

## COURSE DESCRIPTION

**6<sup>th</sup> CT Coronary Angiography Teaching Course (includes mentored cases for SCCT Level 2 Training ) 6-7<sup>th</sup> August 2010**

### Course Director: Dr John Hoe

Medi-Rad Associates Ltd  
CT Centre  
Mt Elizabeth Hospital, Singapore

### Course Faculty

Dr Tsai I-Chen (Taichung, Taiwan)  
Dr Akira Kurata (Ehime, Japan)  
Dr Tan Swee Yaw (Singapore)  
Dr John Hoe (Singapore)

### Course Overview

This teaching course is designed to enhance clinical practice skills by providing intense practical training in interpreting coronary CTA examinations under the supervision of teaching faculty. Day 1 is planned to consist of lectures. Day 2 is half day session of mentored case review sessions where cases will be shown on workstations by teaching faculty as well as optional 'Hands on workshop' using workstations. Cases viewed can be documented to form part of SCCT requirements for Level 2 training. Most cases include coronary catheter angiography correlation. The course lectures will also cover the more practical and technical considerations for CT coronary angiography. Focus is on helping improve techniques of scanning and reporting. Talks are meant to be practical- "how I do it" type lectures with practical examples, pitfalls and mistakes often made, teaching relevant basic anatomy as well as updates on recent advances.

### Certificate of Proficiency

Attendees will be awarded a Certificate of Proficiency that includes the mentored number of cases reviewed as well as cases personally manipulated, for use in credentialing, which can contribute to the case requirements specified in the ACFC/AHA/SCCT Level 1 and 2 requirements for Clinical Competence in Cardiac Imaging with Computed Tomography and Magnetic Resonance

**1<sup>st</sup> CT Neuroperfusion Teaching Course and Workshop -May 15 2010**

### Course Director: Dr Samuel Ng

Medi-Rad Associates Ltd  
Mt Elizabeth Medical Centre, Singapore

### Course Overview

Due to recent advances in CT technology, CTA and CT perfusion of the brain is now being performed routinely in many centres

This half day teaching course is designed to enhance clinical practice skills by providing intense practical training in interpreting and performing CT brain perfusion scans and to learn advantages and disadvantages compared to MR of the brain.

### VENUE

The course will be held at the Furama Riverfront Hotel, which is situated just outside the central business district. It is 30 minutes from the airport. Furama RiverFront is an e 4-star hotel offering over 596 modern rooms. There is also a complimentary shuttle bus service to Chinatown and Orchard Road.

### ACCOMMODATION

Hotel reservations and arrangements are the sole responsibility of registrants: **Furama Riverfront Hotel** (recently renamed from Apollo Novotel Hotel) is location for this meeting. 405 Havelock Road, Singapore 169633

Main Tel: (65) 6333 8898 Reservations Dept (65) 67396412

Main Fax: (65) 6733 1588 Reservations Dept: (65) 62351280

<http://www.furama.com/riverfront>

A block of rooms has been reserved at special room rates of:

Deluxe room at SGD190.00+++ per room per night includes breakfast for one person

Executive Club rooms at SGD238.00+++ per room per night inclusive of one breakfast and internet access. Rates are valid only for this meeting. Rates quoted are **not** inclusive of 1% cess tax, 10% service charge and 7% goods & service tax (GST)

Please contact the hotel directly and mention you are attending this meeting to get the special room rate: email to: [reservations.riverfront@furama.com](mailto:reservations.riverfront@furama.com).

### CARDIAC CT HANDS ON WORKSHOPS

Due to the interactive and hands-on nature of the CT coros workshop, the number of participants will be limited to ensure maximum teaching value to registrants. You can choose either session or both sessions (if you want to increase cases read)

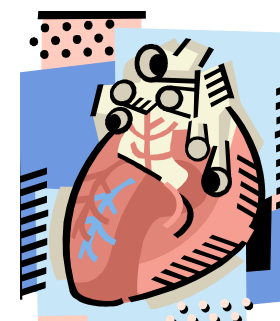
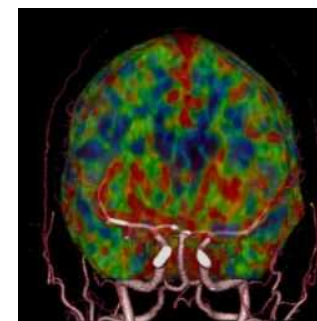
**Course Endorsements** This course is endorsed by :



### Disclaimer:

Whilst every attempt will be made to ensure all aspects of the conference mentioned in this announcement will take place as scheduled, the organiser may make changes to the program content and speakers should the need arise.

# 6<sup>th</sup> Singapore CT Coronary Angiography Teaching Course 2010 and 1<sup>st</sup> CT Neuroperfusion Teaching Course and Workshop



**Friday, 6<sup>th</sup> August to Saturday 7<sup>th</sup> August 2010**

Furama Riverfront Hotel,  
Singapore

[www.cardiaccttc-cmr.com.sg](http://www.cardiaccttc-cmr.com.sg)

## 1. REGISTRATION INFORMATION

Title (please circle): Professor    Dr    Mr    Mrs    Ms

Name:

Institution:

Mailing Address:

Telephone:

Facsimile:

Email Address:

## 2. COURSE REGISTRATION FEE

The registration fee includes course handbook, admission to all lectures, tea/coffee breaks and lunch. Cardiac hands on workshop requires separate registration and space is limited

Registration Options

Please select	Physicians	Radiographers
CT Coros incl Masterclasses	<input type="checkbox"/> S\$430	<input type="checkbox"/> S\$380
CT Coros Hands on workshop – limited places only-each session	<input type="checkbox"/> S\$150 each session	<input type="checkbox"/> Masterclass 2B –no charge
6 Aug 7 Aug or both		
1 <sup>st</sup> CT Neuroperfusion Course	<input type="checkbox"/> S\$320	<input type="checkbox"/> S\$280

Cheques in Singapore Dollars should be made payable to: "Medi-IPA Pte Ltd".

