**New Application: Cardiovascular Disease**

**Review Committee for Internal Medicine**

**ACGME**

**Oversight**

**Participating Sites**

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| Describe the collaborative relationship between the subspecialty program director and the core internal medicine residency director. [PR 1.2.b.] (Limit response to 300 words) |
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| Will the program require fellows to travel more than 60 miles from the primary clinical site for a required rotation? [PR 1.6.a.] | YES  NO |

If yes, describe how the program will ensure that the fellows are not unduly burdened by required rotations at geographically distant sites. (Limit response to 250 words)

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**Resources**

Will the program, in partnership with its Sponsoring Institution:

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| ensure that the program has adequate space available, including meeting rooms, classrooms, examination rooms, and office space? [PR  1.8.a.] | YES  NO |
| ensure that the program has adequate access to computers, visual, and other educational aids? [PR  1.8.a.] | YES  NO |
| ensure that appropriate in-person or remote/virtual consultations, including those done using telecommunication technology, are available in settings in which fellows work? [PR  1.8.b.] | YES  NO |
| provide access to an electronic health record (EHR)? [PR 1.8.c.] | YES  NO |

Explain any “NO” responses. (Limit response to 250 words)

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| How will the program provide fellows with access to training using simulation to support education and patient safety? [PR 1.8.d.] (Limit response to 300 words) |
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Indicate if the following will be present at the primary clinical site:

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| Cardiac catheterization laboratories, including those needed to support the full range of interventional cardiology [PR 1.8.e.1.] | YES  NO |
| Cardiac imaging, including MRI and CT [PR 1.8.e.2.] | YES  NO |
| Cardiac radionuclide laboratories [PR 1.8.e.3.] | YES  NO |
| Echocardiography laboratories (including Doppler and transesophageal echocardiography) [PR 1.8.e.4.] | YES  NO |
| ECG, ambulatory ECG, and exercise testing laboratories [PR 1.8.e.5.] | YES  NO |
| Electrophysiology laboratories [PR 1.8.e.6.] | YES  NO |
| Non-invasive vascular laboratories [PR 1.8.e.7.] | YES  NO |
| Cardiac intensive care unit [PR 1.8.e.8.] | YES  NO |

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| Explain any “NO” responses. (Limit response to 250 words) |
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| Is there an active cardiac surgery program present at the primary clinical site or at a participating site? [PR 1.8.f.] | YES  NO |

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| Explain a “NO” response. (Limit response to 300 words) |
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| Describe how the program will provide fellows with a patient population representative of the broad spectrum of clinical disorders and medical conditions managed by subspecialists in this area, and of the community being served by the program. [PR 1.8.g.] (Limit response to 300 words) |
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**Educational Program**

