

Training Program Description

A. Program Demographics

1. West Virginia University
2. Advanced Cardiac Imaging Fellowship
3. West Virginia University, One Medical Center Drive, PO Box 9157, 4th Floor Southeast Tower, Heart & Vascular Institute
4. Same as 3.
5. 304-598-4651
6. 304-598-6630
7. <http://medicine.hsc.wvu.edu/medicine/Cardiology/Education/Cardiology-Fellowship-Program.aspx>
8. jamie.alkire@wvumedicine.org
9. Partho Sengupta, MD
10. Jamie Alkire, Cardiology Fellowships Program Manager

B. Introduction

1. The Cardiac Imaging training program has been in existence since 2017 and has graduated its 1 Imaging fellow the program has had.
2. The Cardiac Imaging training program is a one year program.
3. Fellows who are international medical graduates, must have a current, valid certification from the ECFMG and be eligible for a full and unrestricted license or educational permit to practice medicine in West Virginia.
4. The goal of the WVU Advanced Cardiac Imaging Fellowship is to provide the trainee with the organizational structure and educational experience to fulfill and achieve Level 3 competency requirements in echocardiography (the highest level of expertise in the field) with similar opportunities in other cardiac imaging modalities like cardiac nuclear, CT, and CMR.

C. Resources

1. Teaching Staff
 - i. Partho Sengupta, MD
 - ii. James Mills, MD
 - iii. Sudarshan Balla, MD
 - iv. Abnash Jain, MD

- v. Sameer Raina, MD
- vi. Yasmin Hamirani, MD
- vii. Irfan Zeb, MD

2. Responsibilities of Teaching Staff

- i. The teaching and supervisory work during the trainee's fellowship will cover 3 aspects of clinical echocardiography: 1.) image acquisition, 2.) image interpretation, and 3.) study reporting. The fellows will be monitored and supervised by the teaching staff on all rotations.
- ii. Teaching staff is responsible for providing verbal and written feedback to the fellows. Faculty assume ultimate responsibility for the performance and interpretation of all imaging modalities.

3. Facilities

- i. Ruby Memorial Hospital (West Virginia University Hospitals)
- ii. West Virginia University Heart and Vascular Institute

D. Educational Programs (Basic Curriculum)

- 1. Each Cardiac Imaging fellow is assigned a one-half to one day per week outpatient continuity clinic in which they see and evaluate new and return patients with cardiovascular disease.
 - i. Each fellow will have the opportunity to work with mentors for publications, abstracts presentations, and research projects.
- 2. Determine appropriateness of all patients referred for advanced cardiology imaging, perform acquisition of TTE and TEE, interpret results of imaging tests, and communicate abnormal results to the referring physicians (and the patient when appropriate) and provide suggested plan of care.
- 3. Didactics
 - i. The Cardiac Imaging fellows are required to attend weekly conferences: Cardiology Grand Rounds, Interventional Grand Rounds, Clinical Case Conferences, EKG's & Questions Conferences, and Cardiac Imaging Conference. In addition, they are required to attend a monthly research conference.

E. Evaluation

1. Feedback is provided during and at the end of the rotation. Supervision is direct/indirect with direct supervision immediately available.
2. Fellows will be evaluated by their supervising attending physician(s) using a competency-based system. An evaluation is sent out via the electronic web based system, E-Value, to each supervising faculty member. At the same time, the fellow is sent an electronic evaluation to complete on the rotation and supervising physician.



Partho Sengupta, MD
Program Director, Advanced Cardiac Imaging Fellowship