

Supplementary Information

Real-time magnetic resonance imaging – guided coronary intervention in a porcine model

Timo Heidt^{1*#}, Simon Reiss^{2#}, Axel J. Krafft², Ali Caglar Özen², Thomas Lottner², Christoph Hehrlein¹, Roland Galmbacher³, Gian Kayser⁴, Ingo Hilgendorf¹, Peter Stachon¹, Dennis Wolf¹, Andreas Zirlik¹, Klaus Düring⁵, Manfred Zehender¹, Stephan Meckel⁶, Dominik von Elverfeldt², Christoph Bode¹, Michael Bock^{2#} and Constantin von zur Mühlen^{1#}

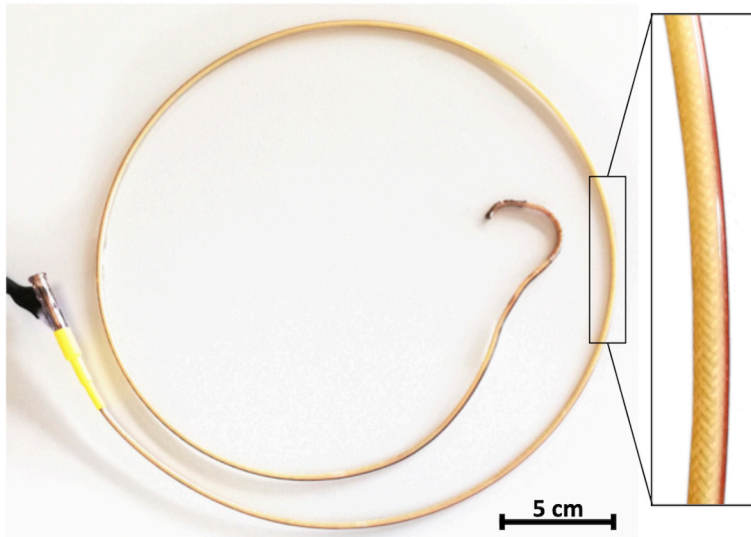
Supplementary file S1.

The movie shows the intubation of the left coronary artery with a modified 5F catheter using real-time MR guidance.

Supplementary file S2.

The movie shows selective coronary perfusion imaging of myocardial short axis slices during injection of gadolinium contrast agent into the left coronary artery.

Supplementary file S3.



Supplementary file S3. Custom-made guiding catheter. Photograph of the 8F double-lumen guiding catheter with Kevlar braiding. The second lumen was dedicated to the micro-coaxial cable between the loop coil at the tip and the interface circuit. The larger lumen was used for advancing the balloon catheter. The length of the catheter was 100 cm.