

CURONIX

# Freedom<sup>®</sup> Systems

## MRI Instructions for Use

U.S. Version



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# CURONIX

Is driven by the belief that pain **shouldn't control lives**. We're advancing the future of chronic pain treatment for patients and physicians alike through cutting-edge technology solutions.

For patients, it's our dedication to innovative relief, where each device is a testament to a genuine **commitment to help improve lives**. Our story is one of **continuous innovation**, pushing boundaries to **redefine the chronic pain treatment experience**, and a commitment to a culture of trust for patients, physicians, and the **entire chronic pain community**.

Your Pain, **Our Purpose.**<sup>™</sup>

# The Freedom Systems

## Permanent Implant

Freedom Peripheral Nerve Stimulator (PNS) 4-Contact Electrode Array



Freedom Peripheral Nerve Stimulator (PNS) and Spinal Cord Stimulator (SCS) 8-Contact Electrode Array



## The External Components



Wearable

Wearable + Transmitter Assembly



Example

 : The Transmitter Assembly and Wearable Accessory is MR Unsafe; the Transmitter Assembly and/or Wearable Accessory must not enter the MR system room.



# Preparation for MRI

## Important MRI Safety Information

Magnetic resonance imaging (MRI) may be safely performed under certain conditions on a patient with a Freedom Stimulator System (SCS/PNS). However, the Transmitter Assembly unit (i.e., the external transmitter and antenna components of this neuromodulation system) MUST NOT be present in the MRI system room at ANY TIME. Failure to adhere to the specific requirements described in this manual can result in tissue damage, severe injury, or death.

## Preparation for an MRI

The following steps are required before performing an MRI procedure on a patient with an implanted permanent Freedom System:

1. Remove the Transmitter Assembly (the external component of the system) and Wearable Accessory from the patient before allowing the patient to enter the MRI system room.
2. Do not conduct an MRI procedure if the patient has any other implant or health condition that prohibits or contraindicates an MRI examination. If the patient has another implant, especially an electronically activated or “active” device, the safety of performing an MRI with the addition of Freedom System (SCS/PNS) is unknown.
3. Instruct the patient to immediately inform the MRI system operator (i.e., the MRI technologist) of any discomfort, stimulation, shocking, or heating, or other unusual sensation occurs during the examination.
4. The patient should be conscious during the MRI examination in order to inform the MRI system operator of any problem.
5. Verify with the MRI system operator that all proposed MRI conditions comply with the requirements specified in the Instructions for Use. If any MRI parameter is not met and cannot be modified, do not perform the MRI procedure.

As an MRI system operator, if you are unsure of your MRI system’s capabilities, contact the manufacturer. If the MRI scan sequences do not meet the conditions, then the pulse parameters must be adjusted so that they comply.

## During an MRI Examination

The patient should be conscious during the MRI procedure to inform the MRI system operator of any discomfort, stimulation, shocking, or heating during the examination. Monitor the patient both visually and audibly. Check the patient between each MR imaging sequence. Discontinue the MRI examination immediately if the patient is unable to respond to questions or reports any problem.

## Post-MRI Review

After the MRI procedure, verify that the patient feels normal.

After confirmation, remove the patient from the MRI system room and have the patient complete the following for the Freedom System (SCS/PNS):

1. Place the Transmitter Assembly in the Wearable Accessory and over the implanted stimulator.
2. Turn on stimulation by powering on the Transmitter Assembly and adjusting to identified Power Index.
3. Confirm proper stimulation and check that indicator lights are operating as expected.
4. Turn off the Transmitter Assembly if it is suspected that the external components (Transmitter Assembly) or internal stimulator is not functioning properly or if any discomfort, stimulation, shocking, or heating occurs.\*

\*If any of these event(s) occurs, turn off the Transmitter Assembly and contact your local Curonix representative.






## Freedom Trial Stimulator Systems for SCS and PNS


The Freedom Trial Stimulators (FR4A-TRL-A0, FR4A-TRL-B0, FR8A-TRL-A0, FR8A-TRL-B0) are MR Unsafe due to the lack of fixation of the device during the trial period.

# 1.5T MRI Scan Conditions

## How to use the MRI Instructions for Use:

1. Confirm implant type and exact placement in the body.
2. Check the implant's compatibility with MR Conditional zones for 1.5T scans.
3. Evaluate patient records for other implants or contraindications that may affect MRI safety.
4. Refer to the guide's detailed pages to identify the specific scan conditions and parameters required to ensure patient safety.

Specifications	Permanent Freedom PNS		Permanent Freedom SCS
Conditions	<p><b>4-Contact Electrode Array (With Tines)</b></p> <p>STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0</p>  <p>Close-Up View</p>	<p><b>8-Contact Electrode Array</b></p> <p>FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0</p>  <p>Close-Up View</p>	<p><b>8-Contact Electrode Array</b></p> <p>FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0</p>  <p>Close-Up View</p>
1.5T Full Body			
3T Full Body			

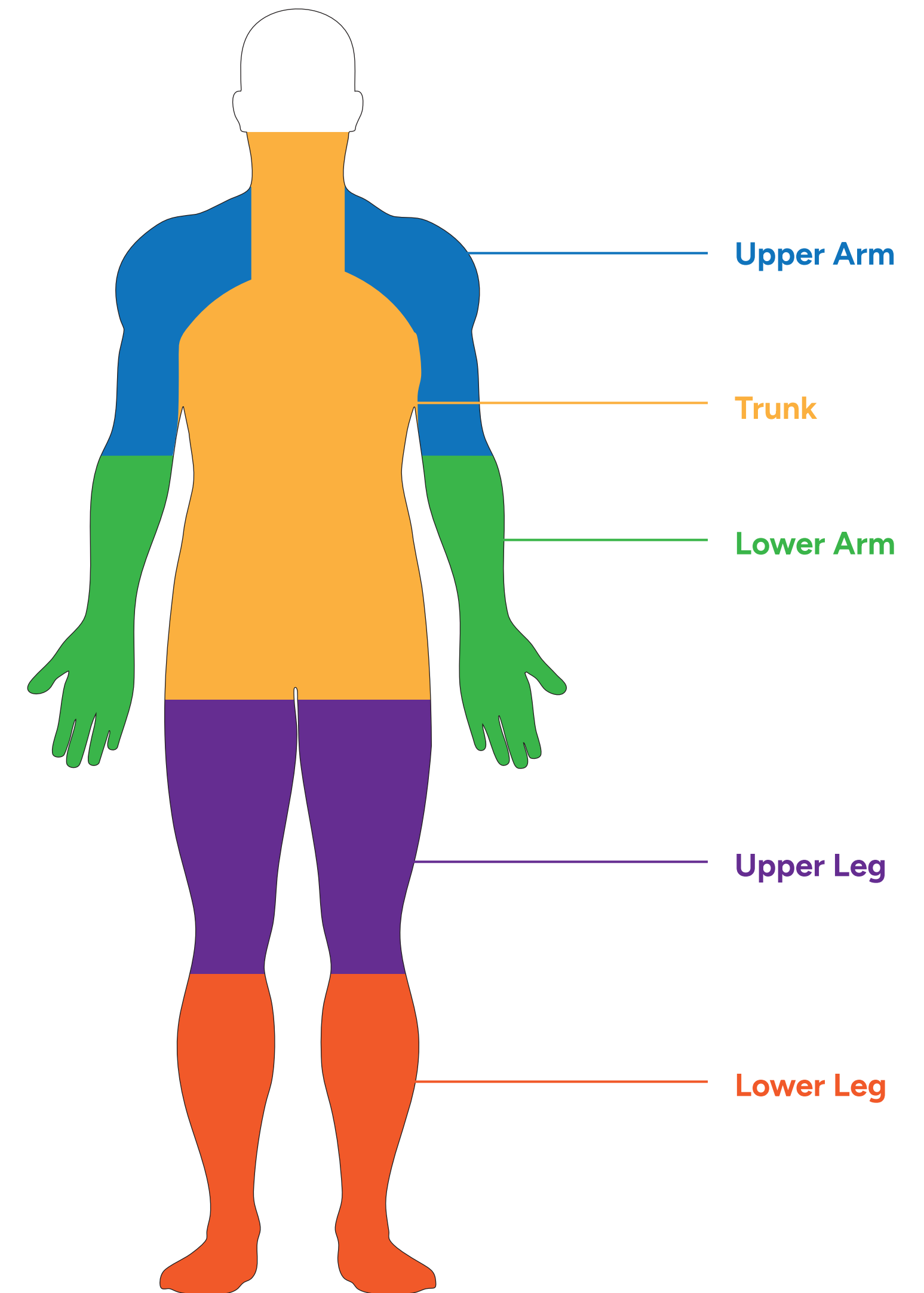
 : All Freedom PNS and SCS trial implants (FR4A-TRL-A0, FR4A-TRL-B0, FR8A-TRL-A0, FR8A-TRL-B0) are MR unsafe due to the lack of fixation of the device during the trial period.

# Permanent Freedom PNS STQ4/FR4A Implants

## 1.5T MRI

Implant Region	Upper Arm	Lower Arm	Upper Leg	Lower Leg	Trunk
Conditional Zone Start	T5	C1	L5	Top Thigh	Head
Conditional Zone End	Mid-Thigh	Mid-Knee	Foot	Foot	Mid-Thigh
hdSAR (W/kg)	N/A*	N/A*	N/A*	N/A*	1.3
wbSAR (W/kg)	1.2	0.7	0.3	0.4	0.8
B1+rms ( $\mu$ T)	2.34	1.78	1.42	1.73	1.91

\*Does not apply, outside of scan zone.



# 1.5T MRI Conditions - Upper Arm

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Upper Arm
Common Implant Locations	Radial and Ulnar Nerves

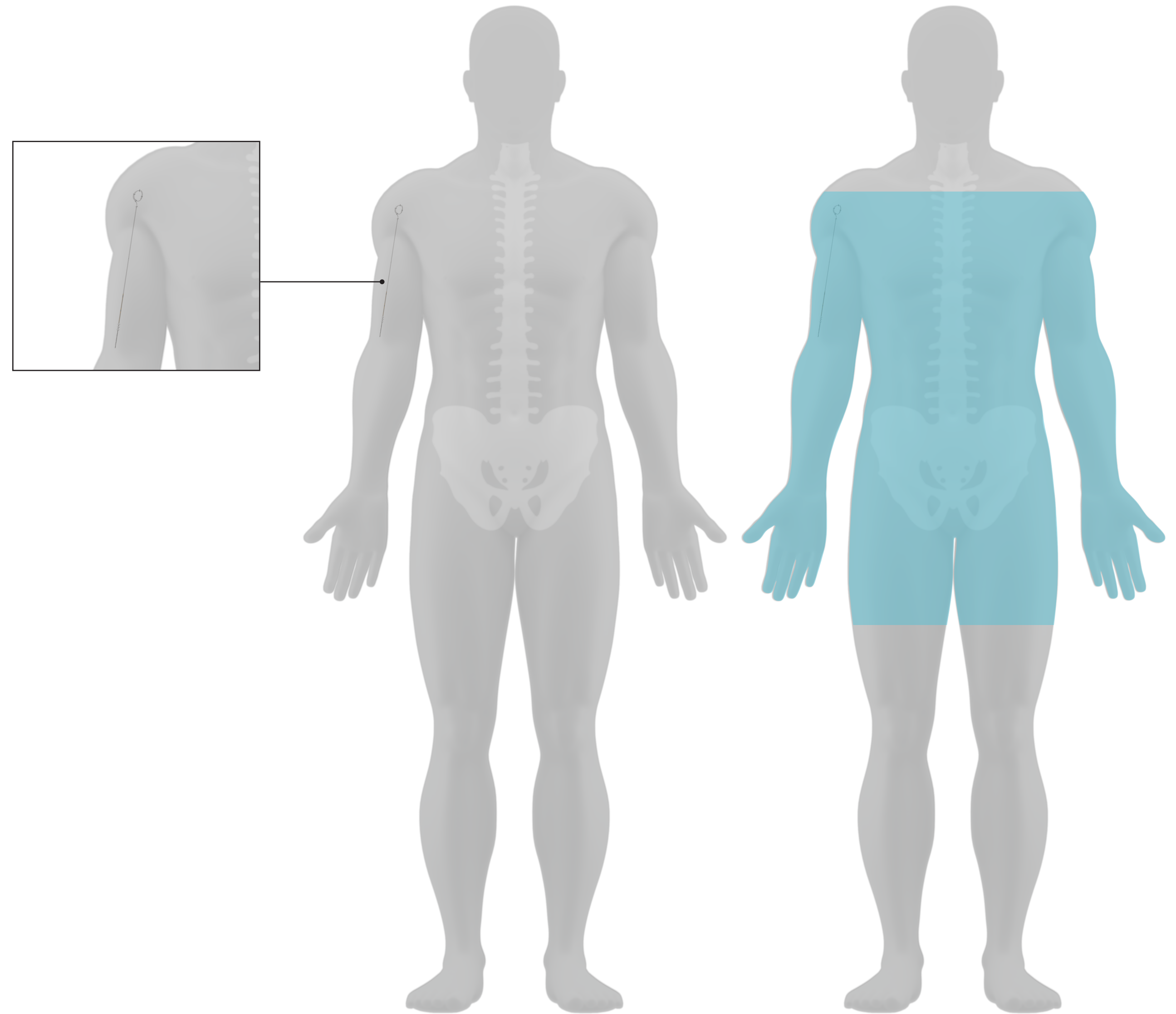
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	T5	NOM	NOM	NOM
Zone 2	T5	Mid Thigh	2.34	N/A*	1.2
Zone 3	Mid Thigh	Foot	NOM	NOM	NOM