Payment by credit card (VISA & MASTERCARD) is also possible if card details attached –include card number, expiry date and 3 digit security code. No refunds after 15 July 2010

Please return completed form with payment to:

Ms Sandra Lee ,Meeting Secretariat  
Cardiac Imaging Conferences  
3 Mount Elizabeth #01-01/02  
Mount Elizabeth Medical Centre, Singapore 228510  
Tel:65-91294341 Fax:65-67327776  
email :[registration@cardiaccttc-cmr.com.sg](mailto:registration@cardiaccttc-cmr.com.sg)

### 6<sup>th</sup> August 2010 FRIDAY

#### CT Coros Teaching Course-PART 1 -lectures

##### Session 1- Techniques and scan acquisitions

0800-0820 - Current status of cardiac CT –Overview of key recent Technological advances and clinical status –J Hoe

0820-0840 - How to lower radiation doses in cardiac CT and explain risks related to radiation –J Hoe

0840-0910 – Comprehensive evaluation of heart by MDCT-including cardiac perfusion and viability assessment –Tsai I-C

0910-0940 – How to optimize image quality in cardiac CT in difficult situations eg.atrial fibrillation,very high BMI patients – J Hoe

0940-1010 Coffee Break

##### Session 2 – Scan acquisitions and reporting

1010-1040- How to perform CT myocardial perfusion and viability –basics and scan protocol – A Kurata

1040-1100 – What you need to know about drugs used for myocardial perfusion-Tan SY

1100-1120- CT of pulmonary veins for RF ablation-how to perform and what does the electrophysiologist want to know – Tan SY

1120-1140 – Quantification of coronary artery stenosis- difficulties and pitfalls-J Hoe

1140-1200 – CT of coronary stents –what to report –Tsai I-C

### 1200-1400 – LUNCH with Satellite symposium ( VENDOR SPONSORED)

**1230-1250 Clinical experience with 256MDCT for cardiac CT –advantages and advances**

**1250-1310 Improved cardiac CT using fast pitch and more detectors**

**1310-1330 Current experience with high definition CT and ASIR**

**reconstructions**

**1330-1350 Clinical advantages of volume 320MDCT for cardiac imaging**

### Session 3 – Scan analysis and reporting

1400- 1420- CT for complex PCI procedures -what you need to know and how to report –J Hoe

1420-1450- MDCT of cardiac valves-how to optimize image acquisition and what to report –Tsai I-C

1450-1520 Coffee break

### Session 4 – Scan analysis and reporting

1520-1550 – Pitfalls in interpretation of coronary CT angiogram studies –How to avoid false negative and false positive studies – J Hoe

1550-1620- Imaging of acute and chronic myocardial infarction –A Kurata

1620-1650- Myocardial perfusion and viability assessment by CT –what you need to know and correlation with SPECT- A Kurata

**CT Cardiac Hands-on Workshop Case reviews – teaching cases reviewed and manipulated on workstations-OPTIONAL**  
**Requires separate registration and limited places-you can register for one or both sessions**

**1800-2000hrs**–Attendees will be given opportunity to personally manipulate and interpret teaching cases on workstations (Expected number of cases to be completed in 2 hrs minimum 10-12). These cases will be coded and most will have angiographic correlation and can be recorded as part of the cases reviewed and manipulated on a workstation as for SCCT level 2 requirements

### SATURDAY 7<sup>th</sup> August 2010

**(Simultaneous 1<sup>st</sup> CT Neuroperfusion and Brain CTA Teaching Course**

**8.00hrs-12.30hrs)**

**CT Cardiac Hands-on Workshop Case reviews – 9.00am- 11.00am**

**OPTIONAL -Requires separate registration and limited places**

### CT Coros Teaching Course

**2.00pm -4.30m 7<sup>th</sup> August 2010**

**PART 2AMasterclass Case Studies (supervised case reviews)** Faculty will review teaching cases using workstations

2.00pm-2.30pm Reading cases for coronary stenosis-quantification; false negatives; false positives

2.30pm-3.15pm Reading cases for cardiac valves, anomalies and congenital heart disease

3.15pm – 4.00 pm Reading cases for cardiac function and myocardial perfusion –

4.00-4.30pm – Other teaching cases

### CT Coros Teaching Course

**2.00pm-4.30pm 7<sup>th</sup> August**

**PART 2B Masterclass for radiographers Post processing workshop and how to deal with difficult situations**

4.30pm **END OF Cardiac CT COURSE**

### 1<sup>st</sup> CT Neuroperfusion Teaching Course

**7<sup>th</sup> August 2010 SATURDAY 8.30-12.30pm**

8.30-9.00am CT Brain Perfusion – Introduction, Physical Principles, Acquisition Techniques and Perfusion Measurements

9.00-9.30 am Intra and Extra Cranial Vasculature – CT Anatomical and Functional Significance

9.30-10.00 am Reading and Interpreting CTA and CTV – Technique and Pitfalls

10.30-1100 am Brain Ischaemia Evaluation - CT vs MRI

11.00-11.30am Reading and Interpreting CTP – Technique and Pitfalls

11.30-12.00pm Masterclass- teaching cases of clinical examples of usefulness of CTA and CT Brain perfusion –using workstation cases

projected with powerpoint slides

12.00-12.30pm Masterclass-teaching cases of clinical examples of pitfalls and mistakes that can be made reading CTA and CT brain perfusion studies

12.30pm **LUNCH & END of CT Neuroperfusion course**