**ACGME Competencies**

**Patient Care and Procedurals**

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| Will fellows demonstrate competence in the prevention, evaluation, and management of the following? [PRs 4.4.a.1.- 4.4.a.19.]   |  |  | | --- | --- | | Acute coronary syndromes | YES  NO | | Acute myocardial infarction and other acute coronary syndromes | YES  NO | | Arrhythmias | YES  NO | | Cardiomyopathy | YES  NO | | Cardiovascular evaluation of patients undergoing noncardiac surgery | YES  NO | | Right and left heart failure | YES  NO | | Coronary artery disease | YES  NO | | Chronic coronary artery disease | YES  NO | | Diseases of the aorta | YES  NO | | End-of-life (palliative) care | YES  NO | | Heart disease in pregnancy | YES  NO | | Hypertension | YES  NO | | Infections and inflammatory heart disease | YES  NO | | Lipid disorders and metabolic syndrome | YES  NO | | Pericardial disease | YES  NO | | Peripheral vascular disease | YES  NO | | Pulmonary hypertension | YES  NO | | Thromboembolic disorders | YES  NO | | Valvular heart disease | YES  NO |   Will fellows demonstrate competence in the ability to:   |  |  | | --- | --- | | perform diagnostic and therapeutic procedures relevant to their specific career paths? [PR 4.5.a.] | YES  NO | | treat their patients’ conditions with practices that are patient centered, safe, scientifically based, effective, timely, and cost effective? [PR 4.5.b.] | YES  NO |   Explain any “NO” responses. (Limit response to 250 words)   |  | | --- | | Click or tap here to enter text. |   Indicate whether fellows will demonstrate competence in the performance or interpretation of the listed procedures. Provide numbers of procedures where required. [PRs 4.5.c.- 4.5.l.1.]   |  |  | | --- | --- | | Basic programming and management of cardiovascular implantable electronic devices | YES  NO | | Direct current cardioversion | YES  NO | | How many direct current cardioversions will each fellow perform during the program? | # | | Echocardiography | YES  NO | | How many echocardiography studies will each fellow perform during the program? | # | | How many echocardiography studies will each fellow interpret during the program? | # | | Exercise stress testing | YES  NO | | How many exercise stress tests will each fellow perform during the program? | # | | Moderate sedation | YES  NO | | Placement and management of temporary pacemakers, including transvenous and transcutaneous instruction provided? | YES  NO | | Right and left heart catheterization, including coronary ateriography | YES  NO | | How many right and left heart catheterizations will each fellow perform during the program? | # | | Interpretation of ambulatory ECG recordings | YES  NO | | Interpretation of electrocardiograms | YES  NO | | How many electrocardiograms will each fellow interpret during the program? | # | | Interpretation of nuclear cardiology studies | YES  NO | | How many nuclear cardiology studies will each fellow interpret during the program? | # |  |  |  | | --- | --- | | Will fellows be supervised by a qualified faculty member until they attain proficiency in performing required procedures? [PR 4.11.j.] | YES  NO |  |  |  | | --- | --- | | Will fellows’ performance and interpretation of procedures be documented in the fellow’s record, including indications, outcomes, diagnoses, and supervisor(s)? [PR 4.11.k.] | YES  NO |   Explain any “NO” responses. (Limit response to 250 words)   |  | | --- | | Click or tap here to enter text. |   **Medical Knowledge**  Will fellows demonstrate sufficient knowledge in the following areas?   |  |  | | --- | --- | | Cardiovascular anatomy [PR 4.6.a.1.] | YES  NO | | Cardiovascular metabolism [PR 4.6.a.2.] | YES  NO | | Cardiovascular pathology [PR 4.6.a.3.] | YES  NO | | Pharmacology, to include drug metabolism, adverse effects, indications, the effects on aging, relative costs of therapy, and the effects of non-cardiovascular drugs on cardiovascular function. [PR 4.6.a.4.] | YES  NO | | Cardiovascular physiology [PR 4.6.a.5.] | YES  NO | | Genetic causes of cardiovascular disease [PR 4.6.a.6.] | YES  NO | | Molecular biology of the cardiovascular system [PR 4.6.a.7.] | YES  NO |   Will fellows demonstrate sufficient knowledge in the primary and secondary prevention of cardiovascular disease, including:   |  |  | | --- | --- | | Biostatistics [PR 4.6.b.1.] | YES  NO | | Clinical Epidemiology [PR 4.6.b.2.] | YES  NO | | Cardiac rehabilitation [PR 4.6.b.3.] | YES  NO | | Current and emerging risk factors [PR 4.6.b.4.] | YES  NO | | Cerebrovascular disease [PR 4.6.b.5.] | YES  NO |   Will fellows demonstrate sufficient knowledge in the evaluation and management of the following?   |  |  | | --- | --- | | Adult congenital heart disease [PR 4.6.b.7.] | YES  NO | | Cardiac trauma [PR 4.6.b.8.] | YES  NO | | Cardiac tumors [PR 4.6.b.9.] | YES  NO | | Cererbrovascular disease [PR 4.6.b.10.] | YES  NO | | Geriatric cardiology [PR 4.6.b.11.] | YES  NO | |

**Practice-Based Learning and Improvement**

Briefly describe how fellows will demonstrate competence in investigating and evaluating their care of patients, appraising and assimilating scientific evidence, and continuously improving their patient care based on self-evaluation and lifelong learning. [PR 4.7.] (Limit response to 400 words)

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**Interpersonal and Communication Skills**

Briefly describe how fellows will develop skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals. [PR 4.8.] (Limit response to 400 words)

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**Systems-Based Practice**

Briefly describe how fellows will demonstrate an awareness of and responsiveness to the larger context and system of health care, including the structural and social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care. [PR 4.9.] (Limit response to 400 words)

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**Curriculum Organization and Fellow Experiences**

