MGH DACCPM Perioperative EP Training Interrogation Document Date/Time:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Device Type: Pacer BiV Pacer(CRT-P) ICD BiV ICD(CRT-D) Impant Date:\_\_\_\_\_\_\_\_\_\_\_\_

Device Manufacturer: Medtron 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 **Impedance P/R-wave Amp**. Sens. Setting **Capture Thresh** 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 > Thresholds by 2X, Sensitivity < 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:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Post Op Assessment:

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

Lead tests performed: Yes Not indicated

Lead Tests **Impedance P/R-wave Amp**. Sens. Setting **Capture Thresh** 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
   1. Events or Alarms
   2. Review general device settings and lead measurements (today’s and trends)
   3. Record the required settings on the EP Training Document
   4. Determine and record patient’s underlying rhythm
   5. Measure and record lead impedances
   6. Measure and record sensed P waves and R waves if applicable
   7. Measure and record atrial and ventricular (RV and or LV) capture thresholds
   8. Search for Special Settings (e.g., Rate Response Mode or Sleep Mode)
   9. Make any indicated device changes
   10. Print Final Report and test results
   11. Complete MGH EP Lab document and place Yellow Copy into chart along with interrogation reports generated by the programmer
   12. Enter the patient info into our EP Management Log Book

Contact Information

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