

Problem Identification

- General Cardiology Fellowship to prepare cardiology trainees at a high level of clinical performance in general cardiology
- Minimum and optimal characteristics of a general cardiology post-graduate train program
- Target start July 1, 2022 or possibly 2023

Needs Assessment

- ACGME program requirements
- COCATS 4 Level 1 and Level 2 training recommendations
- Review general cardiology fellowship curriculum from BUMC Dallas and MCFW
- BASH stakeholders needs
- Literature search to identify best practices and state-of-the-art learning tools and techniques
- University partnerships

Stakeholders

- Chief Executive Officer (CEO) Mike Sanborn
- Director of Medical Education Leslie Phillips
- Designated Institutional Official Kip Hinkle
- University partner(s) administration
- General Cardiology Program Director
- Interventional Cardiology Program Director
- Electrophysiology Program Director
- General Cardiology Key Faculty
- General Cardiology Fellows
- Internal Medicine Program Director Chris Rheams, MD
- Internal Medicine Residents
- BUMC General Cardiology Program Director Peter McCullough, MD
- ACGME and ACC

ALL SAINTS MEDICAL CENTER

Baylor Scott & White All Saints Hospital – General Cardiology Fellowship Curriculum Scott Ewing, DO

Goals and Objectives

- Prepare the trainees to function at a high level of clinical performance in general cardiology
- Development of appropriate clinical judgment in clinical and hospital cardiology care of adults
- High level of technical skill in performing associated cardiac procedures
- Four components:
- 1. Understand the effectiveness and limitations of state-of-the-art cardiology care in order to select patients and care plans appropriately.
- 2. Achieve the appropriate cognitive knowledge and technical skills needed to provide adult cardiology care at the level of quality attainable through the present state-of-the-art.
- 3. Foster an attitude of life-long learning and critical thinking skills needed to gain from experience and incorporate new developments.
- 4. Understand and commit to quality assessment and improvement in cardiology care.

ACGME Core Competencies

- Medical knowledge
- Patient care and procedural skill
- Systems-based practice
- Practice-based learning and improvement
- Professionalism
- Interpersonal and communication skills

COCATS 4 Task Forces

- Ambulatory, Consultative, and Longitudinal Cardiovascular Care
- Preventive Cardiovascular Medicine
- Electrocardiography, Ambulatory Electrocardiography, and Exercise Testing
- Multimodality Imaging
- Echocardiography
- Nuclear Cardiology
- Cardiovascular Computer Tomographic Imaging
- Cardiovascular Magnetic Resonance Imaging
- Vascular Medicine
- Cardiac Catheterization
- Arrhythmia Diagnosis and Management, Cardiac Pacing, and Electrophysiology
- Heart Failure
- Critical Care Cardiology
- Care of Adult Patients with Congenital Heart Disease
- Cardiovascular Research and Scholarly Activity

Calendar of Rotations

- Hospital Inpatient and Consults / Cardiovascular Intensive Care Unit
- Echocardiography
- Cardiac Catheterization Laboratory
- Electrophysiology Inpatient and Consults
- Nuclear Cardiology
- Cardiac CT / Magnetic Resonance Imaging
- Vascular Medicine
- Congenital Heart Disease
- Heart Failure / Transplant
- Electives
- Outpatient Continuity Clinic

This work was supported in whole or in part by a grant from the Texas Higher Education Coordinating Board (THECB). The opinions and conclusions expressed in this document are those of the author(s) and do not represent the opinions or policy of THECB.

