

# CARDIAC MR

Earn up to 30.25 AMA PRA Category 1 Credits™ and 25 SAM Credits

ACR MEMBER: \$3,500

MEMBER-IN-TRAINING: \$1,750

NON-MEMBER: \$5,000



## Faculty:

### Juan Carlos Batlle, MD

Course Director  
Radiology Associates of South Florida



### Michael Bolen, MD

Cleveland Clinic, Ohio



### Jacob Kirsch, MD

Cleveland Clinic, Florida

## Course Overview

This three-day course led by Juan Carlos Batlle, MD, is designed to optimize clinical practice skills by providing intense training in interpreting cardiac MR examinations under the supervision of expert faculty.

Participants will use a FUJI Synapse workstation and have access to over 150 cardiac MR and vascular MR angiography cases for review. Post-processing techniques and interpretation will be emphasized. The course also covers technical considerations for obtaining optimal examinations for interpretation.

## Program Objectives

At the conclusion of this course, participants will be able to:

- Identify normal cardiovascular anatomy and normal anatomic variants.
- Determine the spectrum of ischemic and nonischemic cardiomyopathies, including function, rest and stress perfusion, and viability.
- Evaluate pericardial constriction, cardiac masses, valvular disease, pulmonary veins and cardiac shunts.
- Identify new techniques such as assessment of area at risk and myocardial edema with T2W imaging.
- Interpret vascular MRA, including aorta, renal, carotid, visceral and peripheral vessels.
- Recognize imaging manifestations of cardiovascular disease and the complementary role of MRI to echocardiography, CT and cardiac catheterization in therapeutic decision making.
- Apply the technical basis of cardiac and peripheral vascular MR, including hardware requirements, sequence selection and optimization, and technical limitations.
- Apply post-processing techniques for functional, flow and angiographic evaluation
- Review ongoing technical and clinical developments in the field of cardiac and peripheral vascular MR.

## Workstation

FUJI Synapse with Medis

## Certificate

Attendees who interpret a minimum of 50 cases will be awarded a Certificate of Proficiency stating they meet the case requirement as specified in the ACR-NASCI-SPR Practice Parameter for the Performance and Interpretation of Cardiac Magnetic Resonance Imaging (MRI).

Accreditation Statement: The American College of Radiology is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation Statement: The American College of Radiology designates this live activity for a maximum of 30.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Qualified on 11/5/2018, this activity meets the American Board of Radiology's criteria for a self-assessment (SAM) activity and is designated for up to 25 SAM Credits toward the ABR Maintenance of Certification program.

	7:00 a.m.	Workstation Introduction
	<b>8:30 a.m.</b>	<b>Basic Pulse Sequences and How to Perform a Cardiac MRI Study</b>
	9:45 a.m.	Break
	<b>10:00 a.m.</b>	<b>Ischemic and Nonischemic Cardiomyopathies</b>
	11:30 a.m.	Supervised Case Review
<b>Day 1</b>	Noon	Lunch
	<b>12:30 p.m.</b>	<b>Clinical Applications of Cardiac MRI — Emphasis on Special Protocols</b>
	1:30 p.m.	Supervised Case Review
	2:45 p.m.	Break
	3:00 p.m.	Supervised Case Review
	5:30 p.m.	Cocktail Reception
	6:00 p.m.	Optional Time for Self-Review of Cases
	8:00 p.m.	ACR Education Center Closes

	7:00 a.m.	Optional Time for Self-Review of Cases
	<b>8:30 a.m.</b>	<b>Phase Contrast Imaging, Flow Quantification and Valvular Assessment</b>
	9:30 a.m.	Supervised Case Review
	10:00 a.m.	Break
	10:15 a.m.	Supervised Case Review
<b>Day 2</b>	Noon	Lunch
	<b>12:30 p.m.</b>	<b>3T and the Future of Cardiac MRI</b>
	1:30 p.m.	Supervised Case Review
	2:45 p.m.	Break
	3:00 p.m.	Supervised Case Review
	5:30 p.m.	Break
	6:00 p.m.	Optional Time for Self-Review of Cases
	8:00 p.m.	ACR Education Center Closes

	7:00 a.m.	Optional Time for Self-Review of Cases
	8:30 a.m.	Supervised Case Review
	10:00 a.m.	Break
	10:15 a.m.	Supervised Case Review
<b>Day 3</b>	Noon	Lunch
	12:30 p.m.	Supervised Case Review
	2:00 p.m.	Optional time for Self-Review of Cases
	3:00 p.m.	Course Concludes

## Lectures are in bold

*“Excellent teaching by the faculty. I really appreciate the time that each spent discussing not only “textbook” style teaching, but also addressing how they would approach a case in practice.”*

— Tami Bang, MD  
University of Colorado Hospital

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