

PROTOCOL FOR: Implanted Electronic Cardiac Devices: Perioperative Care of Patients with

- POLICY:**
1. All patients will be assessed for the presence of implanted devices by H&P review and patient interview.
 2. The H&P should include:
 - a. the manufacturer of the implanted cardio-defibrillator (ICD) / pacemaker (e.g., Medtronic, Boston Scientific (Guidant), St. Jude. If there is any question about the manufacturer or device, the patient's cardiologist (preferably) or the manufacturer should be contacted;
 - b. whether or not the patient is pacemaker-dependent.
 3. The surgeon's scheduler will communicate any information about patients who have ICDs/pacemakers when booking their procedure. This information will be entered into the Case Comments portion of the Scheduling Module.
 4. The preoperative nursing staff will note relevant information on the Face Sheet of the chart and will notify the Preoperative Evaluation Center about any patients with an implanted electronic cardiac device who are scheduled for surgery.

A determination will be made if:

 - a. a magnet can be used safely by the anesthesiology staff, or
 - b. Electrophysiology or the manufacturer's representative is needed for de-programming and subsequent interrogation / re-programming of the device
 5. The nursing and anesthesiology staff will verify the presence of Electrophysiology provider or the manufacturer's representative on the day of surgery, as needed.
 6. Transthoracic pacing and magnets are available in the OR (heart tower/cart) and PACU (defibrillator cart) for emergencies.
 7. Continuous ECG monitoring of the patient will be provided intraoperatively and postoperatively.
 8. As necessary, Electrophysiology or the health care industry representative will interrogate / reprogram the unit preoperatively and interrogate postoperatively. This is generally necessary only for patients with an ICD who are also pacemaker-dependent or in cases where monopolar cautery was used within 6 inches of the device.
 9. The Electrophysiology Department staff are available in house as a resource during weekly business hours for consultation and service.

DESIRED PATIENT

- OUTCOME:**
1. The patient with an implanted electronic cardiac device will undergo a safe surgical procedure.

PROTOCOL FOR: Implanted Electronic Cardiac Devices: Perioperative Care of Patients
with

APPROVAL: Nursing Standards Committee
Department of Anesthesiology
Department of Electrophysiology

EFFECTIVE DATE: 6/04

REVISION DATES: 4/06, 7/07, 2/08, 11/08