Procedures and Didactics

Procedures:

- Right and left heart catheterization
- Cardioversion
- Temporary pacemakers
- Management PPM and ICDs
- Exercise stress testing/Echocardiography/ECGs
- Nuclear cardiology and cardiac MRI
- Pericardiocentesis

Didactics:

- General Cardiology
- Electrophysiology
- Echocardiography
- Nuclear / PET / CT Imaging
- Cath Lab Conference
- Morbidity and Mortality Conference

References

- ACGME Program Requirements for Graduate Medical Education in Cardiovascular Disease (Subspecialty of Internal
- Halperin JL, Williams ES, Fuster V. COCATS 4 Introduction. J Am Coll Cardiol. 2015;65(17):1724-1733.
- Fuster V, Halperin JL, Williams ES, et al. COCATS 4 Task Force 1: Training in Ambulatory, Consultative, and Longitudinal Cardiovascular Care. J Am Coll Cardiol. 2015;65(17):1734-1753.
- Smith SC, Jr., Bittner V, Gaziano JM, et al. COCATS 4 Task Force 2: Training in Preventive Cardiovascular Medicine. J Am Coll Cardiol. 2015;65(17):1754-1762.
- Balady GJ, Bufalino VJ, Gulati M, Kuvin JT, Mendes LA, Schuller JL. COCATS 4 Task Force 3: Training in Electrocardiography, Ambulatory Electrocardiography, and Exercise Testing. J Am Coll Cardiol. 2015;65(17):1763-
- Narula J, Chandrashekhar YS, Dilsizian V, et al. COCATS 4 Task Force 4: Training in Multimodality Imaging. J Am Coll Cardiol. 2015;65(17):1778-1785.
- Ryan T, Berlacher K, Lindner JR, Mankad SV, Rose GA, Wang A. COCATS 4 Task Force 5: Training in Echocardiography. J Am Coll Cardiol. 2015;65(17):1786-1799.
- Dilsizian V, Arrighi JA, Cohen RS, Miller TD, Solomon AJ, Udelson JE. COCATS 4 Task Force 6: Training in Nuclear Cardiology. J Am Coll Cardiol. 2015;65(17):1800-1809.
- Garcia MJ. Blankstein R. Budoff MJ, et al. COCATS 4 Task Force 7: Training in Cardiovascular Computed Tomographic Imaging. J Am Coll Cardiol. 2015;65(17):1810-1821.
- 10. Kramer CM, Hundley WG, Kwong RY, Martinez MW, Raman SV, Ward RP. COCATS 4 Task Force 8: Training in Cardiovascular Magnetic Resonance Imaging. J Am Coll Cardiol. 2015;65(17):1822-1831.
- 11. Creager MA, Gornik HL, Gray BH, et al. COCATS 4 Task Force 9: Training in Vascular Medicine. J Am Coll Cardiol. 2015;65(17):1832-1843.
- 12. King SB, 3rd, Babb JD, Bates ER, et al. COCATS 4 Task Force 10: Training in Cardiac Catheterization. J Am Coll Cardiol. 2015;65(17):1844-1853.
- 13. Calkins H, Awtry EH, Bunch TJ, Kaul S, Miller JM, Tedrow UB. COCATS 4 Task Force 11: Training in Arrhythmia Diagnosis and Management, Cardiac Pacing, and Electrophysiology. J Am Coll Cardiol. 2015;65(17):1854-1865.
- 14. Jessup M, Ardehali R, Konstam MA, et al. COCATS 4 Task Force 12: Training in Heart Failure. *J Am Coll Cardiol.* 2015;65(17):1866-1876.
- 15. O'Gara PT, Adams JE, 3rd, Drazner MH, et al. COCATS 4 Task Force 13: Training in Critical Care Cardiology. J Am Coll Cardiol. 2015;65(17):1877-1886.
- 16. Warnes CA, Bhatt AB, Daniels CJ, Gillam LD, Stout KK. COCATS 4 Task Force 14: Training in the Care of Adult Patients With Congenital Heart Disease. J Am Coll Cardiol. 2015;65(17):1887-1898.
- 17. Harrington RA, Barac A, Brush JE, Jr., et al. COCATS 4 Task Force 15: Training in Cardiovascular Research and Scholarly Activity. *J Am Coll Cardiol.* 2015;65(17):1899-1906.

