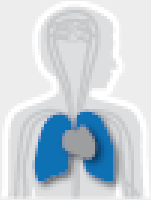
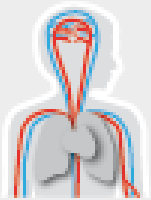


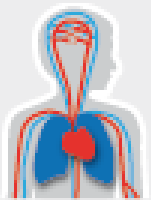
Heart Failure & Arrhythmias



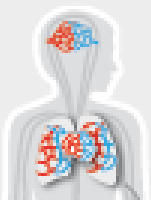
Pulmonary Hypertension  
& Thrombosis



Atherosclerosis  
& Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

# Focus of research group (I)

Name PI: F.J. van Ittersum

Department, UMC: Nephrology, VUmc

Size of research group:

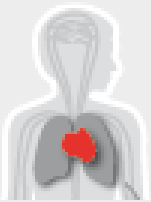
B. van Jaarsveld, F. van Breda, A. Bonenkamp, M. Dam, Y.S. Kim,  
cooperation with UMCU, LUMC (Epidemiology)

## Current mission, vision and aims

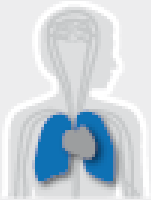
- Finding and evaluating clinical outcomes relevant to patients
- Promoting selfcare

## Background

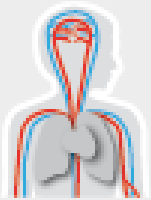
- Increasing age nephrology patients
- Mortality not discriminative
- New clinical endpoints needed
  - PROMs, e.g. Quality of Life
  - Cardiovascular PROMs ?
  - Relevant diagnostic tests, 6 min walking, handgrip strength
  - Cognitive function / cerebral perfusion



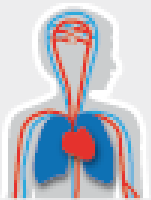
Heart Failure & Arrhythmias



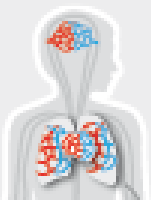
Pulmonary Hypertension  
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Diabetes & Metabolism



Microcirculation

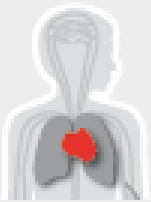
# Focus of research group (II)

## Current expertise

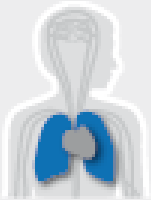
- Nephrology – Dialysis – Transplantation
- Epidemiology, including PROMs, complex statistical analytic methods
- Cerebral perfusion tests

## Current funding

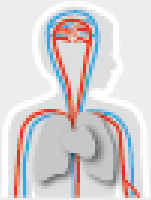
- ZonMW
- Dutch Kidney Foundation
- Companies: Baxter, Fresenius
- ACS



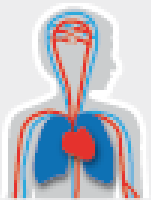
Heart Failure & Arrhythmias



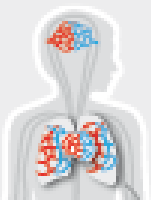
Pulmonary Hypertension  
& Thrombosis



Atherosclerosis  
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Diabetes & Metabolism



Microcirculation

# Future plans

## Short term (1-2 year) plan

Plan: Validation and evaluation of several PROMs / new outcomes (i.a. cerebral perfusion, 6 min walking test) in dialysis patients, CKD patients

Necessary infrastructure:

Cooperation Clinimetrics VUmc

PROMs registration in Epic / Epic associated system

## Long term (>2 year) plan

Plan:

- Predictive value of PROMs / new clinical endpoints with respect to cardiovascular function
- Evaluating / designing new PROMs / outcomes
- Applicability of PROMs / new clinical outcomes in clinical practice

Necessary infrastructure:

**Collaboration in ACS**

Cardiology, Cerebral perfusion laboratory (AMC)