

Electrophysiology Rotation for General Cardiology Fellows

Welcome to the Department of Clinical Cardiac Electrophysiology. The goals for your rotation are as follows:

1. Broad appreciation for the clinical practice of electrophysiology.
2. Understanding cardiac rhythm device basics
 - a. Pacemaker/ICD implant techniques, preoperative assessment, operative technique, post-operative care.
 - b. Device interrogation and basic familiarity with the programmer's from the three large US device manufacturers.
 - c. Basic pacemaker troubleshooting
 - d. Cardiac defibrillators. Indications for implant, implant techniques, basic device interrogation and programming.
3. Office based electrophysiology practice.
4. Understand the indications for electrophysiologic studies. Rationale for conduction system studies, as well as programmed atrial/ventricular stimulation.
5. Understand the role for catheter based techniques in treatment for a range of supraventricular/ventricular arrhythmias.
6. Atrial fibrillation ablation, indications, technique, appropriate patient selection.
7. Understand the process for elective cardioversion, risks, benefits and appropriate anaesthesia requirements. This will be the time to fulfill your procedure log requirements for cardioversion.

With these goals in mind, the schedule for your rotation is as follows. Keep in mind that the electrophysiology day promptly begins at 0745am for morning report. On Wednesdays, we meet at 0700 for the weekly EP conference.

Monday:	0745 – morning report	
	0800-1200	Device clinic/Cardioversions as needed.
	1300-1800	Observation/Direct participation in procedures. Consultations to be seen as they are received (split amongst all fellows).
Tuesday	0745 – morning report	
	800-1200	Observation/Direct participation in procedures/Cardioversion
	1300-1800	Observation/Direct participation in procedures/Consults
Wednesday	0700-0800	– EP weekly conference
	0800-1200	Device Clinic/Cardioversions/Consults
	1300-1800	Consults/Direct Observation of Procedures.
Thursday	0800-0900	Cardiac Catheterization Conference
	0900-1200	Clinic with Dr. Kenneth Ellenbogen, ACC 4 th Floor
	1300-1800	Procedural observation/participation, consults

Friday	0745	Morning report
	800-1200	Cardioversions/Device clinic with Dr. Kalahasty
	1300-1800	Afternoon clinic with Dr. Kalahasty

This schedule is subject to change, but give you a general idea of the daily structure. Currently both EP fellows are second year, so you do have the opportunity to scrub some of the pacemaker/ICD cases if you desire. This is highly recommended to give you some idea of the technical details of implantation.

You should make every effort to read during your downtime. Some suggestions are as follows

1. Fogoros, Electrophysiologic Testing (pick up fellows copy at the VA, return to the VA)
2. Ellenbogen, Wood, Cardiac Pacing and ICDs. Blackwell 2008. Chapters 1,2,6,8. In fellows office.
3. Issa, Miller Zipes. Chapter 2: Electrophysiologic Testing, in Clinical Arrhythmology and Electrophysiology. Saunders 2009. In Fellows Office.
4. Myerburg et. al. Indications for ICDs based on Evidence and Judgement, JACC, 2009;54:747-763.

Hope your rotation gives you a good feel for the clinical practice of electrophysiology.