## SCMR

## Foundations of CMR - A Level I. 5 Workshop

September, 2024: Day 1
University of Pennsylvania/Children's Hospital of Philadelphia

| Philadelphia PA USA |  |
| :---: | :---: |
| 7:00-7:30 AM | Breakfast and Registration |
| 7:35-7:55 AM | Welcome and Intro |
| 8:00-8:40 AM | CMR Physics and Pulse Sequences |
| 8:45-9:25 AM | MRI contrast agents; mechanisms and applications |
| 9:30-10:10 AM | Flow Imaging and Quantitative Analysis of Velocity-Encoded Images |
| 10:10-10:25 AM | Break |
| 10:25-11:05 | Tissue Characterization: Myocardial Infarction, Scarring, and Viability Assessment |
| 11:10 AM - 11:50 PM | CMR of Right and Left Ventricular Function |
| 11:55 AM - 12:35 PM | CMR of Valvular Heart Disease |
| 12:35-1:15 PM | Lunch |
| 1:15-1:55 PM | Cases |
| 2:00-2:40 PM | Stress Testing: Pharmacologic and Ergometry |
| 2:45-3:25 PM | Vascular Pathology |
| 3:25-3:40 | Break |
| 3:40-4:20 PM | CMR techniques for infants, children and fetuses |
| 4:25-5:05 PM | CMR and devices |
| 5:10-5:50 PM | Cardiomyopathy/Heart Failure/Myocarditis |
| 5:55-6:30 PM | MRI Safety |
| 6:30 PM | Wrap up and adjourn |

## Foundations of CMR - A Level I Workshop

September, 2024: Day 2
University of Pennsylvania/Children's Hospital of Philadelphia

| Philadelphia PA USA |  |
| :---: | :---: |
| 7:00-7:45 AM | Breakfast |
| 7:45-7:55 AM | Logistics for Day 2 |
| 8:00-8:40 AM | Simple congenital heart disease |
| 8:45-9:25 AM | TOF/TGA |
| 9:30-10:10 AM | Single ventricle and complex congenital heart disease |
| 10:10-10:25 AM | Break |
| 10:25-11:05 | Cardiac tumors across the lifespan |
| 11:10 AM - 11:50 PM | Coronary Imaging - Normal and Congenital |
| 11:55 AM - 12:35 PM | Pericardial disease |
| 12:35-1:15 PM | Lunch |
| 1:15-1:55 PM | Live scanning* |
| 2:00-2:40 PM | Start your own CMR program |
| 2:45-3:30 PM | Pulmonary hypertension |
| 3:30-3:45 PM | Break |
| 3:45-5:00 PM | Post processing |
| 5:05-5:45 PM | The future: newer techniques |
| 5:50-6:00 PM | Questions and closing remarks |

