

Development of technology to support patients in the kidney transplantation process

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Background

- Kidney transplantation is the treatment of choice
- After kidney transplantation the patients still have many contacts with the health care system interrupting their everyday life

(Weitz et al 2006, Landreneau et al 2010)

**The hospital and the everyday life are two different worlds:
At the hospital you are told what to do and you are constantly waiting for them to tell you what is going to happen.
In your everyday life you have to make your own decisions (F, PI)**

Every day life of the kidney recipients

Out-patient visits

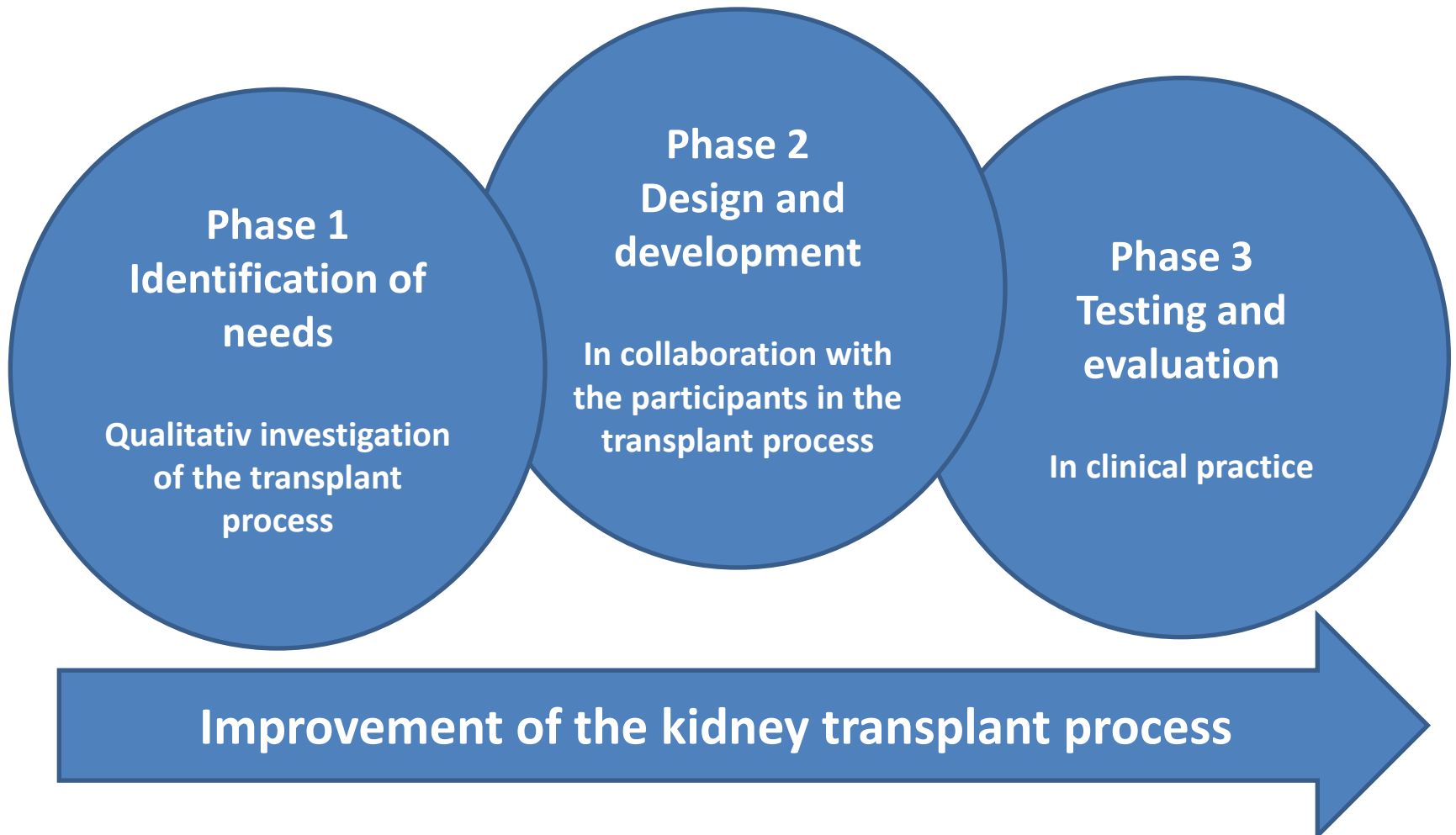
Transplantation

Admissions

Objective

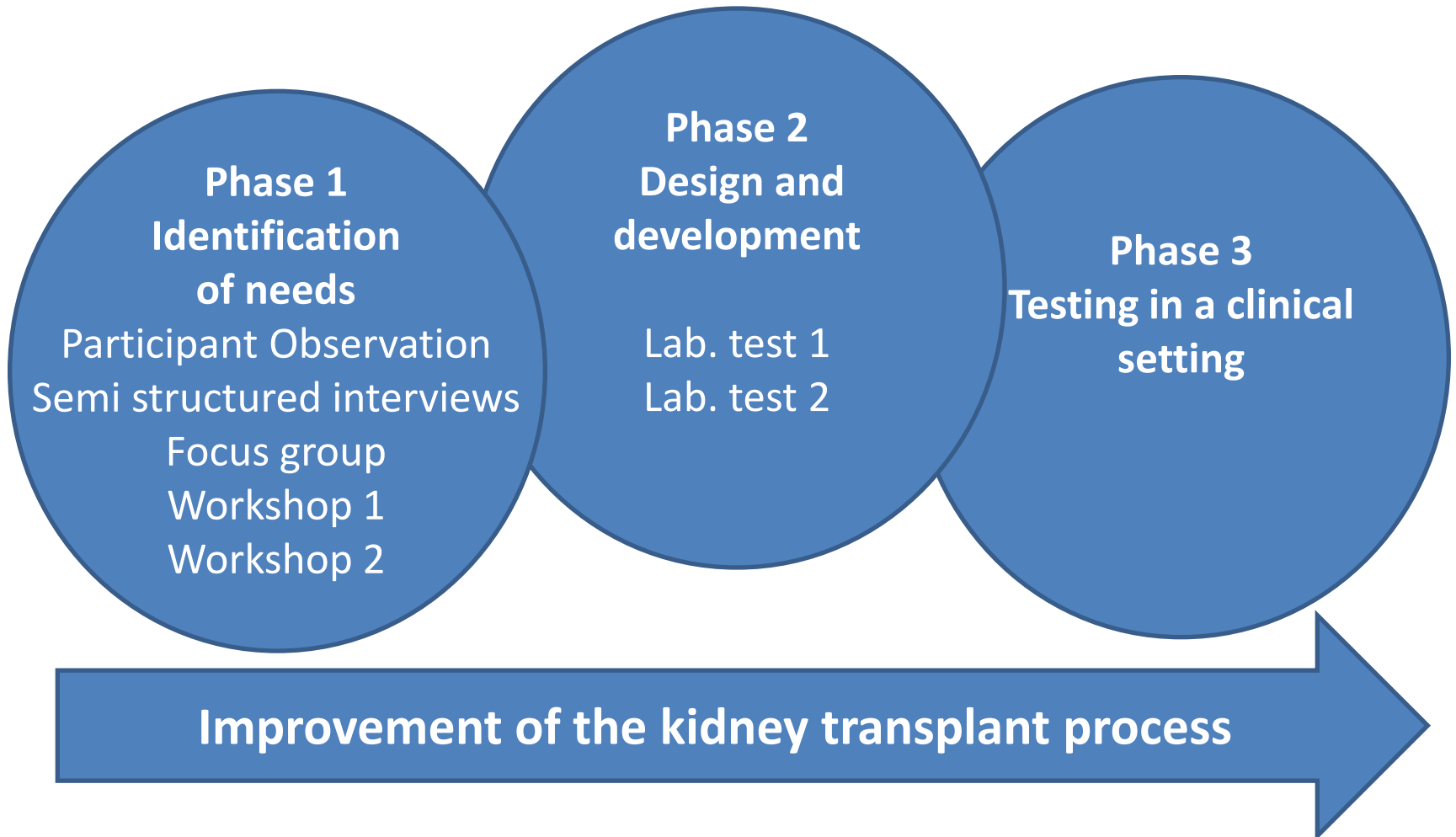
To develop new ways of involving kidney recipients in the kidney transplant process, supported by telemedicine.

Participatory Design



(Clemensen et al 2017)

