Cardiology Order Form

Boston Scientific
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Off-Label MRI Scan

PATIENT NAME D.O.B.

An MRI scan has been requested for this patient. Because **NOT ALL CONDITIONS OF USE HAVE BEEN MET**, the scan is off-label. Boston Scientific labeling warns of potential risks for off-label MRI scans and does not promote nor encourage this use.

RESOURCES

- Boston Scientific MRI Technical Guide, ImageReady™ MR-Conditional Pacing System, Transvenous Defibrillation System, and S-ICD System
- www.BostonScientific.com/imageready
- Boston Scientific Technical Services Hotline 1800 245 559 (Australia), 0800 742 678 (New Zealand)

IMPLANTED CARDIAC DEVICE / LEAD MODEL #s

	DEVICE	ATRIAL LEAD	RV LEAD	LV LEAD	S-ICD ELECTRODE
Pacemaker					
CRT-P					
Transvenous ICD					
CRT-D					
S-ICD					

NOTE The device-following clinician to order device programming parameters. See BSC programming options below and on reverse side for device programming parameters during MRI scan.

The following information is in response to an order for an MRI scan for a patient with a BSC system that is off-label. This information is provided to aid the clinician in ordering device programming and is intended solely to answer questions to help ensure patient readiness and safety.

SELECT 1 of 3 **PACEMAKER** Options

1 Pacing Parameters — Select ☐ *or*

Pacing Mode ☐ DOO ☐ VOO ☐ AOO ☐ DDI ☐ VVI ☐ AAI ☐ DDD ☐ VDD ☐ Pacing OFF
Pacing Rate _____ PPM or ☐ 10 PPM above patient intrinsic
AV Delay _____ ms RV Amplitude _____V@_____ ms PW Atrial Amplitude _____V@ _____ ms PW
☐ Disable magnet response if pacing is enabled. (Recommended)

2 Electrocautery Protection Mode — Select ☐ *or*

- Provides asynchronous pacing in chamber(s) for which 1) normal pacing is enabled; 2) rate is at programmed LRL, output is normal pacing amplitude and pulse width; or 3) no pacing if Brady Pacing is OFF. Magnet function is disabled.

3 MRI Protection Mode — Select ☐

- Provides asynchronous pacing (selectable chambers) at 1) programmable voltage; or 2) no pacing. Magnet function is disabled. AV Delay fixed at 100ms. Pulse Width fixed at 1.0ms.

Pacing Mode ☐ DOO ☐ VOO ☐ AOO ☐ Pacing OFF
Pacing Rate ____ PPM or 10 PPM above patient intrinsic RV Amplitude ____V@1.0 ms PW Atrial Amplitude ____V@1.0 ms PW
MRI Protection Time-out ☐ 3 H ☐ 6 H ☐ 9 H ☐ 12 H ☐ 24 H ☐ 48 H ☐ Time-out OFF

ATTENTION Do not leave the pulse generator in MRI Protection Mode any longer than necessary following the scan.
If MRI Protection Time-out is programmed OFF, and Brady Mode is OFF, the patient will not receive pacing until reprogrammed.

SELECT 1 of 3 **CRT-P** Options

ATTENTION When choosing Brady Mode, consider 1) whether pacing is required; 2) which chamber(s) need to be paced; and 3) risk of worsening heart failure due to loss of CRT and/or AV synchrony.

1 Pacing Parameters — Select ☐ *or*

Ventricular Pacing Chamber ☐ BiV ☐ RV-only Pacing Mode ☐DOO ☐VOO ☐AOO ☐DDI ☐VVI ☐AAI ☐DDD ☐VDD
Pacing Rate _____ PPM or ☐ 10 PPM above patient intrinsic ☐ Pacing OFF
Atrial Amplitude _____V@ _____ms PW AV Delay _____ms
RV Amplitude _____V@ _____ms PW LV Amplitude _____V@ _____ms PW
☐ Disable magnet response if pacing is enabled. (Recommended)

2 Electrocautery Protection Mode — Select ☐

- Provides asynchronous pacing in chamber(s) for which 1) normal pacing is enabled; 2) rate is programmed LRL, output is normal pacing amplitude and pulse width, and pacing is always BiV at zero LV offset; or 3) no pacing if Brady Pacing is OFF. Magnet function is disabled.

3 MRI Protection Mode — Select ☐

- Provides asynchronous pacing (selectable chambers) at 1) programmable voltage; or 2) no pacing. Magnet function is disabled. AV Delay fixed @ 100 ms. Pulse Width fixed for RV/RA @ 1.0 ms, programmable for LV.

Ventricular Pacing Chamber ☐ BiV ☐ RV-only Pacing Mode ☐ DOO ☐ VOO ☐ AOO ☐ Pacing OFF
Pacing Rate _____ PPM or ☐ 10 PPM above patient intrinsic
Atrial Amplitude _____V@ 1.0 ms PW
RV Amplitude _____V@ 1.0 ms PW LV Amplitude _____V@ _____ms PW
MRI Protection Time-out ☐ 3 H ☐ 6 H ☐ 9 H ☐ 12 H ☐ 24 H ☐ 48 H ☐ Time-out OFF

ATTENTION Do not leave the pulse generator in MRI Protection Mode any longer than necessary following the scan.
If MRI Protection Time-out is programmed OFF, and Brady Mode is OFF, the patient will not receive pacing until reprogrammed.

