Register
Please complete the attached registration form and return by fax or email. The course fee includes tuition, teaching materials, continental breakfast and lunch while at Duke University Medical Center. Enrollment is limited to 35 participants. Please notify Michele Parker (919-668-1671) should a cancellation be necessary. For cancellations prior to September 15th, 2020, there will be a $50 administrative fee charged to the registrant. After September 15th, 2020, the administrative fee is $500. In the event the program is cancelled or postponed, we will not be responsible for any travel costs or expenses, including cancellation/charge penalties assessed by airlines, travel agencies, or hotels.

Lodging
A list of nearby hotels is available on our website: medicine.duke.edu/DCMRC

Registration
To Register:
Complete the registration form and fax to (919) 668-3554 or email to michele.parker@duke.edu. You will receive an email confirming your registration. Approximately 2 weeks prior to the course, you will receive a second email with information regarding payment of the registration fee by check or credit card.

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Overview: This practicum was developed by the Duke Cardiovascular Magnetic Resonance Center (DCMRC) and is designed to provide practical instruction on cardiovascular MRI. Participation in this course fulfills SCMR Level 1 (track B) and is applicable to toward SCMR Level 2 coursework requirements. The content covers the material on the Cardiovascular Magnetic Resonance Board exam (www.apca.org), but is also appropriate for physicians new to the field and for technologists.

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Elizabeth Jenista, PhD  
Research Scholar  
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Schedule Overview

Monday, October 5th, 2020
8:00 am – 8:30 am  
Registration

8:30 am – 5:00 pm  
Welcome & Introductions; Lectures: Cardiac imaging; MRI safety; MRI physics - Pulse sequences and image reconstruction; Imaging sequences for cardiovascular anatomy, function, viability, perfusion, flow, and angiography; parallel imaging techniques.

Tuesday, October 6th, 2020
8:30 am – 5:00 pm  
Lectures: Technical review from Day 1; Overview of the core cardiac exam and assessment of ventricular function; Assessment of myocardial viability; MR perfusion stress testing; Artifacts; ARVC/D; T2 and T2* mapping.

Wednesday, October 7th, 2020
8:30 am – 5:00 pm  
Lectures: Incidental non-cardiac findings; Motion artifacts; T1 mapping; Role of CMR in heart failure and cardiomyopathies; Coronary anatomy; Congenital cardiac disorders I and II; Guidelines for CMR quantitation and post-processing.

Thursday, October 8th, 2020
8:30 am – 5:00 pm  
Lectures: Assessment of the pulmonary veins; Assessment of cardiovascular hemodynamics including measurement of flow and shunts; Hypertrophic CM; Cardiac masses; Assessment of the peripheral vascular system; Evaluation of the pericardium  
Case Review/Observation of patient cases

Friday, October 9th, 2020
8:30 am – 3:00 pm  
Lectures: CMR imaging of patients with cardiac devices; Valvular heart disease; Assessment of the central vascular system; Advanced CMR techniques  
Case Review/Observation of patient cases