Conditional Zone

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location

Conditional Zone

# 1.5T MRI Conditions - Lower Arm

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Lower Arm
Common Implant Locations	Median Nerves

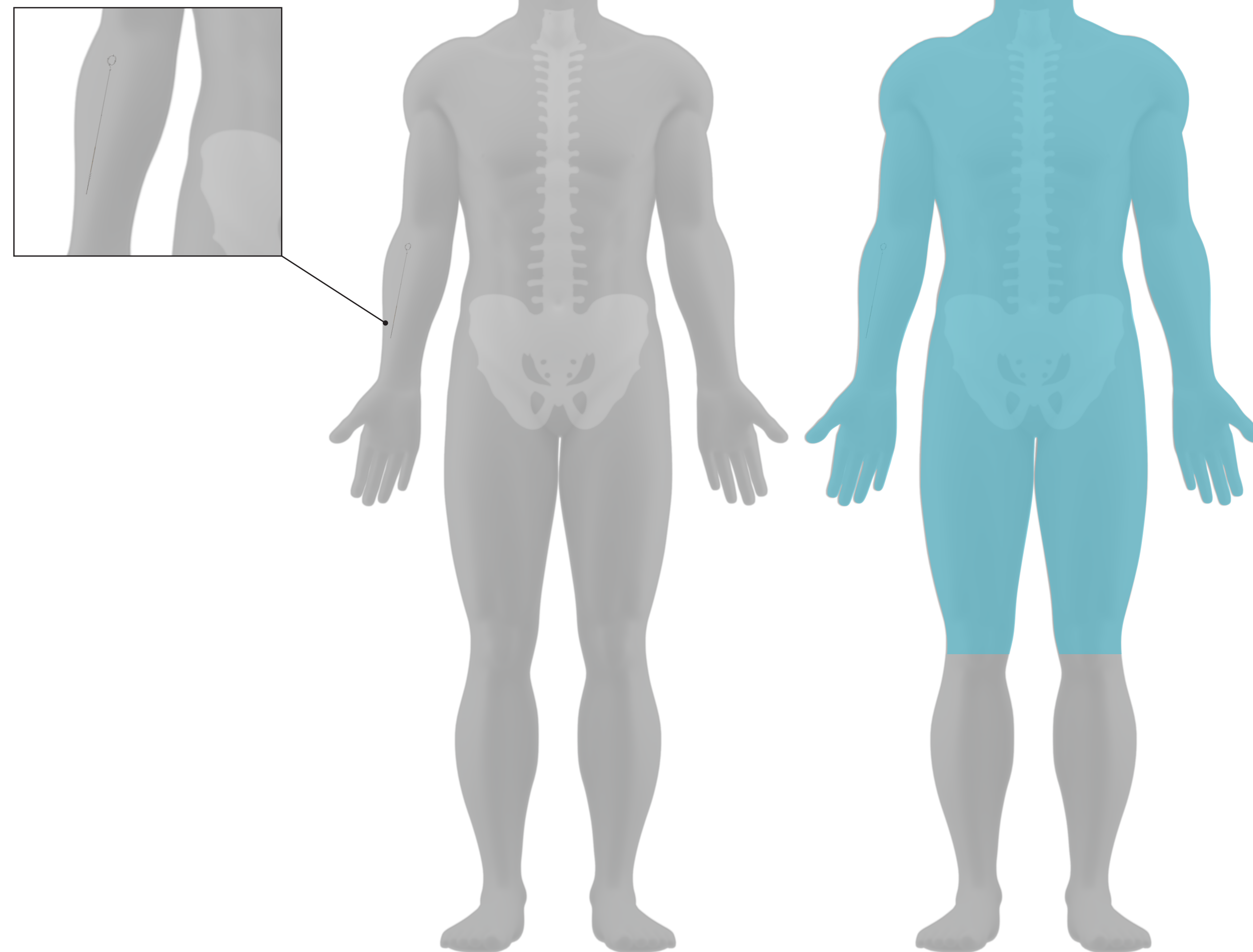
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	C1	NOM	NOM	NOM
Zone 2	C1	Mid-Knee	1.78	N/A*	0.7
Zone 3	Mid-Knee	Foot	NOM	NOM	NOM

Conditional Zone

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone



# 1.5T MRI Conditions - Upper Leg

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Upper Leg
Common Implant Locations	Sciatic and Cutaneous Nerves

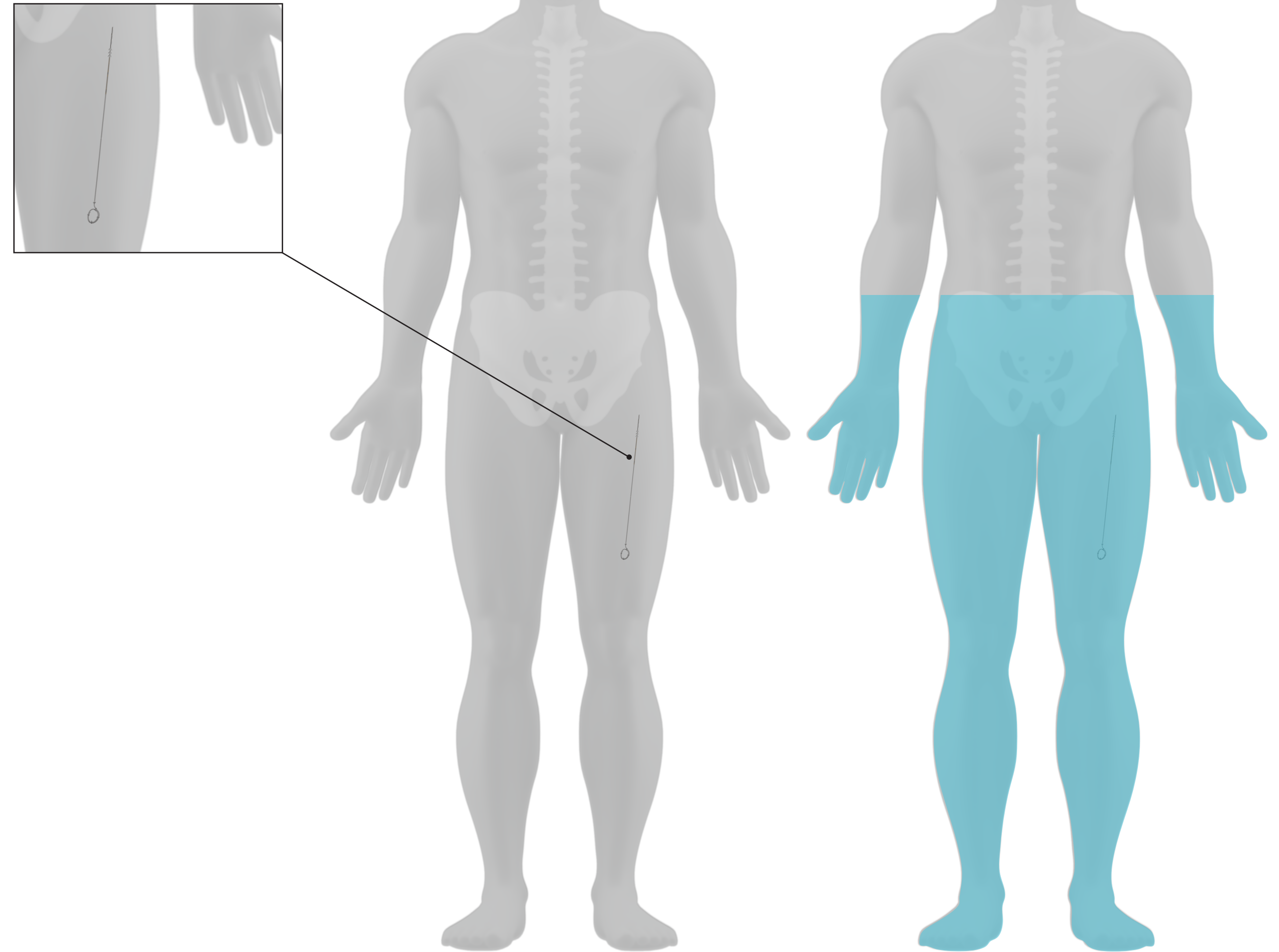
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	L5	NOM	NOM	NOM
Zone 2	L5	Foot	1.42	N/A*	0.3

Conditional Zone

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 1.5T MRI Conditions - Lower Leg

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Lower Leg
Common Implant Locations	Sural, Saphenous, Peroneal, Posterior Tibial Nerves