DATE **PHYSICIAN SIGNATURE** **PHYSICIAN NAME**

CRM-569608-AB

SELECT 1 of 3 **TRANSVENOUS ICD** Options

ATTENTION When choosing Brady Mode, consider 1) whether pacing is required; 2) which chamber(s) needs to be paced; and 3) risk of induction of VT / VF with asynchronous ventricular pacing.

1 Pacing Parameters
Select ☐ ***or***

Pacing Mode ☐ DDI ☐ VVI ☐ AAI ☐ DDD ☐ VDD ☐ Pacing OFF ☐ Disable Tachy Therapy (Recommended)
Pacing Rate _____ PPM Atrial Amplitude _____ V@ _____ ms PW AV Delay _____ ms
RV Amplitude _____ V@ _____ ms PW

2 Electrocautery Protection Mode
Select ☐ ***or***

▸ Provides asynchronous pacing in chamber(s) for which 1) normal pacing is enabled; 2) rate is at programmed LRL, output is normal pacing amplitude and pulse width; or 3) no pacing if Brady Pacing is OFF. Tachy Therapy is disabled. Magnet function is disabled.

3 MRI Protection Mode
Select ☐

▸ Provides asynchronous pacing (selectable chambers) at 1) programmable voltage; or 2) no pacing. Tachy Therapy is disabled. Magnet function is disabled. Pulse Width fixed at 1.0ms.

Pacing Mode ☐ DOO ☐ VOO ☐ AOO ☐ Pacing OFF
RV Amplitude _____ V@ 1.0 ms PW Pacing Rate _____ PPM or ☐ 10 PPM above patient intrinsic
Arial Amplitude _____ V@ 1.0 ms PW
MRI Protection Time-out ☐ 3 H ☐ 6 H ☐ 9 H ☐ 12 H ☐ Time-out OFF

Do not leave the pulse generator in MRI Protection Mode any longer than necessary following the scan.

ATTENTION If MRI Protection Time-out is programmed OFF, the patient will not receive Tachy Therapy, and the pacing options are limited to 1) OFF; or 2) asynchronous until the pulse generator is programmed out of MRI Protection Mode and back to normal operation.

NOTE Beeper may no longer be usable following MRI scan.

SELECT 1 of 3 **CRT-D** Options

ATTENTION When choosing Brady Mode, consider 1) whether pacing is required; 2) which chamber(s) needs to be paced; 3) risk of induction of VT / VF with asynchronous ventricular pacing; and 4) risk of worsening heart failure due to loss of CRT and/or AV synchrony.

1 Pacing Parameters
Select ☐ ***or***

Ventricular Pacing Chamber ☐ BiV ☐ RV-only Pacing Mode ☐ DDI ☐VVI ☐ AAI ☐ DDD ☐ VDD ☐ Pacing OFF
Pacing Rate _____ PPM Atrial Amplitude _____ V@ _____ ms PW AV Delay _____ ms
RV Amplitude _____ V@ _____ ms PW LV Amplitude _____ V@ _____ ms PW
☐ Disable Tachy Therapy (Recommended)

2 Electrocautery Protection Mode
Select ☐ ***or***

▸ Provides asynchronous pacing in chamber(s) for which 1) normal pacing is enabled; 2) rate is at programmed LRL; output is normal pacing amplitude and pulse width, and pacing is always BiV at zero LV offset; or 3) no pacing if Brady Pacing is OFF. Tachy Therapy is disabled. Magnet function is disabled.

3 MRI Protection Mode
Select ☐

▸ Provides asynchronous pacing (selectable chambers) at 1) programmable voltage; or 2) no pacing. Tachy therapy is disabled. Magnet function is disabled. AV Delay fixed @ 100 ms. Pulse Width fixed for RV/RA @ 1.0 ms, programmable for LV.

Ventricular Pacing Chamber ☐ BiV ☐ RV-only Pacing Mode ☐ DOO ☐ VOO ☐ AOO ☐ Pacing OFF
Pacing Rate _____ PPM or ☐ 10 PPM above patient intrinsic
Atrial Amplitude _____ V@ 1.0 ms PW
RV Amplitude _____ V@ 1.0 ms PW LV Amplitude _____ V@ _____ ms PW
MRI Protection Time-out ☐ 3 H ☐ 6 H ☐ 9 H ☐ 12 H ☐ Time-out OFF

Do not leave the pulse generator in MRI Protection Mode any longer than necessary following the scan.

If MRI Protection Time-out is programmed to OFF, the patient will not receive Tachy Therapy, and the pacing options are limited to 1) OFF; or 2) asynchronous until the pulse generator is programmed out of MRI Protection Mode and back to normal operation.

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SELECT 1 of 2 **S-ICD** Options

1 Tachy Therapy
Select ☐ ***or***

☐ Disable Tachy Therapy

2 MRI Protection Mode
Select ☐

▸ Tachy Therapy is disabled. Magnet function is disabled.

MRI Protection Time-out ☐ 6 H ☐ 9 H ☐ 12 H ☐ 24 H

Do not leave the pulse generator in MRI Protection Mode any longer than necessary following the scan.

NOTE Beeper may no longer be usable following MRI scan.

DATE _____ **PHYSICIAN SIGNATURE** _____ **PHYSICIAN NAME** _____