



AMERICAN OSTEOPATHIC ASSOCIATION

**Specific Basic Standards for
Osteopathic Fellowship Training in
Cardiac Electrophysiology**

**American Osteopathic Association
and
American College of Osteopathic Internists**

BOT Rev. 2/2011

These specific basic standards are part of the *Common Basic Standards for Fellowship Training in Internal Medicine Subspecialties*, which govern and define training in all medical subspecialties. These requirements are in addition to all requirements in the *Common Basic Standards*.

IV INSTITUTIONAL REQUIREMENTS

- 4.1 The base institution or an affiliate must have an electrophysiology laboratory.
- 4.2 The base institution or an affiliate must have a cardiac catheterization laboratory.
- 4.3 The base institution or an affiliate must perform cardiac surgery.
- 4.4 The base institution or an affiliate must have equipment and facilities for placement of permanent pacemakers, implantable defibrillators and biventricular pacemakers.
- 4.5 The base institution or an affiliate must have equipment and facility for atrial mapping and arrhythmia ablation.
- 4.6 The base institution or an affiliate must have an AOA or ACGME-accredited fellowship in cardiology.

V PROGRAM REQUIREMENTS AND CONTENT

A. Program Duration

- 5.1 The duration of the fellowship program in cardiac electrophysiology must be 12 months in duration after completion of a three year cardiology fellowship.

B. Medical Knowledge

- 5.2 The fellow must have learning activities in basic electrophysiology to include formation and propagation of normal and abnormal impulses, autonomic nervous system control of cardiac electrical activity, mechanisms of arrhythmias and conduction disturbances.
- 5.3 The fellow must have learning activities in evaluation and management of patients in ambulatory and hospital settings who have clinical syndromes resulting from brady and tachyarrhythmias.
- 5.4 The fellow must have learning activities in indications for and selection of permanent pacemakers.
- 5.5 The fellow must have learning activities in pacemaker interrogation and troubleshooting.
- 5.6 The fellow must have learning activities in pharmacology, pharmacokinetics, and use of antiarrhythmic agents.
- 5.7 The fellow must have learning activities in interpretation of electrophysiologic studies, ambulatory monitoring, and electrocardiograms including signal averaged EKGs.
- 5.8 The fellow must have learning activities in interpretation and application of key clinical trials as identified by the program director.

C. Patient Care

- 5.9 The fellow must have training and experience in catheter and intra-operative mapping procedures
- 5.10 The fellow must have training and experience in catheter and surgical ablations.
- 5.11 The fellow must have training and experience in trans-septal perforation techniques.

- 5.12 The fellow must have training and experience in insertion of single and dual chamber pacemakers and implantable defibrillators.
- 5.13 The fellow must have training and experience in external cardioversion and defibrillation.
- 5.14 The fellow must have training and experience in diagnostic electrophysiology studies.
- 5.15 The fellow must have training and experience in implantation of biventricular pacing devices.
- 5.16 The fellow must have training and experience in cardiopulmonary resuscitation.

D. Ambulatory Clinic

- 5.17 The ambulatory experience must include outpatient monitoring of pacemakers, implantable defibrillators, and patients with chronic arrhythmias.
- 5.18 The ambulatory experience must be longitudinal throughout the 12 months of training and must be provided in an ambulatory setting at least one half day per week.

E. Procedural Training Requirements

- 5.19 The fellow must interpret/participate in 150 electrophysiologic evaluations during the fellowship.
- 5.20 The fellow must interpret/participate in 75 ablations, non atrial fibrillations during the fellowship.
- 5.21 The fellow must interpret/participate in 35 atrial fibrillation ablations during the fellowship.
- 5.22 The fellow must interpret/participate in 25 ICD implantations during the fellowship.
- 5.23 The fellow must interpret/participate in 25 CRT (Biventricular pacing) during the fellowship.
- 5.24 The fellow must interpret/participate in 25 dual chamber pacemakers during the fellowship.
- 5.25 The fellow must interpret/participate in 30 pacemaker/device revisions during the fellowship.
- 5.26 The fellow must interpret/participate in 20 pacemaker/device interrogations during the fellowship.