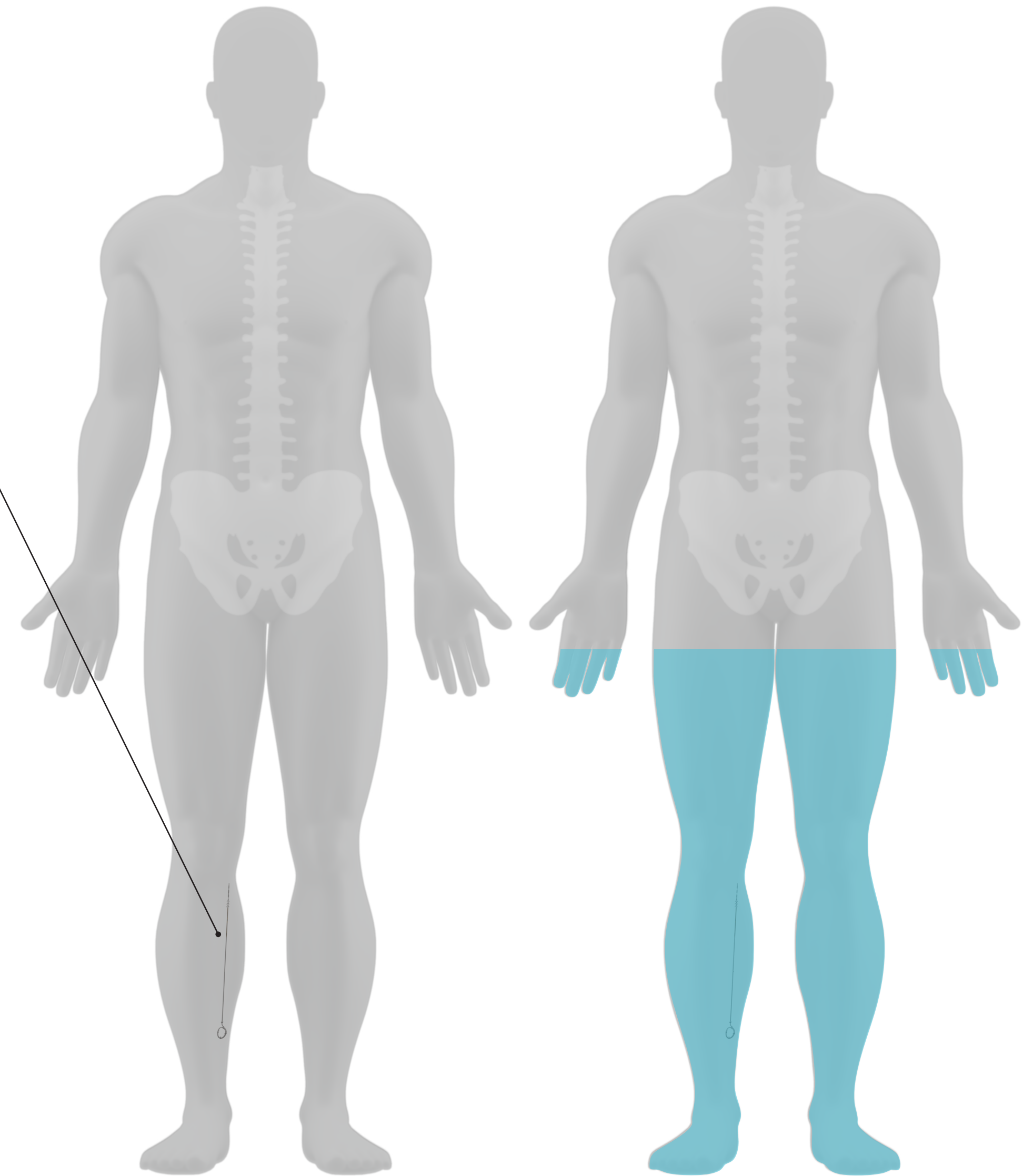
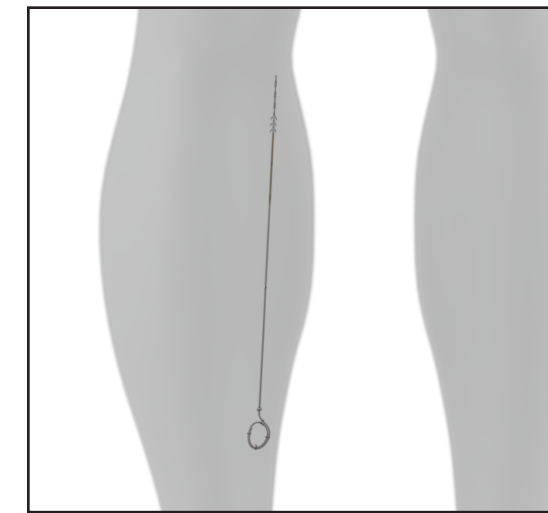
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	Top Thigh	NOM	NOM	NOM
Zone 2	Top Thigh	Foot	1.73	N/A*	0.4

Conditional Zone

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 1.5T MRI Conditions - Trunk

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Anterior Trunk
Common Implant Locations	Ilioinguinal, Intercostal Nerves

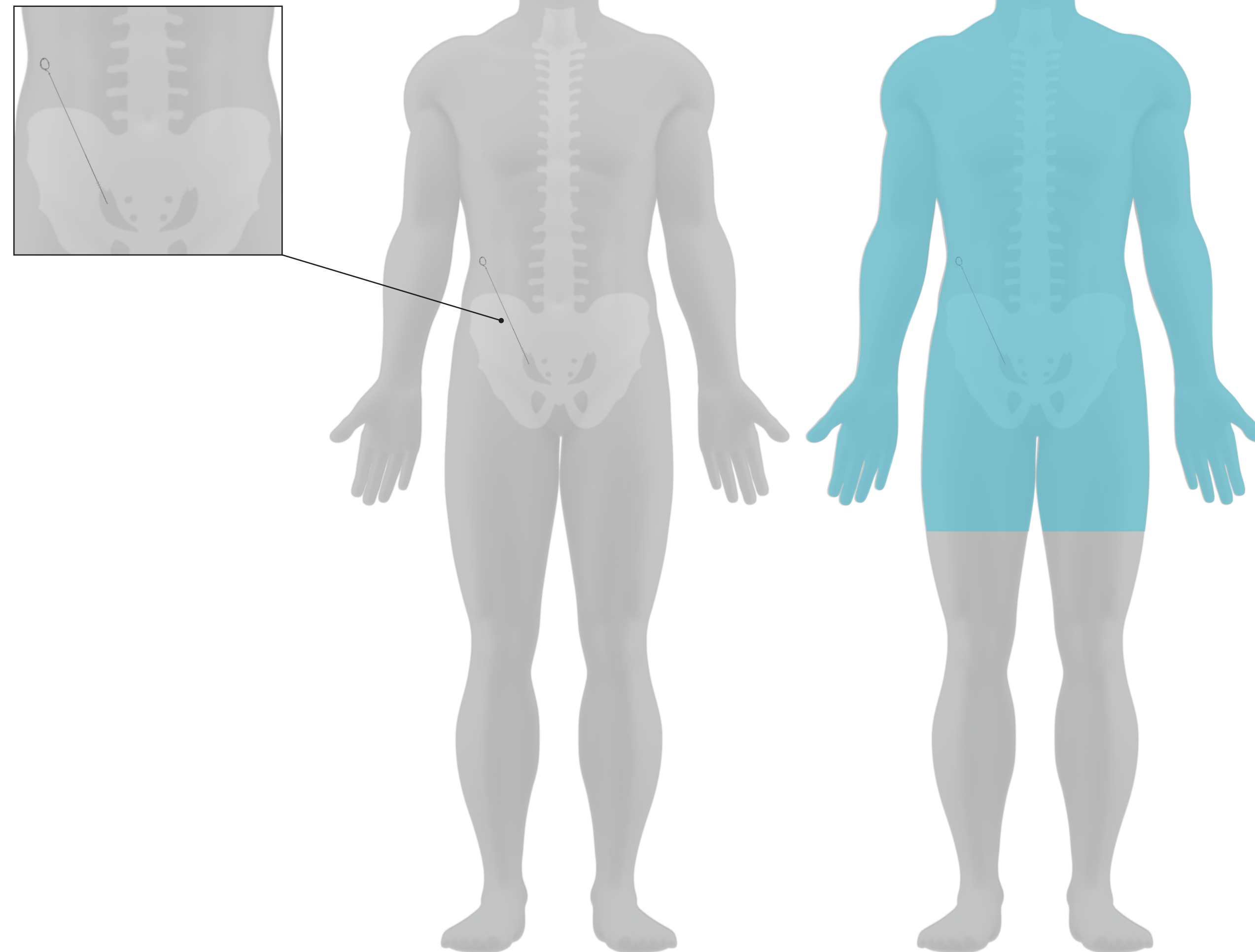
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	Mid-Thigh	1.91	1.3	0.8
Zone 2	Mid-Thigh	Foot	NOM	NOM	NOM

Conditional Zone

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 1.5T MRI Conditions - Trunk

## Freedom PNS STQ4/FR4A Implant

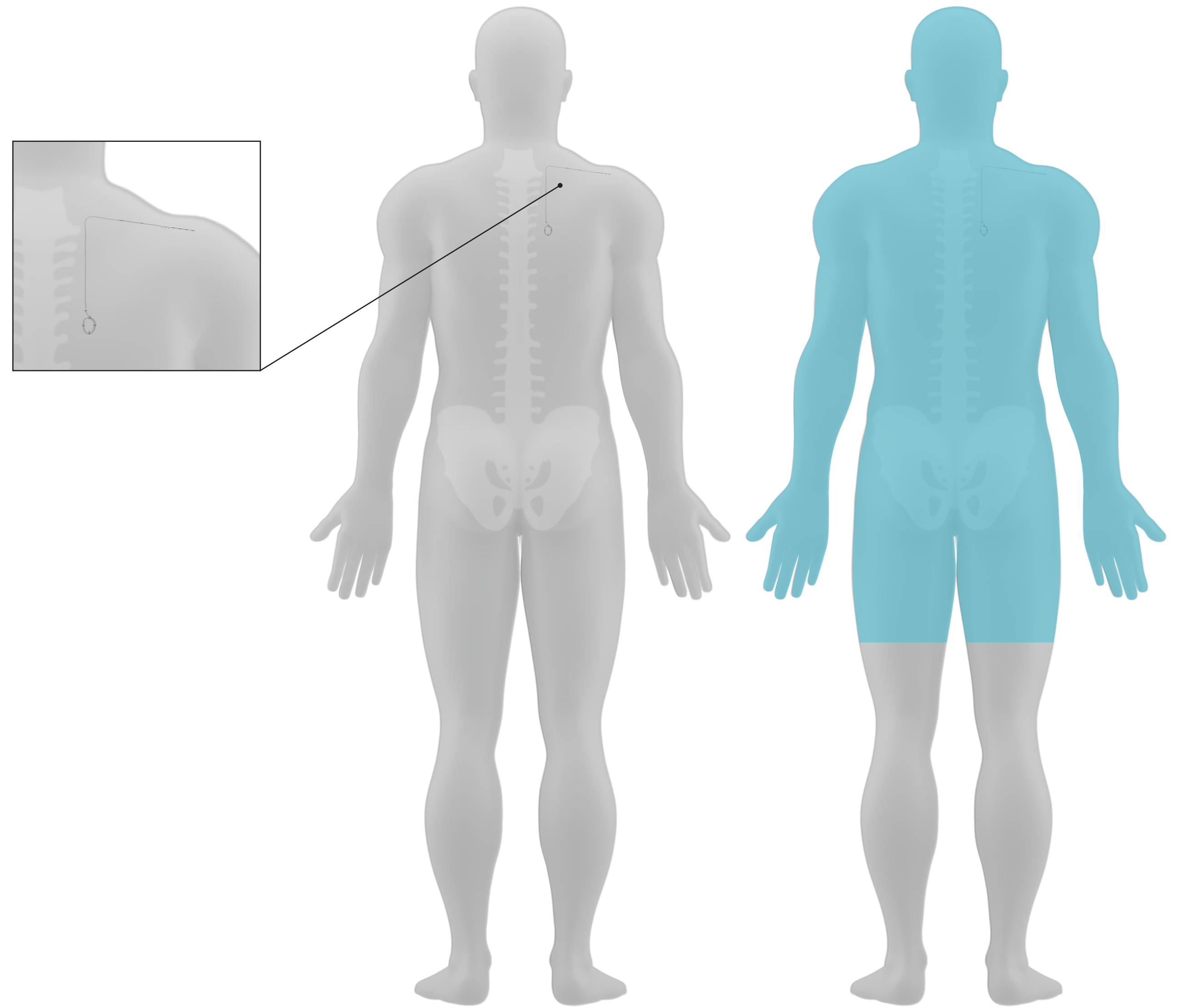
Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Posterior Trunk
Common Implant Locations	C2 PNS, Brachial Plexus, Medial Branch, Cluneals, Suprascapular and Intercostal Nerves

