12th SPR Advanced Symposium on Cardiovascular Imaging
October 14-16, 2016
FRIDAY, OCTOBER 14

Focus Session 1: Aortopathy
Moderator:
8.15-8.35 Imaging manifestations of genetically mediated aortic disease: beyond Marfan's syndrome
8.35-8.55 4D flow in Marfan’s and Loeys Dietz syndrome
8.55-9.15 Arterial stiffness and relation to outcomes in aortic disease
9.15-9.35 Is there a better way to measure the aortic root by MRI?
9.35-9.55 Current surgical management of aortic dilation in children
9.55-10.20 Discussion
10.20-10.35 Break

Evolving Concepts: Ventricular-vascular interaction and myocardial energetics
Moderator:
10.35-10.55 Ventricular vascular Interaction in CHD
10.55-11.15 Assessment of ventricular vascular interaction by MRI
11.15-11.35 RV Myocardial Energetics and Efficiency
11.35-11.55 Serial biomechanical evaluation of single ventricle
11.55-12.10 Discussion
12.10-1.00 Lunch

Focus Session 2: Myocardial Disease
Moderator:
1.00-1.20 Myocardial Characterization Techniques: Recent Advances
1.20-1.40 CMR in Anthracycline cardiotoxicity
1.40-2.00 Post transplant evaluation by CMR
2.00-2.20 MRI of Pediatric Myocarditis: multi-institutional study results
2.20-2.40 Discussion
2.40-3.00 Break

Looking to the Future The Role of Big Data in Pediatric CMR
Moderator:
3.00-3.05 The Need for Big Data
3.05-3.30 How do we determine the value of CMR in children?
3.30-3.50 Setting Up a CMR Registry: Lessons from the adult side

Critical questions and essential elements of a pediatric CMR registry
3.50-4.05 Myocardial Disease
4.05-4.20 s/p TOF repair
4.20-4.40 Break
4.40-4.55 s/p TGA repair
4.55-5.10 Single Ventricle Palliation
5.10-5.25 Post Fontan
5.25-5.40 CT: Preoperative Planning in Neonates and Infants
5.40-6.00 Discussion
7.00-10.00 Dinner for Faculty vs Vendor Presentations with Dinner

SATURDAY, OCTOBER 15
Opening Session
7.15-8.15 Morphology session with 3D printed models: DORV in your hands

Clinical Imaging Update 1: Imaging and Surgery
Moderator:
8.20-8.45 Why do surgical approaches differ between centers today?
8.45-9.05 Imaging-surgery correlation and outcomes in Tetralogy of Fallot
9.05-9.25 Borderline LV: Role of MRI in Surgical Decision making
9.25-9.45  Decision making in Fontan Surgery with MRI
9.45-10.00 Discussion
10.00-10.30 Break

Technical Update
New Tools: What is on the horizon for pediatric cardiovascular imaging?
**Moderator:**
10.25-10.45  Fast Imaging
10.45-11.05  Pulmonary Vascular Resistance
11.05-11.25  Diastology
11.25-11.45  iCMR
11.45-12.05  Exercise training and testing in CHD

12.05-1.05 Lunch

State of the Art
Fetal/Perinatal Imaging of CHD
**Moderators:**
1.05-1.25  Brain Protection in CHD and Neurodevelopmental Outcomes
1.25-1.45  Flow Hemodynamics in fetal CHD
1.45-2.05  Genetic damage from MR Imaging: What do we know?
2.05-2.15  Discussion
2.15-2.30 Break

Works in Progress
**Moderator:**
2.30-2.50  Cincinnati
2.50-3.10  Michigan
3.10-3.30  Dallas
3.30-3.50  Stanford
3.50-4.10  Philadelphia
4.10-4.30  Discussion
4.30-4.45 Break

Wine & Cheese Debate
Debate: Should We Change the Way We Practice Pediatric CMR today?
**Moderator:**
Unsupervised, free-breathing, standardized, 15 minute, point of care CMR
Versus
Comprehensive, supervised, targeted studies with respiratory control

5.45-6.30 Reception

SUNDAY, OCTOBER 16
Hands-on Early Bird Session
7.00-7.50 Osirix for CV Imaging

Clinical Imaging Update 2:
Coronary Imaging
**Moderator:**
8.00-8.20  Coronary MRA: Recent Advances
8.20-8.40  Evaluation of Kawasaki disease by MRI
8.40-9.00  CTA-Surgery Correlation in AAOCA
9.00-9.20  MR Stress Perfusion in Coronary Anomalies
9.20-9.40  Standardized Approach to AAOC Management
9.40-10.20  Case based discussion of AAOCA
10.20-10.50 Break

Young Imagers Session
**Moderators:**
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:50-11:10</td>
<td>Best Poster Presentation</td>
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<td>11:10-11:30</td>
<td>Best Case Submission</td>
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<td>11:30-12:00</td>
<td>Discussion and Wrap-up</td>
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