



20 April, 2024

Start Time  
(PDT)

Presentation End Time  
(PDT)

**Session 1: Basics of MRI**

8:00 AM

10:50 AM

Welcome address

8:00 AM

8:10 AM

Basic MR Physics

8:10 AM

8:25 AM

Basic pulse sequences for MR imaging

8:25 AM

8:45 AM

Principles of fast imaging

8:45 AM

9:05 AM

MRI Safety

9:05 AM

9:25 AM

CMR and devices – patient preparation, safety and artifacts

9:25 AM

9:50 AM

Live Q&A

9:50 AM

10:50 AM

**Break**

10:50 AM

11:20 AM

**Session 2: Select and perform protocols**

11:20 AM

2:20 PM

Cine Imaging

11:20 AM

11:40 AM

LGE imaging

11:40 AM

12:00 PM

CMR stress perfusion imaging

12:00 PM

12:20 PM

CMR for flow quantification

12:20 PM

12:40 PM

Optimizing CMR image quality and trouble-shooting during acquisition

12:40 PM

1:00 PM

Recognizing and minimizing common CMR artifacts

1:00 PM

1:20 PM

Live Q&A

1:20 PM

2:20 PM

**Break**

2:20 PM

2:50 PM

**Session 3: Ischemic and nonischemic heart disease**

2:50 PM

5:50 PM

CMR for T1 & T2 mapping

2:50 PM

3:10 PM

CMR for assessing acute coronary syndromes

3:10 PM

3:30 PM

Acute myocarditis and the Lake Louise Criteria

3:30 PM

3:50 PM

Pericardial disease

3:50 PM

4:10 PM

CMR for cardiac involvement in systemic diseases and infections

4:10 PM

4:30 PM

CMR for assessing cardiac masses and tumors

4:30 PM

4:50 PM

Live Q&A

4:50 PM

5:50 PM

Adjourn for the day

| 21 April, 2024   | Presentation Start Time (PDT) | Presentation End Time (PDT) |
|--|-------------------------------|-----------------------------|
| <b>Session 4: Nonischemic heart disease, pericardial disease, cardiac masses</b> | 8:00 AM                       | 11:00 AM                    |
| CMR for assessing HCM  | 8:00 AM                       | 8:20 AM                     |
| CMR for assessing DCM and ARVC   | 8:20 AM                       | 8:40 AM                     |
| CMR for infiltrative and storage heart disease                                   | 8:40 AM                       | 9:00 AM                     |
| CMR for assessing non-compaction cardiomyopathy                                  | 9:00 AM                       | 9:20 AM                     |
| CMR for iron overload  | 9:20 AM                       | 9:40 AM                     |
| CMR for differentiating athlete's heart from cardiomyopathies                    | 9:40 AM                       | 10:00 AM                    |
| Live Q&A   | 10:00 AM                      | 11:00 AM                    |
| Break  | 11:00 AM                      | 11:30 AM                    |
| <b>Session 5: Valvular heart disease and congenital heart disease</b>            | 11:30 AM                      | 2:30 PM                     |
| CMR for valvular heart disease   | 11:30 AM                      | 11:50 AM                    |
| Common congenital Heart Disease  | 11:50 AM                      | 12:15 PM                    |
| Complex congenital Heart Disease   | 12:15 PM                      | 12:45 PM                    |
| Understanding shunts   | 12:45 PM                      | 1:30 PM                     |
| Live Q&A   | 1:30 PM                       | 2:30 PM                     |
| Break  | 2:30 PM                       | 3:00 PM                     |
| <b>Session 6: Vascular Disease</b>   | 3:00 PM                       | 5:40 PM                     |
| CMR for assessment of aortic diseases  | 3:00 PM                       | 3:20 PM                     |
| CMR for assessment of pulmonary arteries and veins                               | 3:20 PM                       | 3:40 PM                     |
| CMR for assessment of coronary arteries  | 3:40 PM                       | 4:00 PM                     |
| CMR for assessment of peripheral vascular disease                                | 4:00 PM                       | 4:20 PM                     |
| Extracardiac and extravascular findings  | 4:20 PM                       | 4:40 PM                     |
| Live Q&A   | 4:40 PM                       | 5:40 PM                     |
| Adjourn  |                               |                             |