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR	Conditional Zone
Zone 1	Head	Mid-Thigh	1.91	1.3	0.8	
Zone 2	Mid-Thigh	Foot	NOM	NOM	NOM	

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

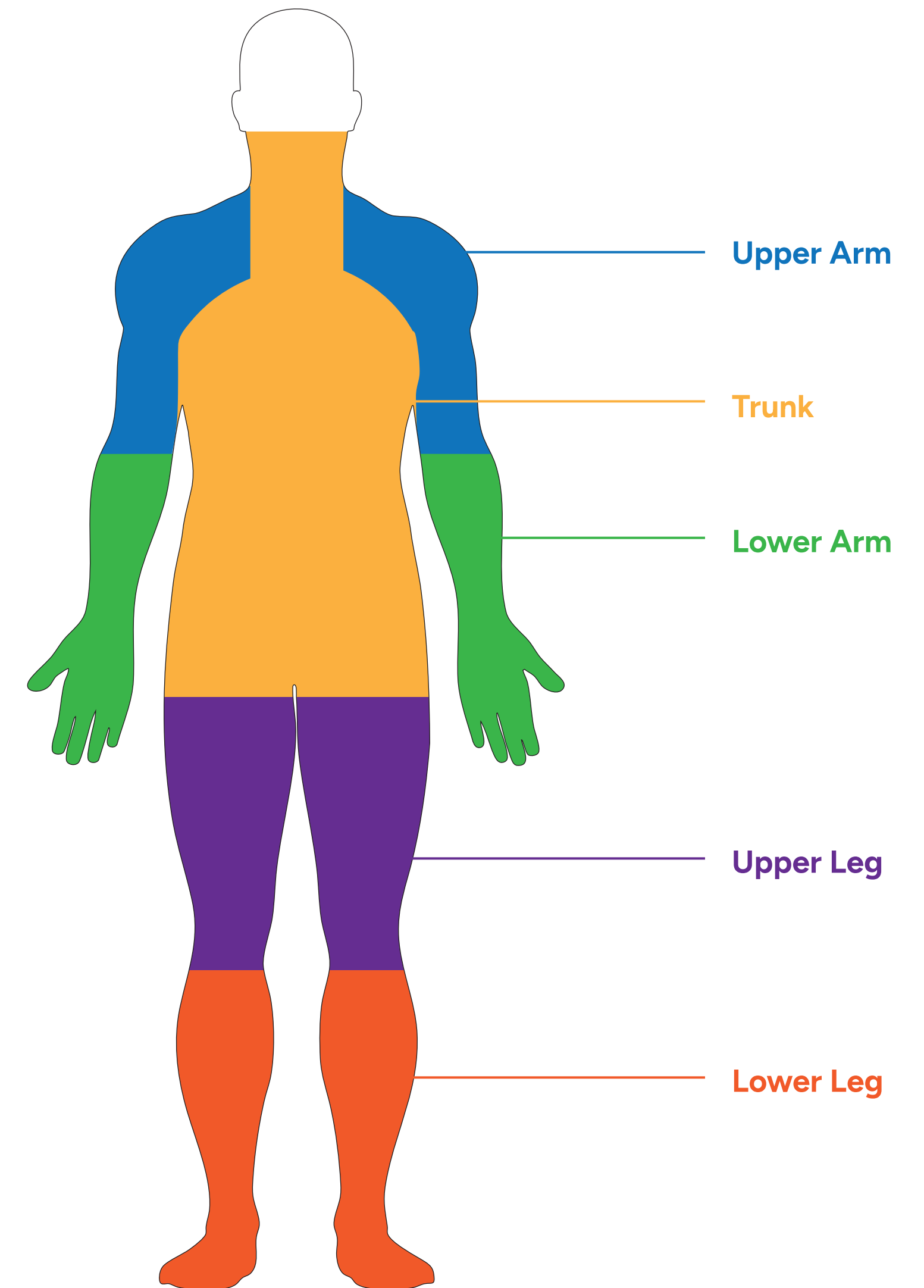


# Permanent Freedom PNS FR8A Implants

## 1.5T MRI

Implant Region	Upper Arm	Lower Arm	Upper Leg	Lower Leg	Trunk
Conditional Zone Start	C3	C1	L1	Mid Sacrum	Head
Conditional Zone End	Top Knee	Bottom Knee	Foot	Foot	Top Knee
hdSAR (W/kg)	N/A*	N/A*	N/A*	N/A*	0.6
wbSAR (W/kg)	0.5	0.3	0.1	0.1	0.3
B1+rms ( $\mu$ T)	1.51	1.17	0.75	0.75	1.17

\*Does not apply, outside of scan zone.





# 1.5T MRI Conditions - Upper Arm

## Freedom PNS FR8A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0
Implant Region	Upper Arm
Common Implant Locations	Radial and Ulnar Nerves

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	C3	NOM	NOM	NOM
Zone 2	C3	Top Knee	1.51	N/A*	0.5
Zone 3	Top Knee	Foot	NOM	NOM	NOM

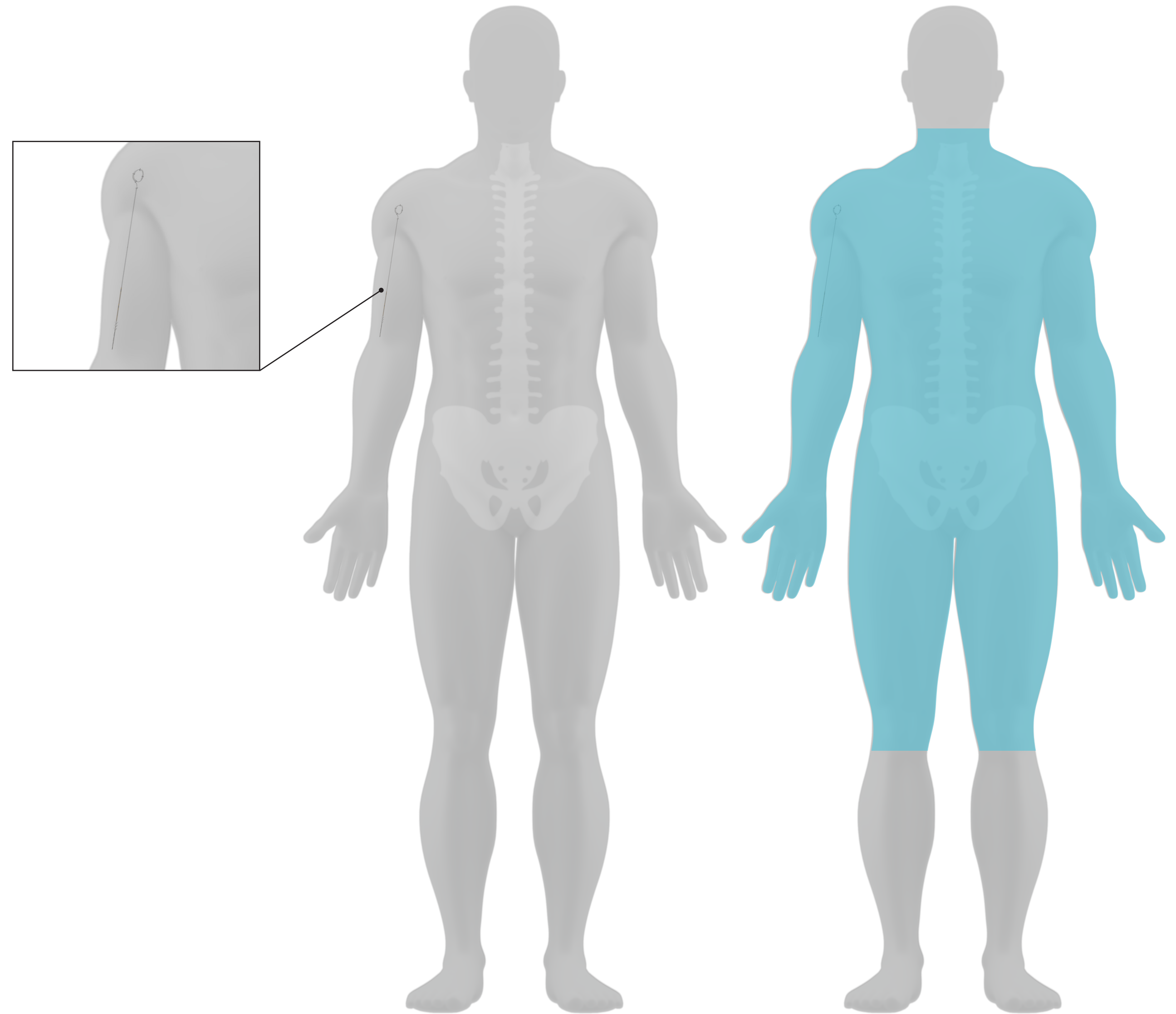
Conditional Zone

\*Does not apply, outside of scan zone.

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 1.5T MRI Conditions - Lower Arm

## Freedom PNS FR8A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0
Implant Region	Lower Arm
Common Implant Locations	Median Nerves

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	C1	NOM	NOM	NOM
Zone 2	C1	Bottom Knee	1.17	N/A*	0.3
Zone 3	Bottom Knee	Foot	NOM	NOM	NOM

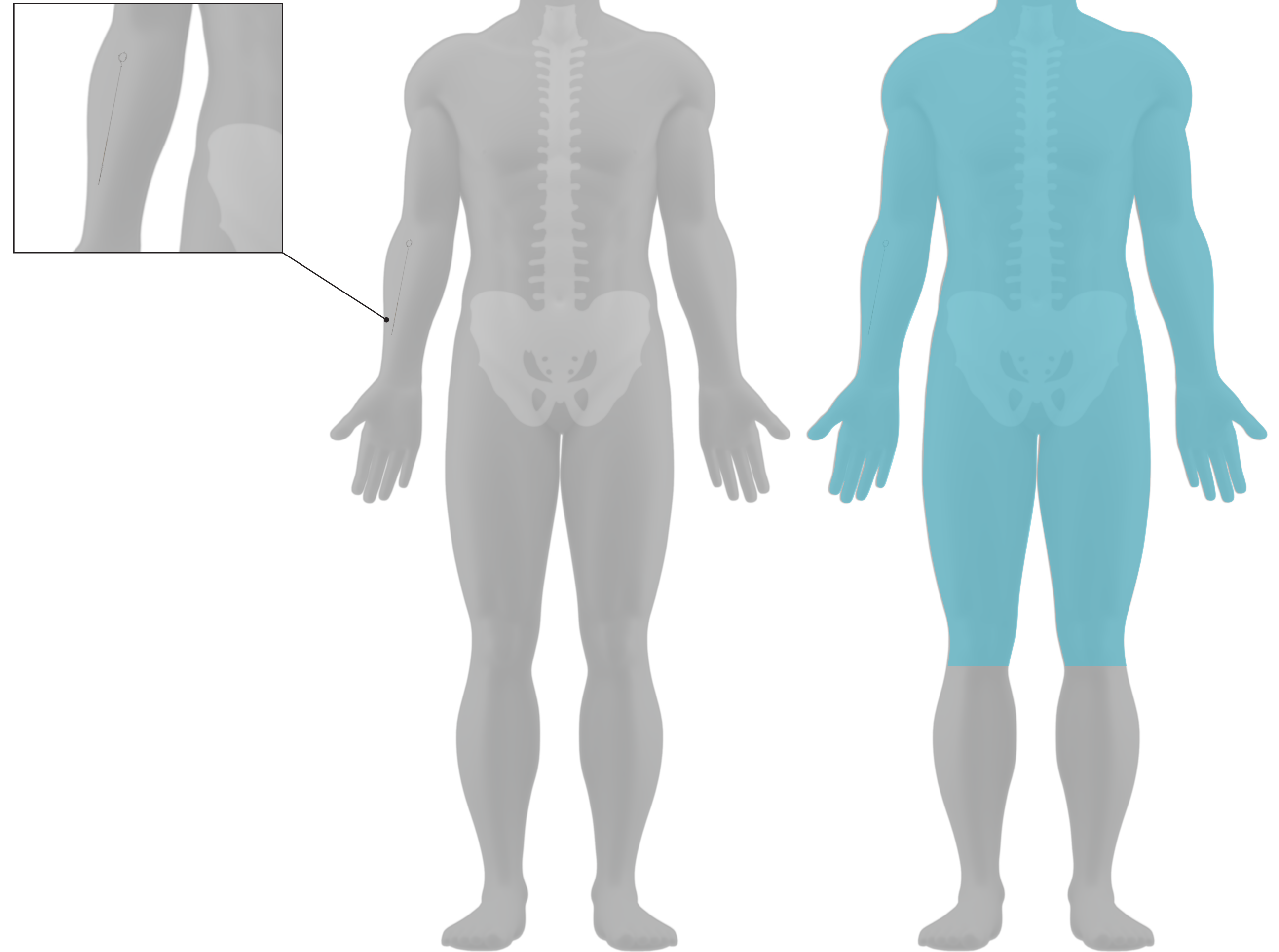
Conditional Zone

\*Does not apply, outside of scan zone.

