

# Cardiovascular MR Courses and Fellowships for Physicians and Technologists

(Please contact the respective course director or – in case of Phase 1–3 courses taking place in the US, Ms M. Bieman, Phone (+1) 888-221-8010, [margaret.bieman@siemens.com](mailto:margaret.bieman@siemens.com))

## CMR Courses and Fellowships – USA

### Phase 1 – Introductory Short Courses for Technologists

These 4-day introductory short courses consist of many hands-on scanning sessions, many technical discussions and demonstrations, with a few clinical discussions and demonstrations. Two days are dedicated to hands-on scanning volunteers, while two more days are dedicated to post-processing and observing clinical patient exams.

Every sponsoring institution that offers these courses presents the same agenda and syllabus so that each attending technologist receives the same “ASRT-accredited” training. Attendees should have good familiarity with Siemens’ latest MR conventions, nomenclature, and software in order that the principles of MR may be applied during the course and to facilitate the learning of basic Cardiovascular MR techniques.

#### Introduction to Cardiovascular MR

Northwestern Memorial Hospital,  
Radiology Division, Chicago, IL

##### Registration:

Charles Fasanati, RT  
+1-312-926-5685  
[cfasanat@nmh.org](mailto:cfasanat@nmh.org)

#### Introduction to Cardiovascular MR

University of Virginia Health System,  
Radiology Division, Charlottesville, VA

##### Registration:

John Christopher, RT  
+1-434-243-6904  
[jmc2v@virginia.edu](mailto:jmc2v@virginia.edu)

#### Introduction to Cardiovascular MR

William Beaumont Hospital,  
Cardiology Division, Royal Oak, MI

##### Registration:

Ralph Gentry, RT  
+1-248-898-7258  
[rgentry@beaumont.edu](mailto:rgentry@beaumont.edu)

#### Introduction to Cardiovascular MR

The Ohio State University, Ross Heart  
Hospital, Columbus, OH

##### Registration:

Beth McCarthy, RT  
+1-614-247-7847  
[beth.mccarthy@osumc.edu](mailto:beth.mccarthy@osumc.edu)

## Phase 2 – Intermediate Short Courses for Physicians and Technologists

These 3- to 5-day intermediate short courses consist of numerous clinical discussions, clinical case reviews, and clinical exam observations, as well as some technical discussions and demonstrations, and a few hands-on scanning sessions. These courses are ideally suited for a physician and technologist team, but would be appropriate for either individually. Clinical concepts and practices are vendor non-specific, whereas Siemens Cardiovascular MR Courses & Fellowships equipment is demonstrated during practical hands-on sessions.

### Cardiovascular MR Practicum

Duke University, Cardiovascular  
MR Center, Durham, NC

Directors: Raymond Kim, M.D.,  
& Robert Judd, Ph.D., Div. of Cardiology

#### Registration:

Michele Parker  
+1-919-668-1671  
michele.parker@duke.edu  
<http://dcmrc.mc.duke.edu>

### MRI Basic Principles for Physicians

Siemens Training & Development, Center, Cary, NC

Director: Mark A. Brown, Ph.D.,  
Siemens Training & Development  
Center: 1-919-468-7445

#### Registration:

Denise Hardy  
+1-800-888-7436, Opt. 4  
<http://www.siemensmedical.com>  
(US) → Education → ClinicalApplicationsTraining → MR

### Cardiovascular MR Hands-on Experience and Cardiac MR Case Interpretation

Washington University, Mallinckrodt  
Institute of Radiology, St. Louis, MO

Director: Pamela Woodard, M.D.,  
Radiology Division

#### Registration:

Laura Schollmeyer  
+1-314-362-7697  
schollmeyerl@mir.wustl.edu  
<http://www.cvil.wustl.edu/mr-course>

### Experience in Clinical and Research

Cardiovascular Magnetic Resonance

Fuqua Heart Center of Atlanta,  
Piedmont Hospital, Atlanta, GA

Director: Szilard Voros, M.D.,  
Cardiology Division

#### Registration:

Kim Christian, RT  
+1-404-605-4905  
kim.christian@piedmont.org

### Cardiovascular CT/MR: Update and Case Review

The Ohio State University

Ross Heart Hospital, Columbus, OH

Directors: Orlando P. Simonetti, Ph.D.  
and Subha V. Raman, M.D., MSEE,  
Cardiovascular Medicine

#### Registration:

Ellen  
+1-614-293-9992  
<http://ccme.osu.edu>

### Phase 3 – Observational Fellowships for Physicians and Technologists

These observational fellowships for physicians and technologists provide an opportunity to observe and participate in the clinical practice of Cardiovascular MR over the course of several weeks. Attendees may observe and participate in routine clinical exams and interpretations, review case files, discuss operational and technical issues, and learn important resources for setting up a practice. Typically, no classroom instruction is provided. All dates are ongoing, apply for availability. Many offer both MR and CT training.

