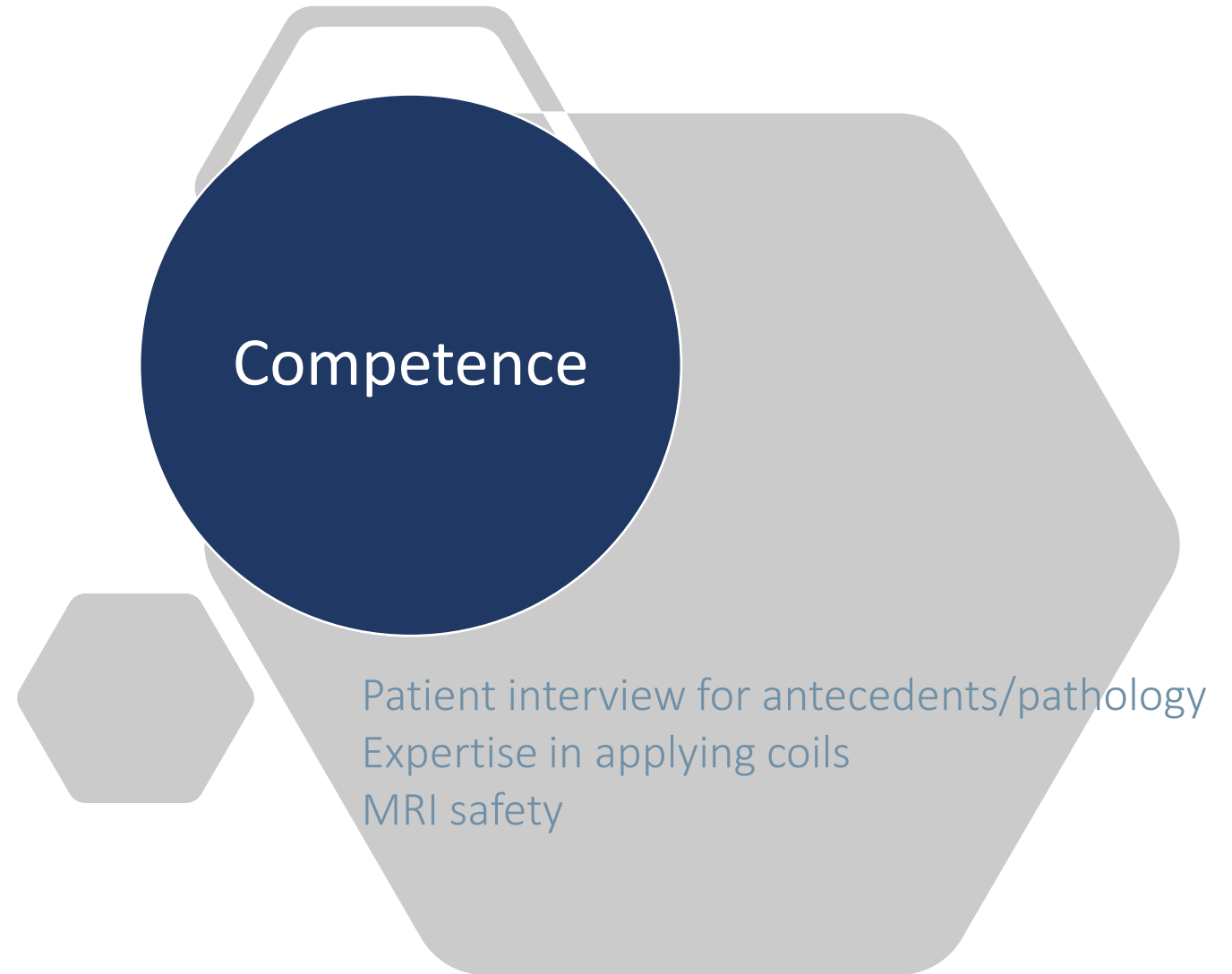
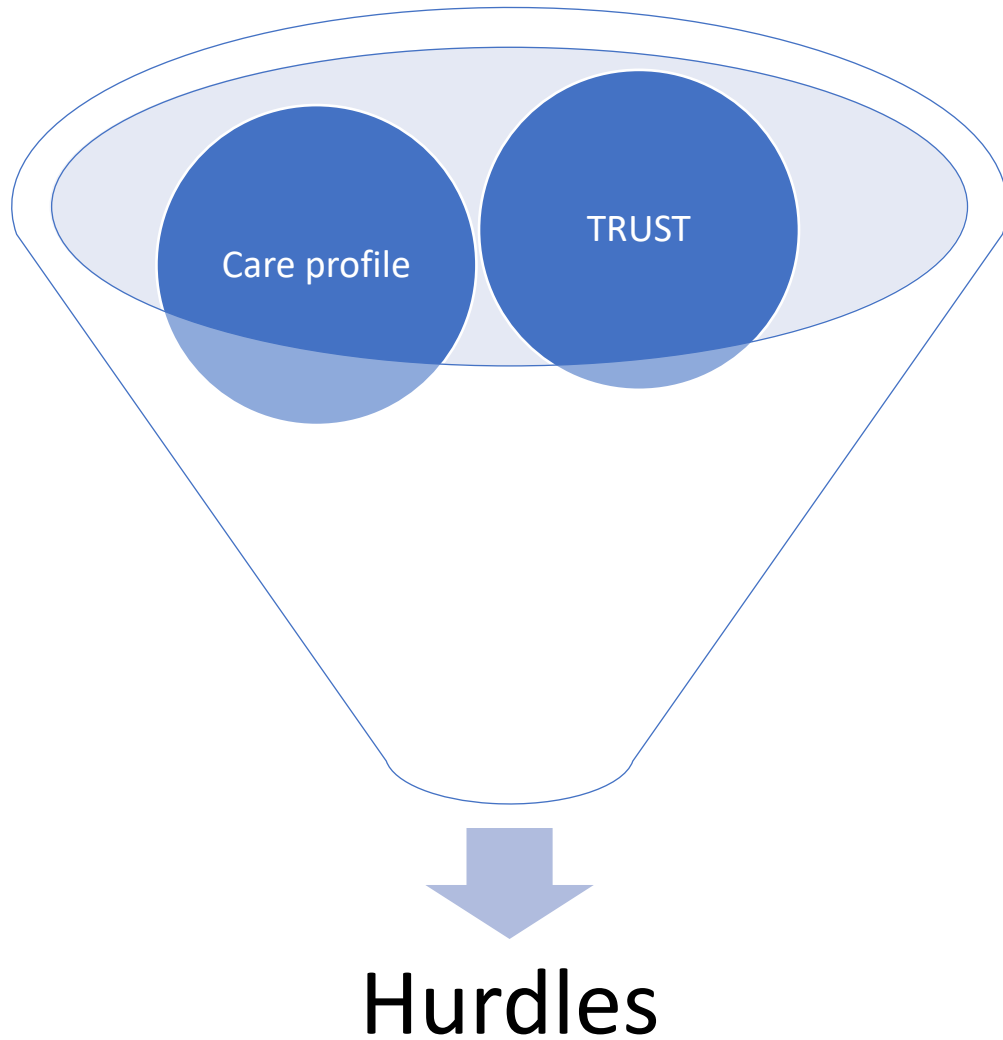
Acceptance



Acceptance



Acceptance





Acceptance & Experience

Experience