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 1.5T MRI Conditions - Upper Leg

## Freedom PNS FR8A Implant

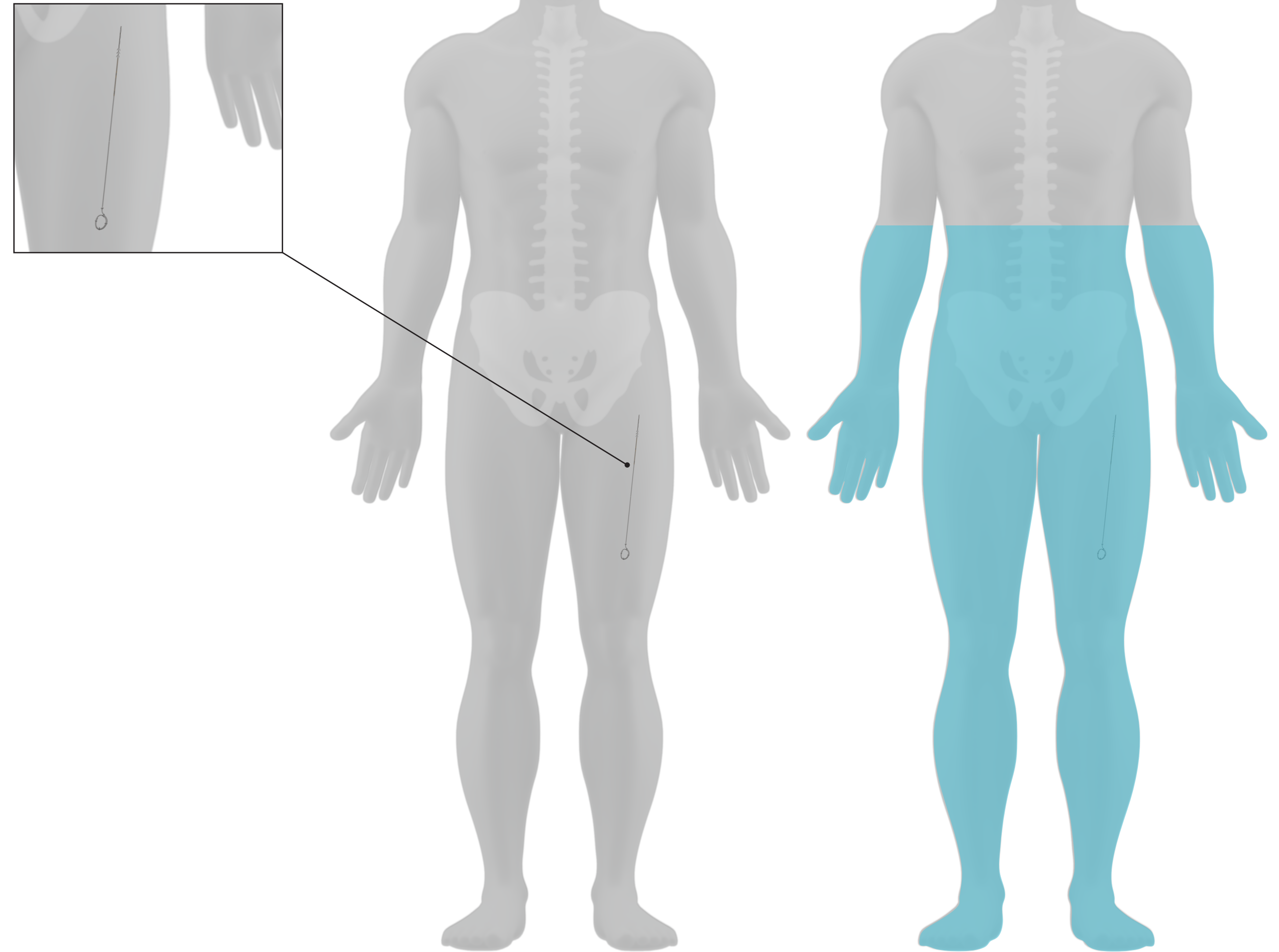
Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0
Implant Region	Upper Leg
Common Implant Locations	Sciatic and Cutaneous Nerves

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR	Conditional Zone
Zone 1	Head	L1	NOM	NOM	NOM	
Zone 2	L1	Foot	0.75	N/A*	0.1	

\*Does not apply, outside of scan zone.  
 NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 1.5T MRI Conditions - Lower Leg

## Freedom PNS FR8A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0
Implant Region	Lower Leg
Common Implant Locations	Sural, Saphenous, Peroneal, Posterior Tibial Nerves

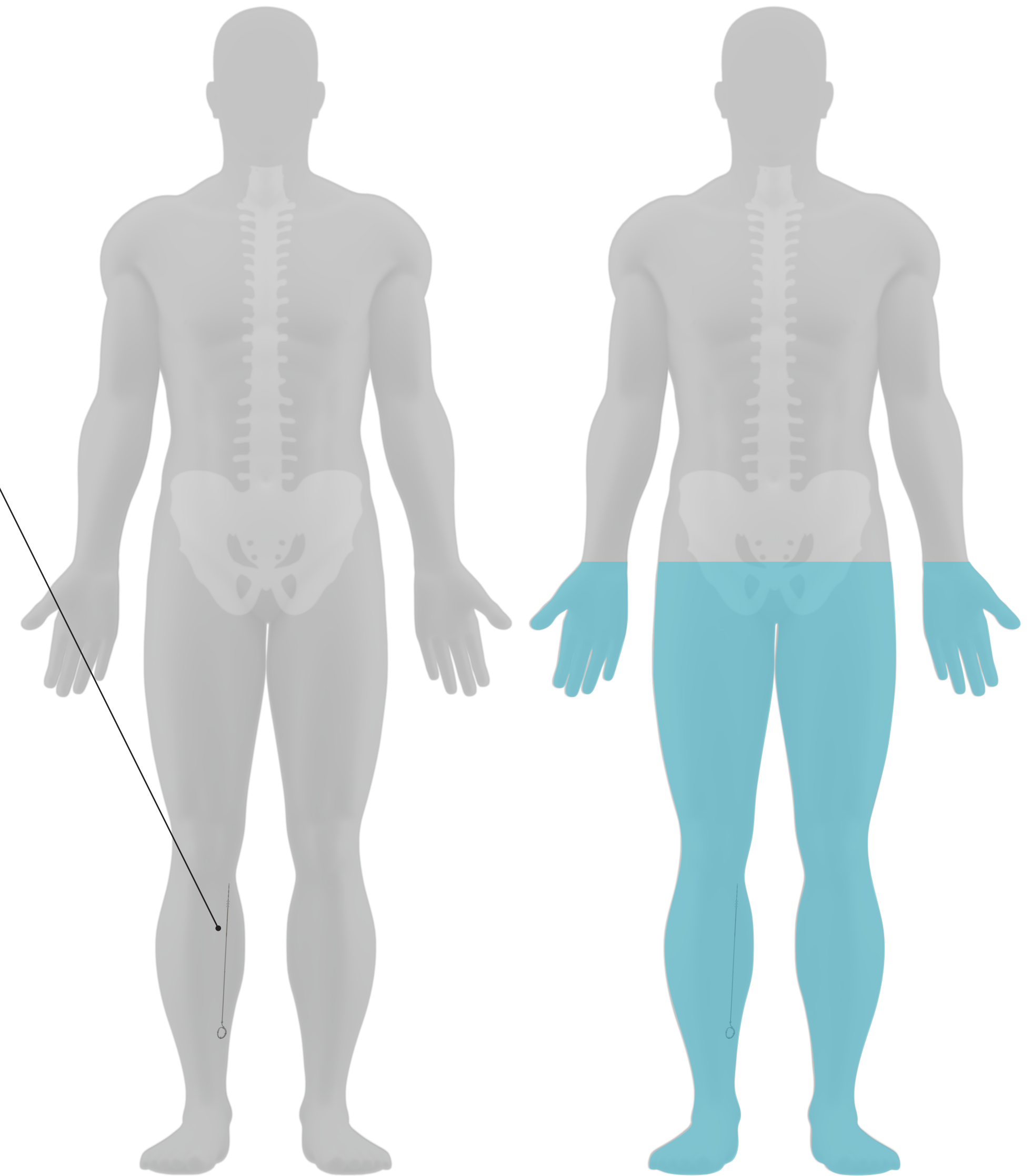
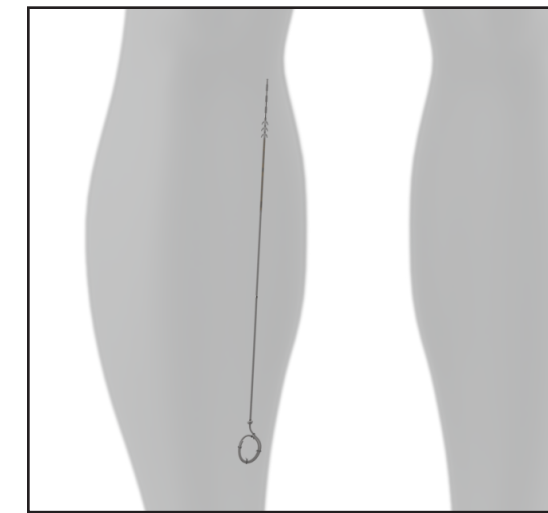
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	Mid Sacrum	NOM	NOM	NOM
Zone 2	Mid Sacrum	Foot	0.75	N/A*	0.1

Conditional Zone

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone



# 1.5T MRI Conditions - Trunk

## Freedom PNS FR8A Implant

Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0
Implant Region	Anterior Trunk
Common Implant Locations	Ilioinguinal, Intercostal Nerves

