Cardiovascular MRI Research

3-dimensional blood flow characterization in aortic valve disease

Abdominal 4D Flow

3D Space STIR (short tau inversion recovery)

Non-contrast MR Angiography / Venography

Quiescent-interval single shot (QISS) MRA

T2 mapping: detecting transplant rejection

Regional myocardial velocities and tissue characterization

Funding

Contact Us

PI/faculty
James Carr, MD
jcarr@northwestern.edu

Jeremy Collins, MD
collins@rd.northwestern.edu

Michael Markl, MD
mmarkl@northwestern.edu

Alex Barker, PhD
alex.barker@northwestern.edu

Susanne Schnell, PhD
susanne.schnell@northwestern.edu

Kai Lin, MD
kai.lin@northwestern.edu

Postdoctoral Fellows / Research Associates

Maria Carr, RT
mcarr@northwestern.edu

Julie Garcia, PhD
julio.garcia@northwestern.edu

Sanan Chowdhury, MD
sanan.chowdhury@northwestern.edu

Bradley Allen, MD
bdallen@northwestern.edu

Michael Rose
mrose@luriechildrens.org

Graduate Students

Kelly Jarvis, PhD Candidate
kellyjarvis2011@u.northwestern.edu

Can Wu, PhD Candidate
canwu2016@u.northwestern.edu

Research Staff

Julie Blaisdell (Research Project Manager)
julie.blaisdell@northwestern.edu

Marcello Bello (CTI Manager)
marcello.bello@northwestern.edu

Becky Ditch (Research Nurse)
beckyditch@northwestern.edu

Griselda Herrera (Research Tech)
griselda.herrera@northwestern.edu

Pre-Embolization

Post-Embolization

Non-contrast MR Angiography / Venography

Contrast-enhanced magnetic resonance angiography (CEMRA)

Real time Compressed Sensing (CS) Cine of the heart

Regional myocardial velocities and tissue characterization