

## **REVISITING THE HEART: A COMPUTED TOMOGRAPHY-BASED WEBINAR**


By Dr. Noor Khairiah A. Karim

Revisiting the Heart: A Computed Tomography-Based Webinar held on 10<sup>th</sup> April 2021 has been successfully conducted by Cardiac Imaging SIG, College of Radiology from Academy of Medicine of Malaysia with the sponsorship by Siemens Healthcare Sdn. Bhd. The webinar was conducted via Zoom online platform and competently moderated by Dr Sharifah Intan Shafina Syed Abas with participation from 100 COR members. Dr Noor Khairiah A. Karim, the organising chairperson, delivered the opening remark, introducing as well as welcoming all participants to the webinar.

This webinar focuses on imaging the heart using CT, from the basics of Cardiac CT anatomy and pathology including cardiac masses and congenital heart disease through to more advanced applications of CT Myocardial Perfusion and FFR-CT. There were 8 lecture topics that were discussed during the webinar:


1. **Cardiac CT: Patient Preparation and Scanning Protocol** by Dr Kama Azira Awang@Ramli (Hospital Serdang)
2. **Cardiac CT Radiation Dose Reduction Strategies** by Dr Yusri Mohammed (Hospital Serdang)
3. **Tips to Improve Cardiac CT images** by Dr Norliza Othman (Hospital Sultanah Aminah)
4. **Cardiac CT Anatomy: Coronaries and Structures** by Dr Rositaa Mohd Ibrahim (Hospital Pulau Pinang)
5. **Cardiac CT: How to Report and Apply CAD-RADS?** by Dr Noor Khairiah A. Karim (Advanced Medical and Dental Institute, Universiti Sains Malaysia)
6. **Cardiac Calcifications in CT Imaging and Basic TAVI Reporting** by Dr Hazrini Abdullah (Hospital Sultanah Aminah)
7. **Cardiac and Pericardial Masses on Cardiac CT** by Dr Sharifah Intan Shafina Syed Abas (Hospital Pulau Pinang)
8. **Congenital Heart Disease: Diagnosis on Cardiac CT** by Dr Khairil Amir Sayuti (Hospital Universiti Sains Malaysia)

More than that, there was a precisely educative and enlightening Industry Partner Talk from Siemens Healthineers by Ms Chin Wai Leng entitled **Functional CT Imaging: CT Myocardial Perfusion and FFR-CT**. Indeed, this webinar has become a great opportunity for all participants to widen their knowledge along with the expertise that they gained from the lectures. This webinar session managed to achieve its objective and the main focus of the topic, imaging the heart through CT. The session went smoothly without any major drawbacks and it was a success.



**COLLEGE OF RADIOLOGY**  
Academy of Medicine of Malaysia

A CPD Approved Activity




**REVISITING THE HEART: A COMPUTED TOMOGRAPHY BASED WEBINAR**

Date: 10 APRIL 2021  
Time: 2.00 pm - 6.00 pm  
Platform: Zoom (link will be provided upon registration)

The heart is one of the body's most essential organs. This webinar will be focusing on imaging the heart using CT, from the basics of Cardiac CT anatomy and pathology including cardiac masses and congenital heart disease through to more advanced applications of CT Myocardial Perfusion and FFR-CT. Topics on patient preparation, tips and tricks in scanning acquisition, optimizing scan and image quality, managing radiation dose, interpretation of CTA and cardiac calcifications as well as basic TAVI reporting will also be covered.

<p><b>PROGRAMME</b></p> <p>2.00 PM - 2.05 PM : Welcome and Introduction to Programme Dr Noor Khairiah A. Karim Organizing Chairperson</p> <p>2.05pm - 2.30 pm : Cardiac CT: Patient Preparation and Scanning Protocol Dr Kama Azira Awang@Ramil</p> <p>2.30 PM - 2.55 PM : Cardiac CT Radiation Dose Reduction Strategies Dr Yusri Mohammed</p> <p>2.55 PM - 3.20 PM : Tips to Improve Cardiac CT Images Dr Norliza Othman</p> <p>3.20 PM - 3.45 PM : Industry Partner Talk by Siemens Healthineers - Functional CT Imaging: CT Myocardial Perfusion and FFR-CT Ms Chin Wai Leng</p> <p>3.45 PM - 4.10 PM : Cardiac CT Anatomy: Coronaries and Structures Dr Rositaa Mohd Ibrahim</p>	<p>4.10 PM - 4.35 PM Cardiac CT: How to Report and Apply CAD-RADS? Dr Noor Khairiah A. Karim</p> <p>4.35 PM - 5.00 PM Cardiac Calcifications in CT Imaging and Basic TAVI Reporting Dr Hazrini Abdullah</p> <p>5.00 PM - 5.25 PM Cardiac and Pericardial Masses on Cardiac CT Dr Sharifah Intan Shafina Syed Abas</p> <p>5.25 PM - 5.50 PM Congenital Heart Disease: Diagnosis on Cardiac CT Dr Khairi Amir Sayuti</p> <p>5.50 PM - 6.25 PM Closing Remark Dr Sharifah Intan Shafina Syed Abas Moderator</p>
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COMPLIMENTARY REGISTRATION  
For 100 COR members. Participation is strictly with registration only.  
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