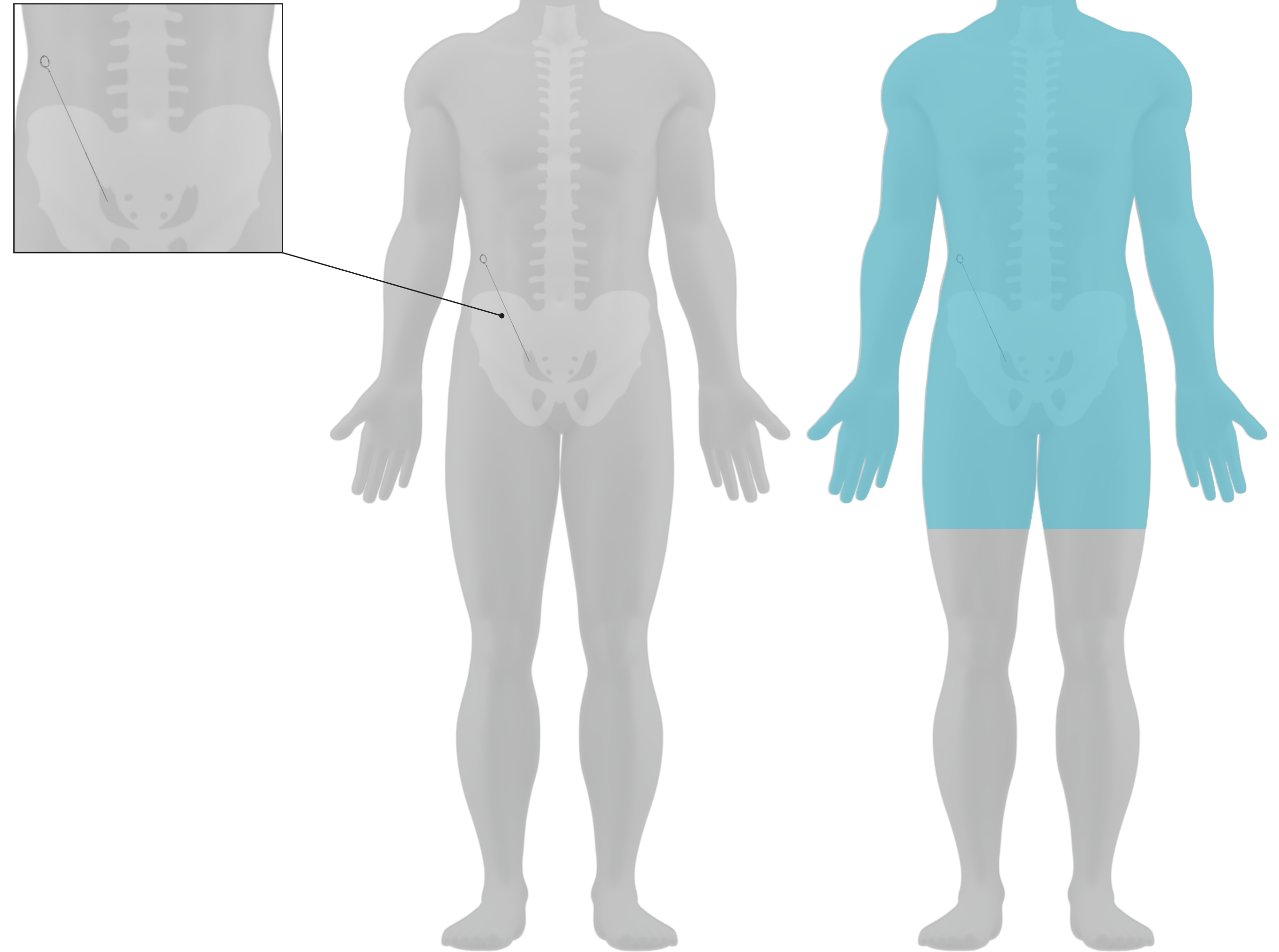
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	Top Knee	1.17	0.6	0.3
Zone 2	Top Knee	Foot	NOM	NOM	NOM

Conditional Zone

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone



# 1.5T MRI Conditions - Trunk

## Freedom PNS FR8A Implant

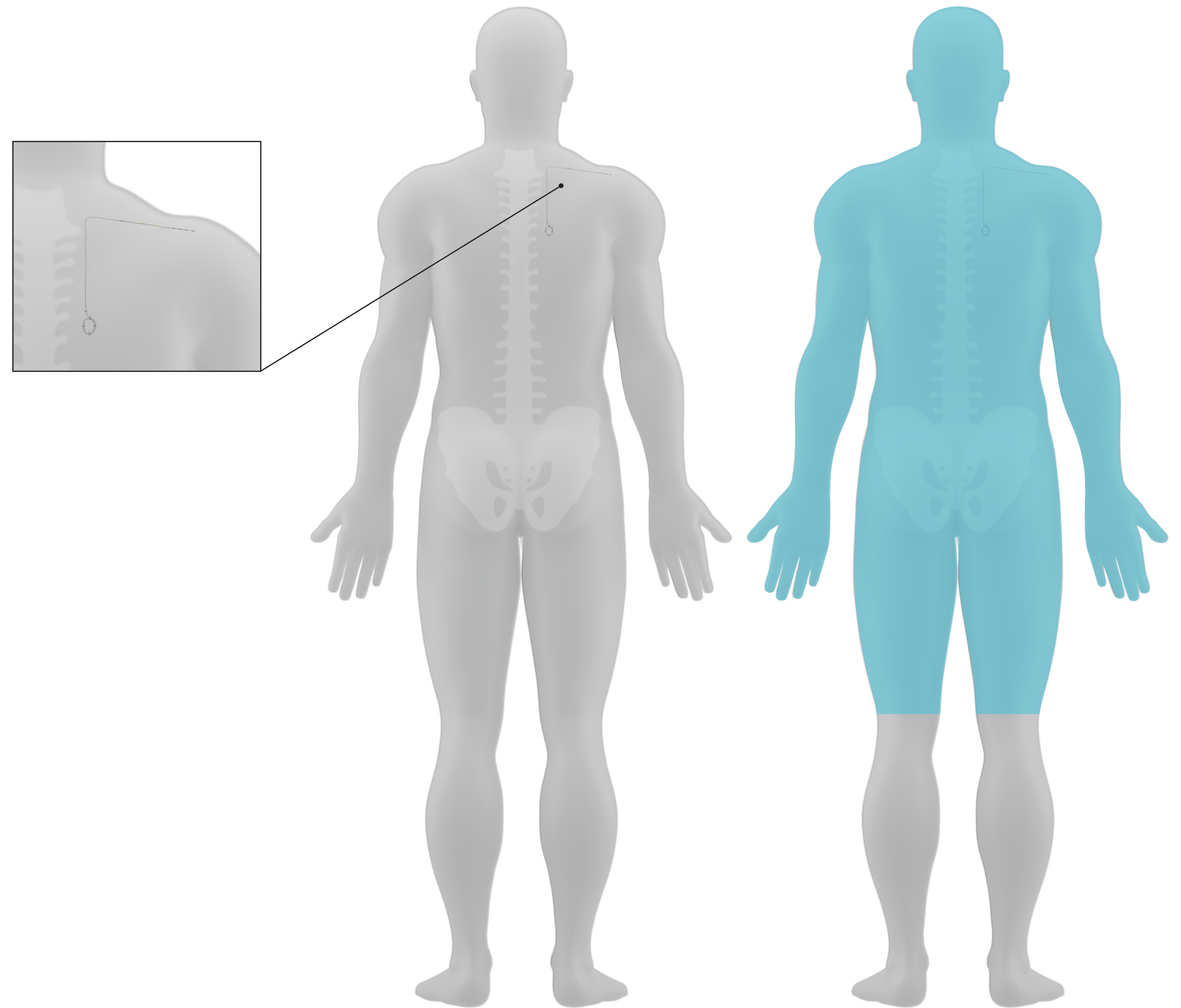
Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom PNS FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0
Implant Region	Posterior Trunk
Common Implant Locations	C2 PNS, Brachial Plexus, Medial Branch, Cluneals, Suprascapular and Intercostal Nerves

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR	Conditional Zone
Zone 1	Head	Top Knee	1.17	0.6	0.3	
Zone 2	Top Knee	Foot	NOM	NOM	NOM	

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 1.5T MRI Conditions - Spinal Cord

## Freedom SCS FR8A Implant

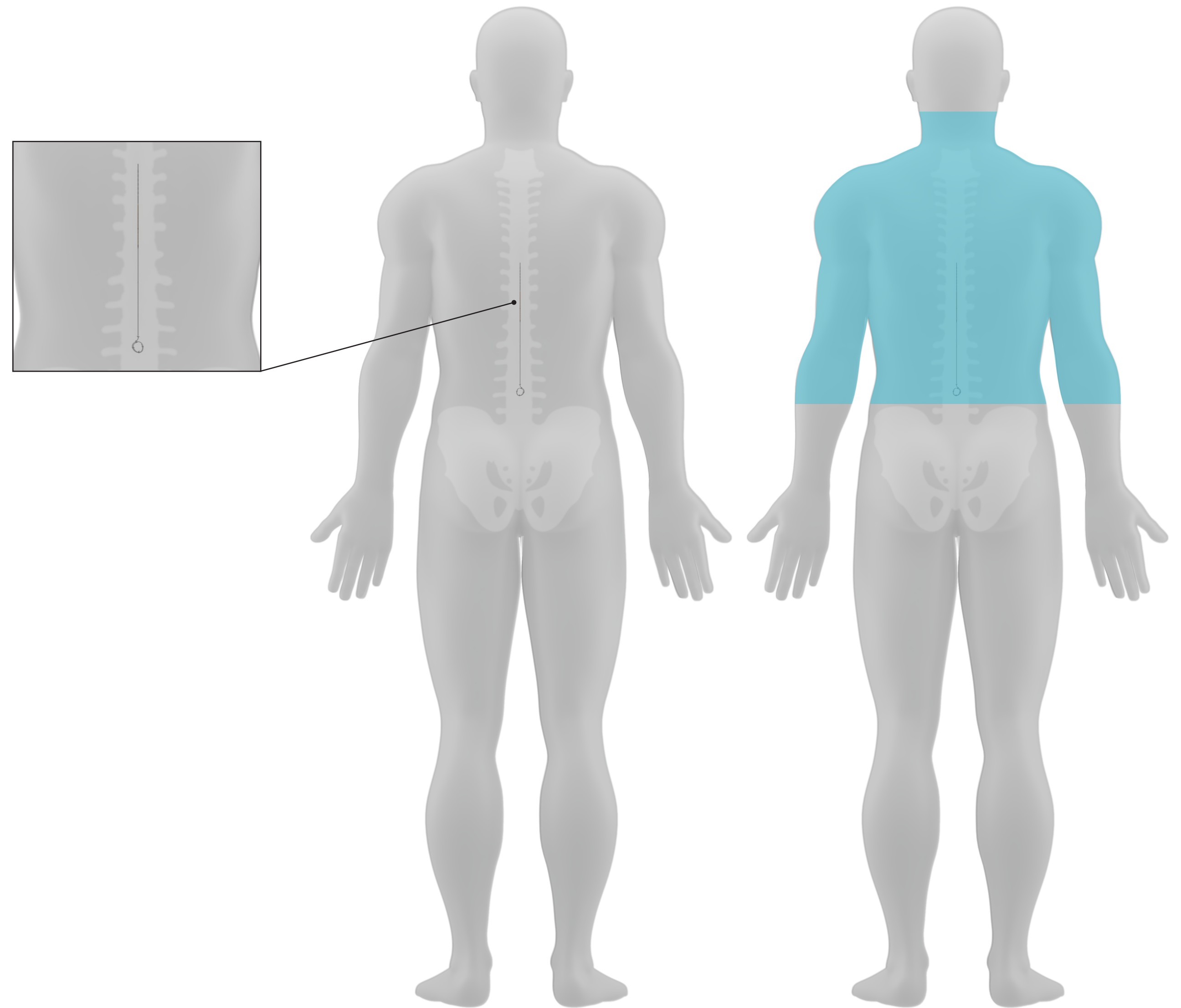
Static Magnetic Field Strength (B0)	1.5T
Implant Type	Freedom SCS FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0
Implant Region	Spinal Cord

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR	Conditional Zone
Zone 1	Head	C1	NOM	NOM	NOM	
Zone 2	C1	L3	2.24	N/A*	1.1	
Zone 3	L3	Foot	NOM	NOM	NOM	

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.












