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“Cardiac PET/CT and Coronary CTA  
Lecture & Workshop”

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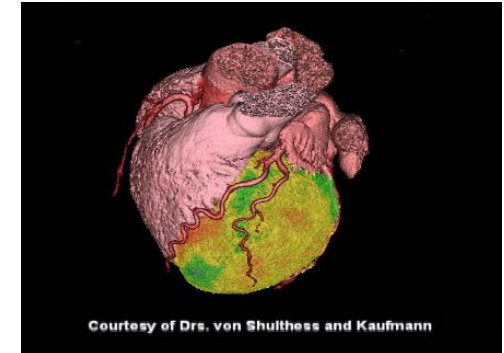
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**Cardiac Care Critique**  
602 Audubon Ave, Suite B  
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## Cardiac PET/CT and Coronary CTA Lecture & Workshop

**Dr. Marcelo Fernando DiCarli with  
Dr. Eric E. Harrison**



A two DVD Teaching Program which  
integrates function and anatomy  
with the use of PET/CT and  
coronary CTA as  
Multimodality Imaging  
Three CME credit hours.

### Presented by

**Cardiac Care**



**Critique**



**Dr. Marcelo Fernando DiCarli, M.D.**, Chief, Division of Nuclear Medicine-PET, Director of Cardiovascular Imaging, Radiology, Brigham and Women's Hospital, Boston and **Dr. Eric E. Harrison**, Clinical Associate Professor of University of South Florida present this two hour educational program.



### Target Audience

This two DVD program has been developed for Cardiologists, Physicians, Physician Assistants, Radiologists, Nuclear Medicine and Radiology Technicians, and Nurses who would like to increase their knowledge of Cardiac PET Computed Tomography and Coronary Computed Tomographic Angiography.

### Educational Objectives

#### **Lecture**

- Understand the diagnostic accuracy of coronary CTA
- Understand the technical problems and limitations of coronary CTA
- Compare diagnostic accuracy of SPECT vs PET/CT
- Understand the power of coronary CTA and PET/CT perfusion together with viability imaging for assessing clinical problems

#### **Workshop**

- Learn how to use a rubidium generator
- Learn perfusion PET/CT
- Recognize common artifacts
- Recognize single vessel and multi vessel disease with PET/CT
- Learn protocols for viability assessment with FDG
- Recognize FDG viability assessment patterns with PET/CT

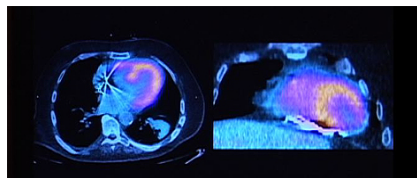
### Lecture

1. Cardiac Imaging choices of SPECT, PET, PET/CT, MDCT, MRI, Echo in terms of indication, information and application
2. Modality-centric vs patient-centric approaches to integrated multidisciplinary imaging
3. Coronary CTA observations, sensitivity, specificity and diagnostic accuracy
4. Technical Issues of CT scanning: artifacts, spatial resolution, temporal resolution, arrhythmias, renal dysfunction i.e. strengths and weaknesses
5. Myocardial Perfusion SPECT scanning: sensitivity, specificity and diagnostic accuracy i.e. strengths and weaknesses
6. PET/CT: sensitivity, specificity and diagnostic accuracy
7. How do we apply current cardiac tests and answer the clinical question, what do we ask from a cardiac imaging test?
8. the power of integrating function and anatomy: perfusion and the extent of disease



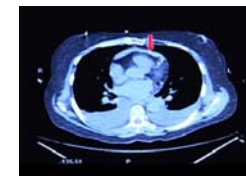
### Workshop

1. Generator and Infusion Systems for Rubidium Generation with the Elution Strategies
2. Cardiac PET/CT Protocols for Rest, Stress, Rubidium 82, Imaging with dipyridamole or dobutamine
3. Artifacts: Emission alignment, metal, and truncation



4. Series of abnormal scans are presented showing ventricular changes indicating LAD, RCA, LCX, OM1, LM or multivessel CAD

5. Quantitative Perfusion Data Imaging
6. Protocols and reasons for use of FDG to assess myocardial viability.
7. FDG images showing matching defect, mismatch defect and reversed mismatched defect
8. Non-cardiac Incidental Findings on CT transmission scans




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### **Accreditation**

#### Physicians

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Education (ACCME) through the sponsorship of the University of South Florida College of Medicine. The USF College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The USF College of Medicine designated this educational activity for a **maximum of 3 category 1 credits** towards the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

#### Nurses

The University of South Florida College of Nursing is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. This activity is for 3.8 contact hours.

#### Radiology Technicians

Application pending.

#### Nuclear Medicine Technicians

Application pending.

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For further information, short clips or to order a DVD set online, please visit our website at

**[www.cardiacarecritique.com](http://www.cardiacarecritique.com)**