

MGH DACCPM Perioperative EP Training Interrogation Document

Date/Time: \_\_\_\_\_

Device Type: Pacer BiV Pacer(CRT-P) ICD BiV ICD(CRT-D)

Implant Date: \_\_\_\_\_

Device Manufacturer: Medtronic St Jude Boston Scient Biotronik

Model # \_\_\_\_\_

O Events or Alerts:

O Battery Life: \_\_\_\_\_ years remaining Last Charge Time: \_\_\_\_\_

O Pacing percentages: AS VS \_\_\_\_ % AP VS \_\_\_\_ % AS VP \_\_\_\_ % AP VP \_\_\_\_ % Total VP \_\_\_\_ %

O Pacer Mode: \_\_\_\_\_ LRL: \_\_\_\_\_ MTR \_\_\_\_\_ MSR: \_\_\_\_\_ RV/LV (delay): \_\_\_\_\_

O Pacer Settings: PAV \_\_\_\_ ms SAV \_\_\_\_ ms PVARP \_\_\_\_ ms PVAB \_\_\_\_ ms VRP \_\_\_\_ ms PAVB \_\_\_\_ ms

O Mode Switch ON OFF Activation rate: \_\_\_\_\_ Mode: \_\_\_\_\_ Paced Rate: \_\_\_\_\_

O ICD Settings: VF detect rate \_\_\_\_\_ Therapy \_\_\_\_\_

FVT detect rate \_\_\_\_\_ Therapy \_\_\_\_\_

VT detect rate \_\_\_\_\_ Therapy \_\_\_\_\_

O Define Magnet Response: Pacer: \_\_\_\_\_ ICD: \_\_\_\_\_

O Pacer Dependence: \_\_\_\_\_ Underlying Rhythm—by EKG \_\_\_\_\_

Lead Tests	<u>Impedance</u>	<u>P/R-wave Amp.</u>	Sens. Setting	<u>Capture Thresh</u>	Prog. Output
RA Lead	_____ ohms	_____ mV	_____ mV	AS _____ V @ _____ ms	_____ V @ _____ ms A
RV Lead	_____ ohms	_____ mV	_____ mV	AS _____ V @ _____ ms	_____ V @ _____ ms A
LV lead	_____ ohms	_____ mV		_____ V @ _____ ms	_____ V @ _____ ms
HV lead(s)	_____ ohms			AS—Auto Sense	A—Auto Capture

O Assess Special Settings: check box if present

- ☐ Rate Response Mode—what type of sensor (accelerometer, minute vent., CLS):
- ☐ Sleep or Rest Mode or Night Rate or Hysteresis (specific settings):
- ☐ Auto Drop Rate:
- ☐ MVP, RHYTHMIQ, VIP, IRS (minimizing ventricular pacing programs):

O Assessment:

O Changes Made: Pacing Mode/Rate: \_\_\_\_\_

ICD Anti-tachy Functions: \_\_\_\_\_

O Final Review of Settings: Output &gt; Thresholds by 2X, Sensitivity &lt; P-wave and R-wave Amplitudes 2X

O Post Op Requirements: Reset Settings Full Interrogation None unless intraop issue

O Complete EP Report form and place programmer report into paper chart

Physician Signature: \_\_\_\_\_

MGH DACCPM Perioperative Electrophysiology Service

## Post Op Assessment:

Intraop Problems: None Yes: \_\_\_\_\_

Lead tests performed: Yes Not indicated

Lead Tests	<u>Impedance</u>	<u>P/R-wave Amp.</u>	Sens. Setting	<u>Capture Thresh</u>	Prog. Output
RA Lead	_____ohms	_____mV	_____mV	AS _____V @_____ms	_____V @_____ms A
RV Lead	_____ohms	_____mV	_____mV	AS _____V @_____ms	_____V @_____ms A
LV lead	_____ohms	_____mV		_____V @_____ms	_____V @_____ms
HV lead(s)	_____ohms			AS—Auto Sense	A—Auto Capture

Baseline Settings Resumed? Pacemaker:

ICD:

Any additional follow up required?

Physician Signature: \_\_\_\_\_ Date/Time: \_\_\_\_\_

## Interrogation Process:

1. Obtain prior Pacer/ICD report if available
2. Place programmer's EKG leads on the patient and preferably have patient monitored
3. Start programmer session
4. Print Baseline Settings
5. Interrogation
  - a. Events or Alarms
  - b. Review general device settings and lead measurements (today's and trends)
  - c. Record the required settings on the EP Training Document
  - d. Determine and record patient's underlying rhythm
  - e. Measure and record lead impedances
  - f. Measure and record sensed P waves and R waves if applicable
  - g. Measure and record atrial and ventricular (RV and or LV) capture thresholds
  - h. Search for Special Settings (e.g., Rate Response Mode or Sleep Mode)
  - i. Make any indicated device changes
  - j. Print Final Report and test results
  - k. Complete MGH EP Lab document and place Yellow Copy into chart along with interrogation reports generated by the programmer
  - l. Enter the patient info into our EP Management Log Book

## Contact Information

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