

4D Flow MRI - July 19th -20th 2018

COURSE SCHEDULE

Northwestern University Department of Radiology - 737 North Michigan Avenue Suite 1600, Chicago, IL, 60611

Day 1, July 19th, 2018

8:00 - 8:20	Registration
8:20 - 8:30	Welcome and Introduction (<i>Markl, Collins, Schnell</i>)
8:30 - 9:15	Introduction to 4D Flow MRI I - Methods and Concepts: Data Acquisition (<i>Markl</i>)
9:15 - 10:00	Introduction to 4D Flow MRI II - Methods and Concepts: Data Analysis (<i>Schnell</i>)
10:00 -10:30	Q&A & Coffee Break & Walk to Center of Translational Imaging (CTI)
10:30 -11:30	Group 1: Live 4D Flow Protocols and Human Subject Scans @ 1.5T
10:30 -11:30	Group 2: Hands-On 4D Flow Data Analysis - Introduction to Circle 4D Flow Module
11:45 -12:45	Group 2: Live 4D Flow Protocols and Human Subject Scans @ 1.5T
11:45 -12:45	Group 1: Hands-On 4D Flow Data Analysis - Introduction to Circle 4D Flow Module
12:45 -1:45	Lunch
1:45 - 3:30	Hands-On 4D Flow Data Analysis - Thoracic Aorta Cases (aortic valve disease, coarctation, dissection)
3:30 - 4:00	Q&A & Coffee Break
4:00 - 5:30	Hands-On 4D Flow Data Analysis - Thoracic Aorta Cases (aortic valve disease, coarctation, dissection)
6:00 - 9:00	Dinner

Day 2, July 20th, 2018

8:30 - 9:00	4D Flow MRI Applications: Cardio-Thoracic (<i>Collins</i>)
9:30 - 10:00	4D flow MRI Scan Protocols - Review & Live Simulation (<i>Markl</i>)
10:00 - 11:00	Hands-On 4D Flow Data Analysis - Whole Heart Cases (complex CHD)
11:00 - 11:30	Q&A & Coffee Break / Brunch
11:30 - 12:00	4D Flow MRI Applications: Abdomen & Emerging Areas (<i>Collins</i>)
12:00 - 13:30	Hands-On 4D Flow Data Analysis - Whole Heart & Select Cases
13:30 - 14:00	4D Flow Recap (<i>Markl, Collins, Schnell</i>)
14:00	Conclusion of course

- Live MRI scanning (human subjects) / scan simulation
- Hands-on 4D flow analysis