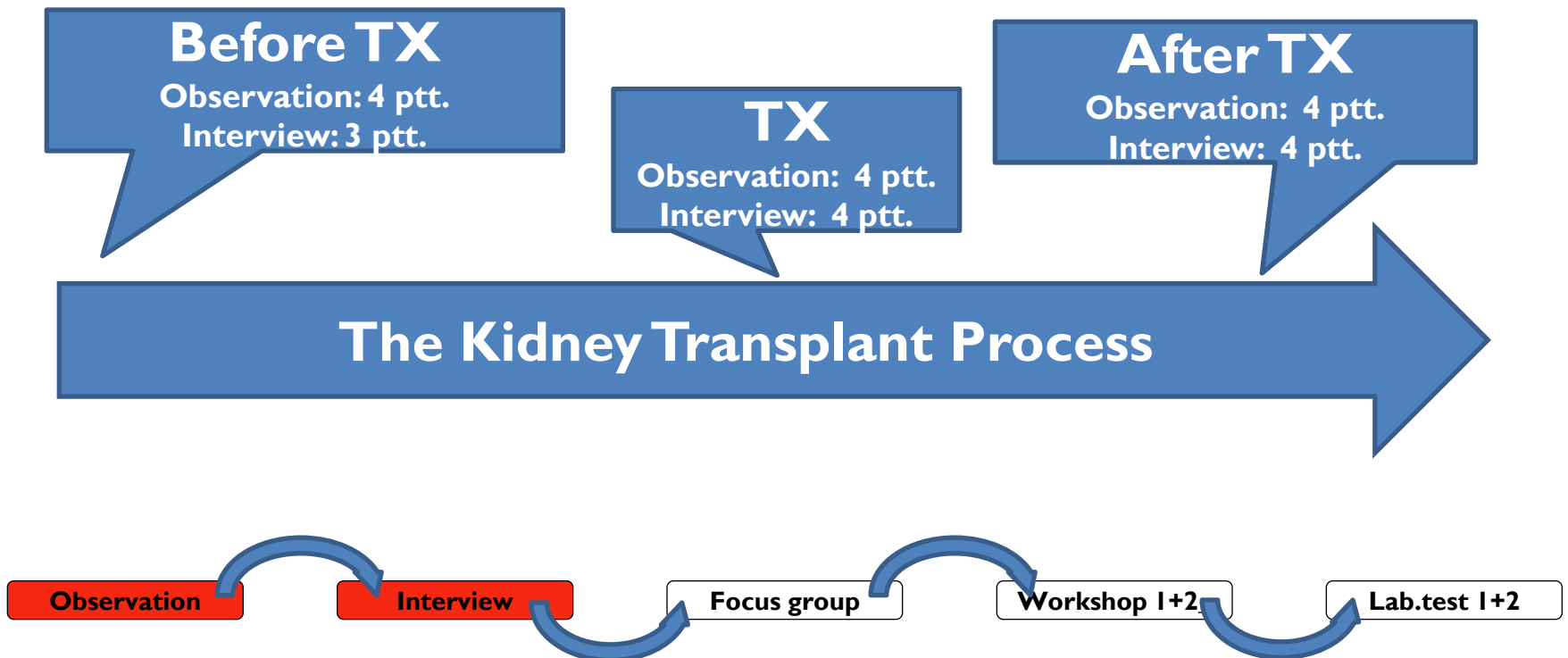
Methods



Observation and interviews

- Participant observation (12 ptt – 150 hours)
- Semi-structured individual interviews (11 ptt)

(Spradley 1980, Kvale & Brinkmann 2015)



Focus group

Healthcare professionals

Discussion of the general findings:

- Patient involvement
- Aspects concerning the patients



Workshop I+2

Participants

- Healthcare professionals
- Patients and their families
- The Danish Kidney Assoc.
- It-consultants

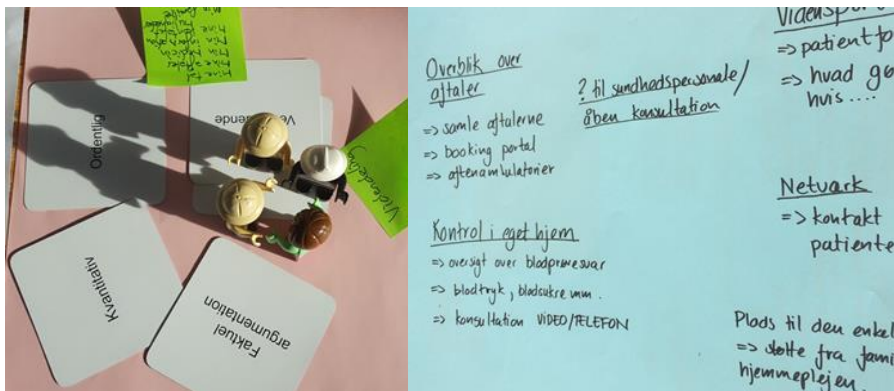
Discussions of:

- Qualitative findings
- Possible solutions



Workshop I+2

Findings



APP or a platform – one device covering the entire kidney transplantation process

Individual out-patient controls



Workshop 1+2



Findings

- Statistics of kidney transplantations at OUH
- Knowledge base
- Preparation before meeting the HCP
- Individual out-patient controls
- Communication between patient and HCP



Lab. test 1+2

Individual out patient controls

The practice today

- Controls 2 times a week in the out-patient clinic
- Blood sample results

The patients needs

- Close contact with the health system
- Recovery at home
- A holistic approach



Lab.Test 1+2

New practice

- One control in the out-patient clinic a week. The second by phone
- Patient Data (questions and measurements)



Lab. test 1+2

Work procedure: Individual out-patient controls





Thank you