**William Beaumont Hospital,  
Cardiovascular MRI Center, Royal Oak, MI**  
Director: Gil Raff, M.D.  
Cardiology Division  
**Registration:** Gil Raff, M.D.  
+1-248-898-0116  
graff@beaumont.edu

**Fuqua Heart Center of Atlanta,  
Piedmont Hospital, Atlanta, GA**  
Director: Szilard Voros, M.D.,  
Cardiology Division  
**Registration:** Kim Christian, RT  
1-404-605-4905  
kim.christian@piedmont.org

**The Ohio State University  
Ross Heart Hospital, Columbus, OH**  
Directors: Orlando P. Simonetti, Ph.D.  
and Subha V. Raman, M.D., MSEE,  
Cardiovascular Medicine  
**Registration:** Beth McCarthy, RT  
+1-614-247-7847  
beth.mccarthy@osumc.edu

### Phase 4 – Advanced Long Term Credentialing Fellowships for Physicians

These advanced long term fellowships for physicians meet the guidelines for CMR training established by the SCMR (Society for Cardiovascular MR). In general, 1 month meets Level 1 credentialing, 3 months meets Level 2 credentialing, and 1 year meets Level 3 credentialing, but these may vary. These fellowships teach the physician how to perform and interpret Cardiovascular MR exams. Some locations will require a minimum number of weeks or months of attendance, and most allow the education to be conducted in intervals that can meet individual practice needs (few weeks, few months, entire year). All dates are ongoing, apply for availability. Many offer both MR and CT training.

**Duke University,  
Cardiovascular MR Center, Durham, NC**  
Director: Raymond Kim, M.D. & Robert Judd,  
Ph.D., Div. of Cardiology  
**Registration:** Michele Parker  
+1-919-668-1671  
mparker@dcmrc.duhs.duke.edu  
<http://dcmrc.mc.duke.edu>

**University of Virginia Health System, Depart-  
ments of Radiology & Medicine (Cardiology),  
Charlottesville, VA**  
Director: Christopher Kramer, M.D.,  
Radiology/Cardiology  
**Registration:** Christopher Kramer, M.D.  
+1-434-243-6060  
ckramer@virginia.edu  
<http://www.healthsystem.virginia.edu/internet/radiology/CardiacMRI/cardiadmri.cfm>

**William Beaumont Hospital, Royal Oak, MI**  
 Director: Gilbert Raff, M.D.; Cardiology Division  
**Registration:** Gilbert Raff, M.D.  
 +1-248-898-0116  
 graff@beaumont.edu

**The Ohio State University,  
 Ross Heart Hospital, Columbus, OH**  
 Directors: Orlando P. Simonetti, Ph.D.,  
 and Subha V. Raman, M.D., MSEE,  
 Cardiovascular Medicine  
**Registration:** Beth McCarthy, RT  
 +1-614-247-7847  
 beth.mccarthy@osumc.edu

**Fuqua Heart Center of Atlanta,  
 Piedmont Hospital, Atlanta, GA**  
 Director: Szilard Voros, M.D.; Cardiology Division  
**Registration:** Kim Christian, RT  
 +1-404-605-4905  
 kim.christian@piedmont.org

## CMR Courses and Fellowships – International (excluding USA)

### Canada

**Stephenson Cardiovascular MR Centre Foothills  
 Medical Centre University of Calgary, Canada**  
 Director: Matthias Friedrich, M.D., FESC  
**Registration:** Silke Friedrich, M.D.  
 Tel. +403-944-8806  
 cmr.centre@calgaryhealthregion.ca

**VU University Medical Center, Amsterdam,  
 Netherlands**  
 Hands-on Course Cardiovascular MRI  
 Director: A.C. van Rossum, M.D.  
**Registration:** Ankie Muller,  
 Tel. +31-20-444 2244  
 cardiol@VUmc.nl

### Europe

**Charite Campus Buch, Franz-Volhard-Klinik,  
 Dept. of Cardiology, Berlin, Germany**  
 Director: Jeanette Schulz-Menger, M.D., FESC  
**Registration:** Annette Köhler  
 Tel: +49 30-94172353  
 info@circle-institute.com

**Cardiovascular Magnetic Resonance Unit  
 Royal Brompton Hospital, London, UK**  
 Director: Dudley Pennell, M.D.  
**Registration:** Dudley Pennell, M.D.  
 Tel: +44 20 7351 8810  
 d.pennell@ic.ac.uk

**Kerckhoff Heart Center  
 Dept. of Cardiology, Bad Nauheim, Germany**  
 Director: Thorsten Dill, M.D., FESC  
**Registration:** Annegret Thomas,  
 Siemens Medical Solutions  
 Tel. +49 9131 84-7726  
 annegret.thomas@siemens.com

**Leeds International Cardiac MR Course  
 University of Leeds, UK**  
 (5-days course, annually)  
 Director: Mohan Sivananthan, M.D.  
 Consultant Cardio-Radiologist  
**Registration:** Margaret Green  
 Tel. +44 (0)113 294 5702  
 Mgreen@leedscmr.org

**St. Marien-Hospital,  
 Dept. of Cardiology, Bonn, Germany**  
 Director: Giso von der Recke, M.D.  
**Registration:**  
 Annegret Thomas, Siemens Medical Solutions  
 Tel. +49 9131 84-7726  
 annegret.thomas@siemens.com

**University of Queensland, Centre for Magnetic  
 Resonance, Brisbane, Australia**  
 Basic Cardiac MRI  
**Registration:** Erica Maddock  
 erica.maddock@cmr.uq.edu.au