







Focus of research group (I)

Name PI: Otto Kamp, cardiologist, MD, PhD, FESC (PI)
Department, UMC: cardiology VUmc
Size of research group: 3 persons VUmc, 2 fellows and PI and international collaboration with University of Nebraska, USA and Sao Paolo, Brazil

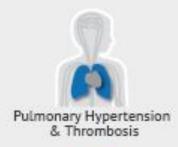
Current mission, vision and aims

The development of theragnostics (imaging combined with therapy) in clinical cardiology, especially in acute coronayr syndromes, but also exploring endocarditis.

First, feasibily of sonolysis in the ambulance in acute STEMI, efficacy of post intervention (PCI) sonolysis in microvascular obstruction after pPCI.

Second, resolution of vegetations in endocarditis, especially right sided device endocarditis and improvement of penetration of antibiotics in endocarditis











Focus of research group (II)

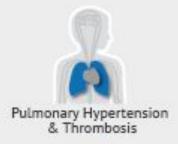
Current expertise

8 publications on the topic of sonolysis resulting in 2 academic thesis/promovendi

Current funding

University of Nebraska and matched by VUmc











Future plans

Short term (1-2 year) plan

Plan: pilot ambulance study, pig experiment vegetation, mulitcenter post pPCI sonolysis study (MRUSMI = microvascular reperfusion utilyzing sonolysis in acute myocardial infarction)

Necessary infrastructure: Promovendus (will start January 2019) Collaboration network with Nebraska, Sao Paolo, Amsterdam

Long term (>2 year) plan

Plan: MRUSMI, clinical outcome

Necessary infrastructure: Collaboration network, support from ACS