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| How many months of clinical experience, including inpatient and special experiences will the fellowship program provide for each fellow? [PR 4.11.a.1.] | # |
| How many months of experience will the fellowship program provide for each fellow in the cardiac catheterization laboratory? [PR 4.11.a.2.] | # |
| How many months of experience will the fellowship program provide each fellow in echocardiography? [PR 4.11.a.3.a.] | # |
| How many months experience will the fellowship program provide for each fellow in cardiac imaging, to include nuclear cardiology, CT imaging, and MRI? [PR 4.11.a.3.b.] | # |
| How many months of experience will the fellow devote to electrophysiology? [PR 4.11.a.4.] | # |
| How many months of non-laboratory clinical practice activities (e.g., outpatient cardiology, inpatient cardiology, consultation services, vascular medicine, cardiac clinic,) will the fellowship program provide for each fellow? [PR 4.11.a.5.] | # |

Will the program provide fellows with formal instruction and clinical experience in the performance of the following?

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| Mechanical hemodynamic and circulatory support devices [PR 4.11.b.] | YES  NO |
| Interventional electrophysiologic procedures [PR 4.11.c.] | YES  NO |
| Interventional procedures [PR 4.11.d.] | YES  NO |

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| Will the program provide fellows individualized educational experiences to allow them to participate in opportunities relevant to their future practice or to further skill/competency development in the foundational educational experiences in the subspecialty? [PR 4.11.f.] | YES  NO |

Explain “NO” response. (Limit response to 250 words)

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**Continuity Ambulatory Clinic Experiences**

Provide information for the fellows' continuity experience and patient distribution for all years of training. List each experience indicating the name of the experiences (e.g., Continuity Clinic, Other), duration of the experience, number of ½ day sessions per week, average number of patients seen per session, whether faculty supervision is provided for each experience, and the percent of female patients. [PR 4.11.e.]

|  | **Site #1** | **Site #2** | **Site #3** | **Site #4** | **Site #5** | **Site #6** |
| --- | --- | --- | --- | --- | --- | --- |
| Name of Experience: | Experience | Experience | Experience | Experience | Experience | Experience |
| Duration (weeks): | # | # | # | # | # | # |
| ½ day sessions per week: | # | # | # | # | # | # |
| Average patients seen per session: | # | # | # | # | # | # |
| On-site concurrent faculty supervision present? | Y  N | Y  N | Y  N | Y  N | Y  N | Y  N |
| % Female: | # % | # % | # % | # % | # % | # % |

**OTHER AMBULATORY EXPERIENCE**

Provide information for the fellows' other ambulatory experience and patient distribution for all years of training. List each experience indicating the name of the experiences (e.g., Continuity Clinic, Other), site name, duration of the experience, number of ½ day sessions per week, average number of patients seen per session, whether faculty supervision is provided for each experience, and the percent of female patients. [PR 4.11.e.]

|  | **Site #1** | **Site #2** | **Site #3** | **Site #4** | **Site #5** | **Site #6** |
| --- | --- | --- | --- | --- | --- | --- |
| Name of Experience: | Experience | Experience | Experience | Experience | Experience | Experience |
| Duration (weeks): | # | # | # | # | # | # |
| ½ day sessions per week: | # | # | # | # | # | # |
| Average patients seen per session: | # | # | # | # | # | # |
| On-site concurrent faculty supervision present? | Y  N | Y  N | Y  N | Y  N | Y  N | Y  N |
| % Female: | # % | # % | # % | # % | # % | # % |

**Didactic Experience**

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| Briefly describe the conduct of Core Curriculum Conference Series in your program. [PR 4.11.g.] |
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Describe how the program will ensure that fellows have an opportunity to review all knowledge content from conferences that they were unable to attend. [PR 4.11.g.1.] (Limit response to 300 words)

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| Will the faculty participate in required conferences? [PR 2.7.d.] | YES  NO |

Describe the program’s patient- or case-based approach to clinical teaching. [PR 4.11.h.] (Limit response to 300 words)

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Describe how the fellows will receive instruction in practice management relevant to the subspecialty. [PR 4.11.i.] (Limit response to 300 words)

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**Evaluation**

**Fellow Evaluation**

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| Describe the method for assessment of procedural competence. [PR 5.1.h.] |
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| Will the program use multi-source evaluation, including patients, peers, and non-physician team members, to assess each fellow's ability to meet professional responsibilities? [PR 5.1.b.1.] | YES  NO |

**Faculty Evaluation**

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| Will these evaluations be written and confidential? [PR 5.4.b.] | YES  NO |
| Will the results of these evaluations be communicated on a regular basis, at least annually, to faculty members? [PR 5.4.c.] | YES  NO |