

## **2019 Siriraj CMR Course**

- Division of Cardiology, Department of Medicine and Her Majesty Cardiac Center, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand, and Thai Society of Radiological Technologist
- Thursday 30<sup>th</sup> - Friday 31<sup>st</sup> May 2019
- Vikit Viranuvatti Room, 3rd - 4th Floor Asdang Building Faculty of Medicine, Siriraj Hospital

Join us for dedicated, case-based learning and hands-on training for methods, indications, interpretation of CMR

### **Objectives**

-Attendants will be able to understand basic CMR, indications, interpretation of CMR (includes cases for CMR level 1)

### **Course overview**

- 2-day course with lectures and cases of different categories of diseases
- Essential topics of basic and advanced CMR techniques (physics, safety, artifacts)
- At least 50 cases reviewed with mentorship to achieve SCMR Level 1 – intermediate accreditation
- Hands-on sessions for both clinician and technologists with practical tips to improve image acquisition
- Live scan

### **Faculty List**

Course Director

Rungroj Krittayaphong (Siriraj Hospital, Mahidol University)

International Faculty

Noriko Oyama-Manabe (Hokkaido University Hospital, Sapporo, Japan)

Tan Ru San (National Heart Center, Singapore)

Shuo Zhang (Philips Healthcare, Germany)

Stephane Breil (Philips Healthcare, APAC)

Local Faculty

Thananya Boonyasirinant (Siriraj Hospital, Mahidol University)

Adisak Maneesai (Siriraj Hospital, Mahidol University)  
 Vithaya Chaithiraphan (Siriraj Hospital, Mahidol University)  
 Pairash Saiviroonporn (Siriraj Hospital, Mahidol University)  
 Napapong Pongnapang (Mahidol University)  
 Supachai Ekwattanakit (Siriraj Hospital, Mahidol University)  
 Chodchanok Vijarnsorn (Siriraj Hospital, Mahidol University)  
 Paweena Chungsomprasong (Siriraj Hospital, Mahidol University)  
 Supachai Ekwattanakit (Siriraj Hospital, Mahidol University)

## Program

- **Thursday 30<sup>th</sup> May 2019**

Time	Topics	
08.00 - 08.20	Registration	
08.20 - 08.30 (10 mins)	Opening Ceremony	Supachai Chaithiraphan, Chaophya Hospital
08.30 - 08.40 (10 mins)	Introduction	Rungroj Kittayaphong
08.40 - 09.20 (40 mins)	Basic CMR I - CMR physics, sequence, contrast part 1 (20 mins) - CMR physics, sequence, contrast part 2 (20 mins)	Pairash Saiviroonporn (Chair) Pairash Saiviroonporn, Siriraj Hospital  Stephane Breil, Philips Healthcare
09.20 - 10.00 (40 mins)	Basic CMR II - CMR safety - CMR artifacts (20 mins)	Napapong Pongnapang (Chair) Prajak Thanapibunpon, Siriraj Hospital Napapong Pongnapang (Mahidol University)
10.00 - 10.30 (20 mins)	Break (visit ISP workstation)	
10.30 - 11.10 (40 mins)	Basic CMR III - Planning - Anatomy & function (inc dark-blood morphology and bright-blood cine)	Thananya Boonyasirinant (Chair) <b>CK</b> Thananya Boonyasirinant
11.10 - 11.40 (30 mins)	CMR workstation for anatomy and function (demo)	Weerachon Tepanant (or ISP specialist)/ Supaporn Nakyen and Vithaya Chaithiraphan (Chair)
11.40 - 13.10	Lunch symposium (30 mins) – Cardiovascular MRI: State of the Art Lunch symposium (30 mins)	Shuo Zhang, Philips Healthcare

	Lunch (30 mins)	
13.10 – 14.00 (50 mins)	Clinical CMR I (Lecture and cases) - Stress CMR (25 mins) - Late gadolinium enhancement (25 mins)	Tan Ru San (Chair) Lertlak, Bangkok Hospital Tan Ru San, National Heart Center, Singapore
14.00 - 14.50 (50 mins)	Clinical CMR II (Lecture and cases) - Congenital heart disease I (25 mins) - Congenital heart disease II (25 mins)	Chodchanok Vijarnsorn (Chair) Chodchanok Vijarnsorn, Siriraj Hospital Paweena Chungsomprasong, Siriraj Hospital
14.50 - 15.20 (30 mins)	Break/visit ISP workstation	
15.20 - 16.10 (50 mins)	Clinical CMR III (Lecture and cases) - Cardiomyopathy (25 mins) - Valvular heart disease (25 mins)	Adisak Maneesai (Chair) Noriko Oyama-Manabe, Hokkaido University Hospital Adisak Maneesai, Siriraj Hospital

• **Friday 31<sup>th</sup> May 2019**

Time	Topics	
08.30 - 09.15 (45 mins)	Clinical CMR IV (Lecture and cases) - Coronary MRA (25 mins) - Cardiac mass, Pericardial disease (25 mins)	Rungroj Kittayaphong (Chair) Rungroj Kittayaphong, Siriraj Hospital Thananya Boonyasirinant, Siriraj Hospital
09.15 - 10.10 (55 mins)	Clinical CMR V (Lecture and cases) - Thalassemia (20 mins) - Acute chest pain (15 mins) - Introduction to CVI42 program (20 mins)	Tan Ru San (Chair) Supachai Ekwattanakit, Siriraj Hospital Rungroj Kittayaphong, Siriraj Hospital CVI 42 expert
10.10 - 10.40 (30 mins)	Break/ visit CVI42 workstation	
10.40 – 11.40 (60 mins)	Advanced CMR: Parametric Mapping - Techniques (20 mins) - Clinical application I (20 mins) - Clinical application II (20 mins)	Shuo Zhang (Chair) Shuo Zhang, Philips Healthcare Tan Ru San, National Heart Center, Singapore Noriko Oyama-Manabe, Hokkaido University Hospital
11.40 - 13.10	Lunch symposium (30 mins) Lunch symposium (30 mins) Lunch (30 mins)	
13.10 - 14.30 (80 mins)	ROOM A Clinician Session: Case review (bring your own cases for competition)	Tan Ru San (Chair) Rungroj Kittayaphong, Siriraj Hospital

		Noriko Oyama-Manabe, Hokkaido University Hospital (as 3 judges)
13.10 - 14.30 (80 mins)	ROOM B Technologist Session: CMR scan protocol - make it easy	Shuo Zhang (Chair) Stephane Breil CK and Prajak
14.30 - 14.50 (20 mins)	Break	
14.50 - 16.30 (90 mins)	Live-scan - Cardiomyopathy  - Ischemic heart disease	Adisak Maneesai (Chair) Adisak Maneesai, Siriraj Hospital Prajak Thanapiboolpol, Siriraj Hospital Supaporn Nakyen, Siriraj Hospital  Adisak Maneesai, Siriraj Hospital Prajak Thanapiboolpol, Siriraj Hospital Supaporn Nakyen, Siriraj Hospital