Implant Location Example

Conditional Zone

# 3T MRI Scan Conditions

## How to use the MRI Instructions for Use:

1. Confirm implant type and exact placement in the body.
2. Check the implant's compatibility with MR Conditional zones for 3T scans.
3. Evaluate patient records for other implants or contraindications that may affect MRI safety.
4. Refer to the guide's detailed pages to identify the specific scan conditions and parameters required to ensure patient safety.

Specifications	Permanent Freedom PNS		Permanent Freedom SCS
Conditions	<p><b>4-Contact Electrode Array (With Tines)</b></p> <p>STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0</p>  <p>Close-Up View</p>	<p><b>8-Contact Electrode Array</b></p> <p>FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0</p>  <p>Close-Up View</p>	<p><b>8-Contact Electrode Array</b></p> <p>FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0</p>  <p>Close-Up View</p>
1.5T Full Body			
3T Full Body			

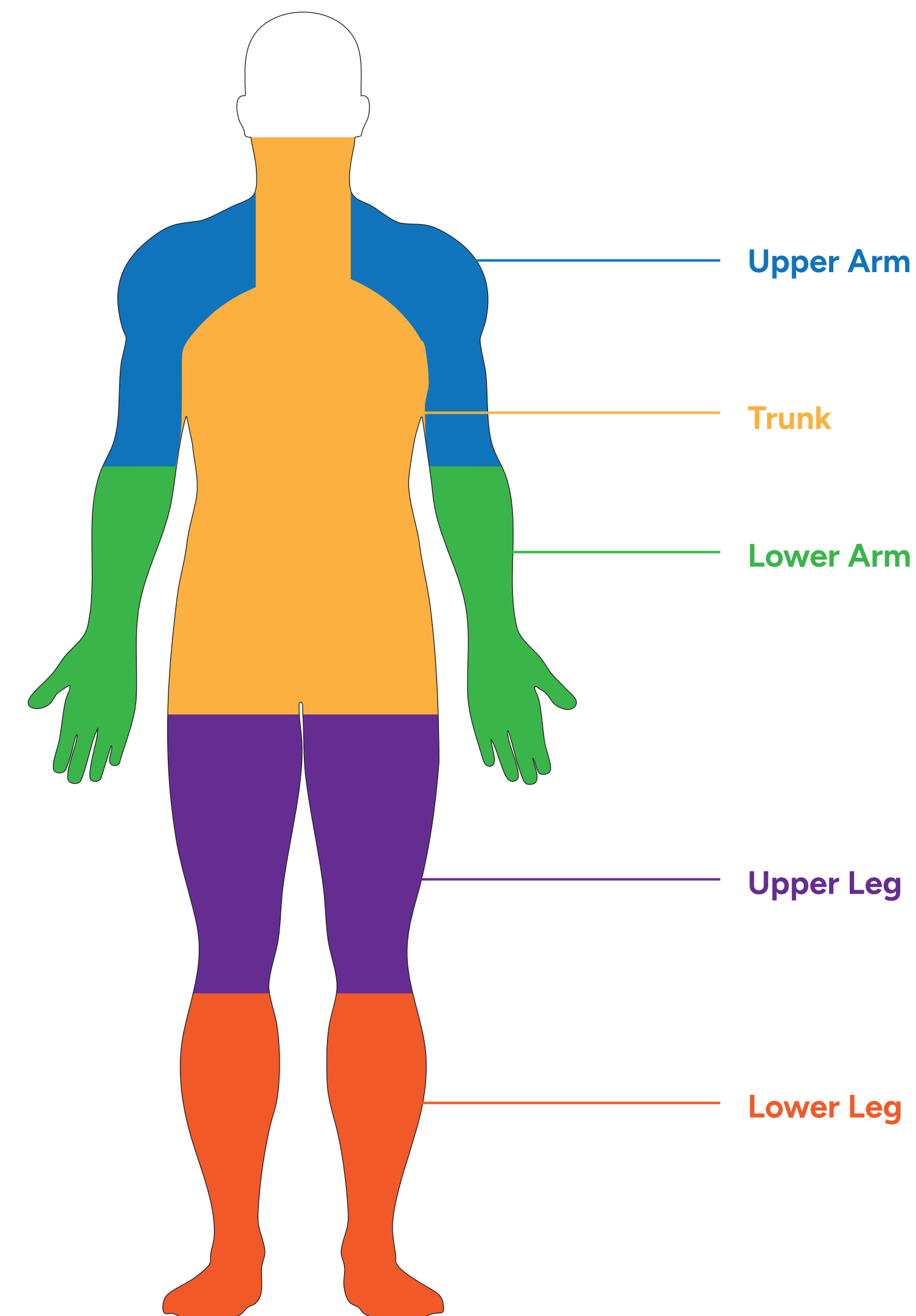
 : All Freedom PNS and SCS trial implants (FR4A-TRL-A0, FR4A-TRL-B0, FR8A-TRL-A0, FR8A-TRL-B0) are MR unsafe due to the lack of fixation of the device during the trial period.

# Permanent Freedom PNS STQ4/FR4A Implants

## 3T MRI

Implant Region	Upper Arm	Lower Arm	Upper Leg	Lower Leg	Trunk
Conditional Zone Start	C6	C3	L1	Mid Sacrum	Head
Conditional Zone End	Top Thigh	Top Thigh	Foot	Foot	Mid-Thigh
hdSAR (W/kg)	N/A*	N/A*	N/A*	N/A*	0.7
wbSAR (W/kg)	0.4	0.3	0.2	0.2	0.4
B1+rms (μT)	0.82	0.71	0.69	0.69	0.82

\*Does not apply, outside of scan zone.



# 3T MRI Conditions - Upper Arm

## Freedom PNS STQ4/FR4A Implant

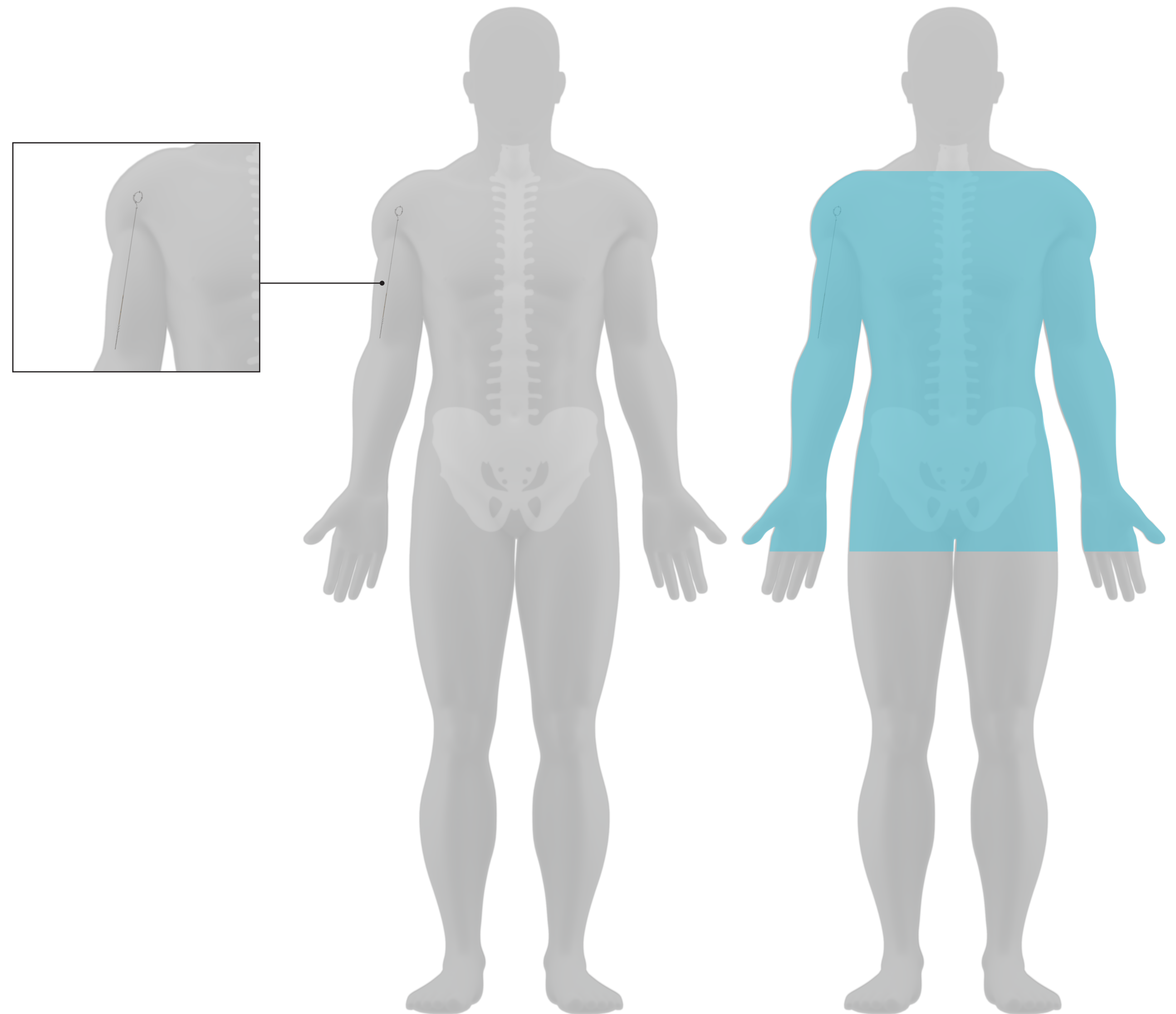
Static Magnetic Field Strength (B0)	3T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Upper Arm
Common Implant Locations	Radial and Ulnar Nerves

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR	Conditional Zone
Zone 1	Head	C6	NOM	NOM	NOM	
Zone 2	C6	Top Thigh	0.82	N/A*	0.4	
Zone 3	Top Thigh	Foot	NOM	NOM	NOM	

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone



# 3T MRI Conditions - Lower Arm

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	3T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Lower Arm
Common Implant Locations	Median Nerves

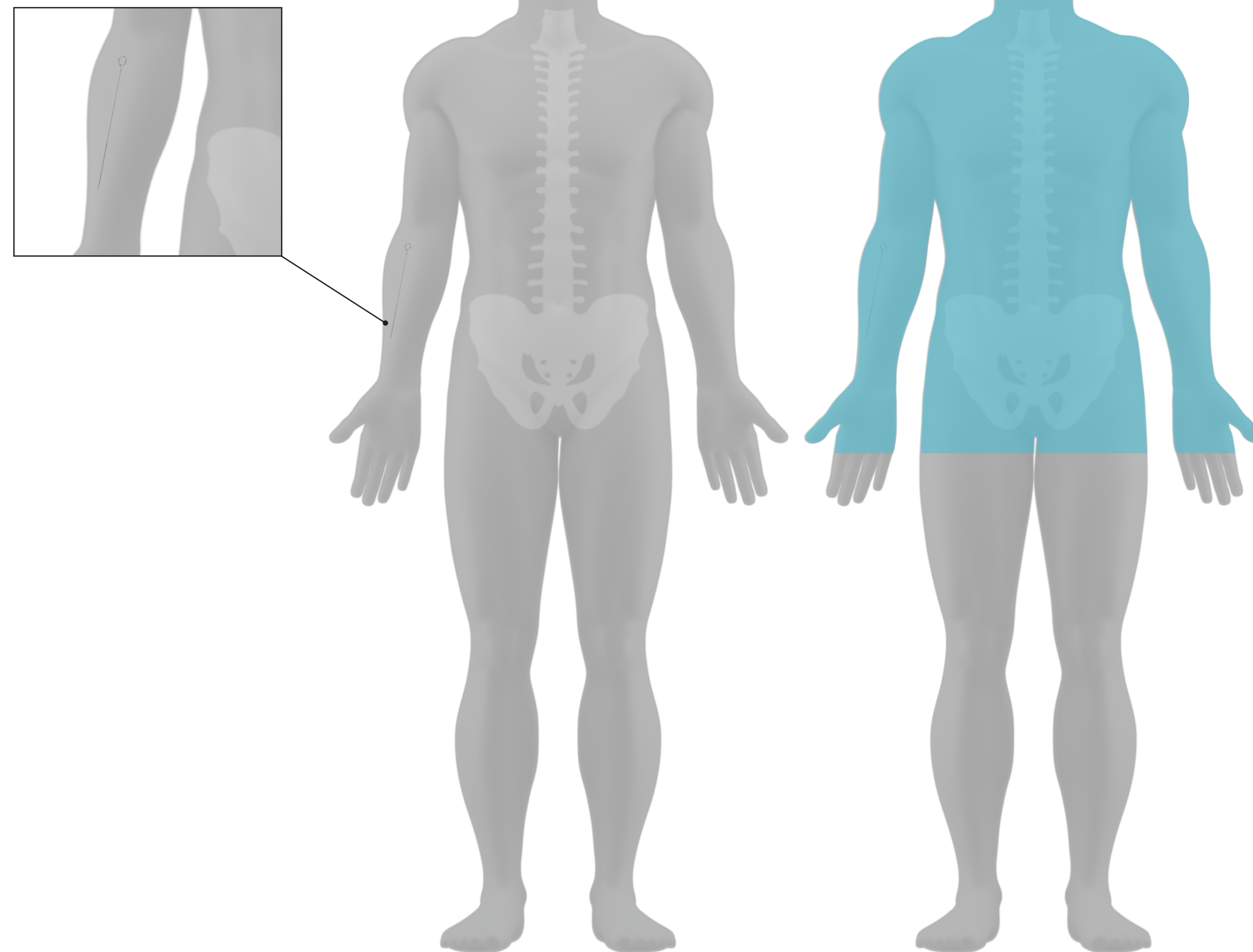
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	C3	NOM	NOM	NOM
Zone 2	C3	Top Thigh	0.71	N/A*	0.3
Zone 3	Top Thigh	Foot	NOM	NOM	NOM

Conditional Zone

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 3T MRI Conditions - Upper Leg

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	3T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0, STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Upper Leg
Common Implant Locations	Sciatic and Cutaneous Nerves

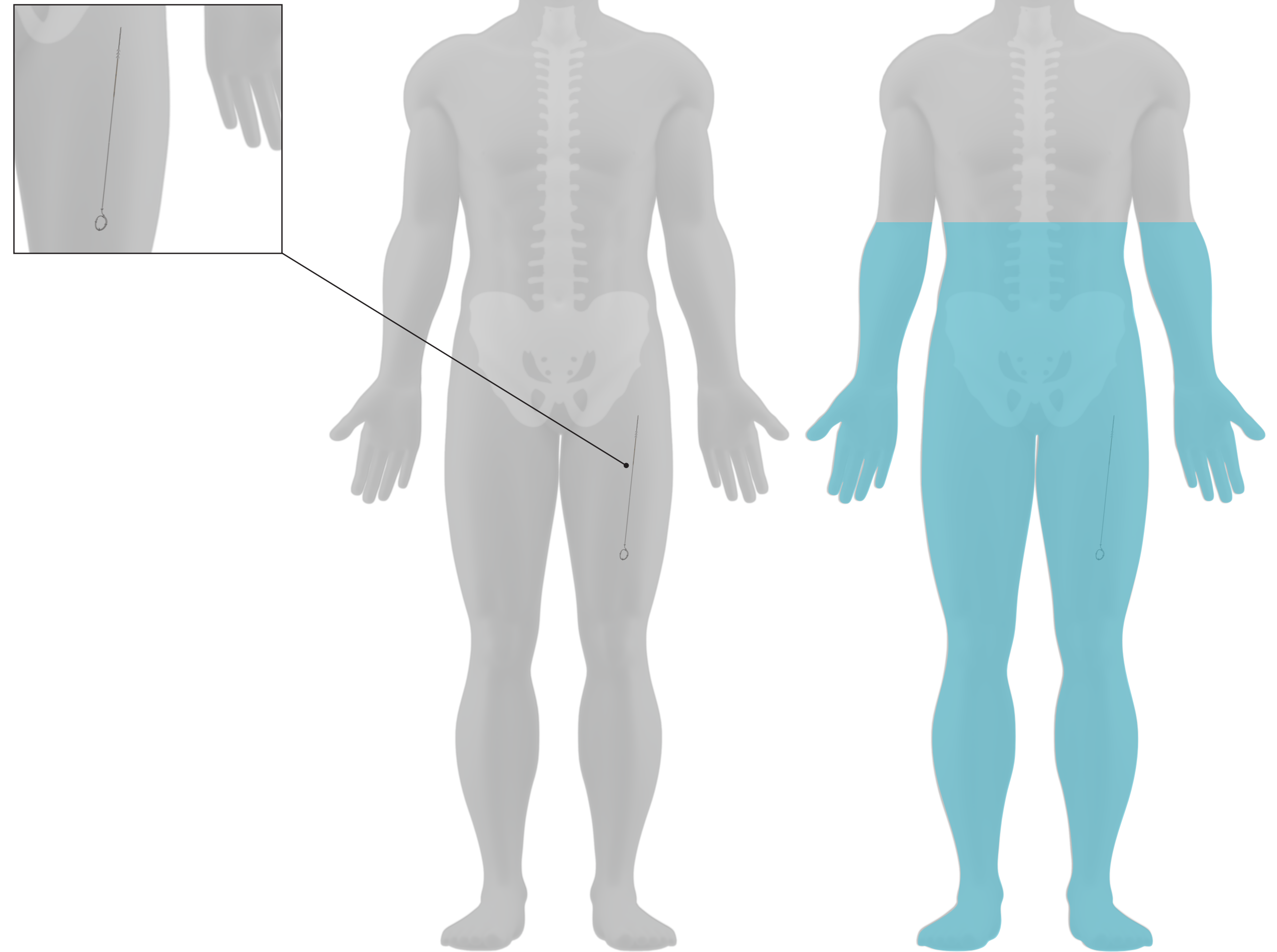
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR	Conditional Zone
Zone 1	Head	L1	NOM	NOM	NOM	
Zone 2	L1	Foot	0.69	N/A*	0.2	

\*Does not apply, outside of scan zone.

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 3T MRI Conditions - Lower Leg

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	3T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0 STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Lower Leg
Common Implant Locations	Sural, Saphenous, Peroneal, Posterior Tibial Nerves

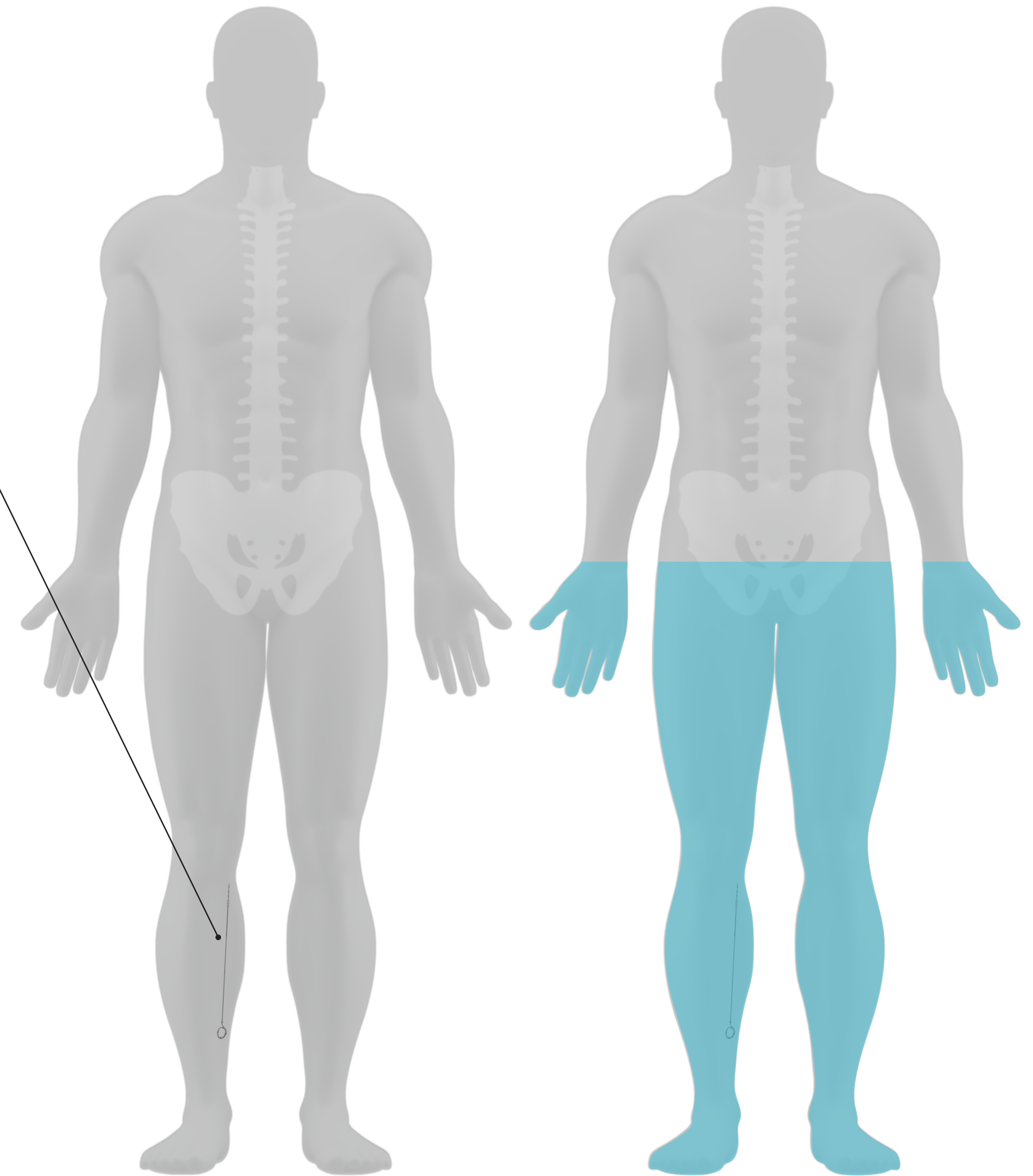
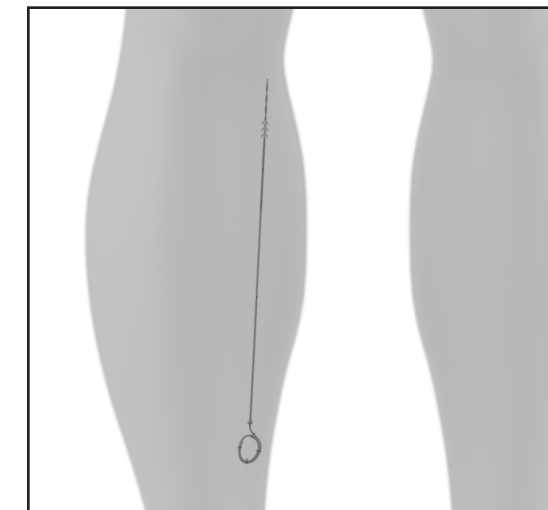
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	Mid Sacrum	NOM	NOM	NOM
Zone 2	Mid Sacrum	Foot	0.69	N/A*	0.2

Conditional Zone

\*Does not apply, outside of scan zone.  
NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

# 3T MRI Conditions - Trunk

## Freedom PNS STQ4/FR4A Implant

Static Magnetic Field Strength (B0)	3T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0 STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Anterior Trunk
Common Implant Locations	Ilioinguinal, Intercostal Nerves

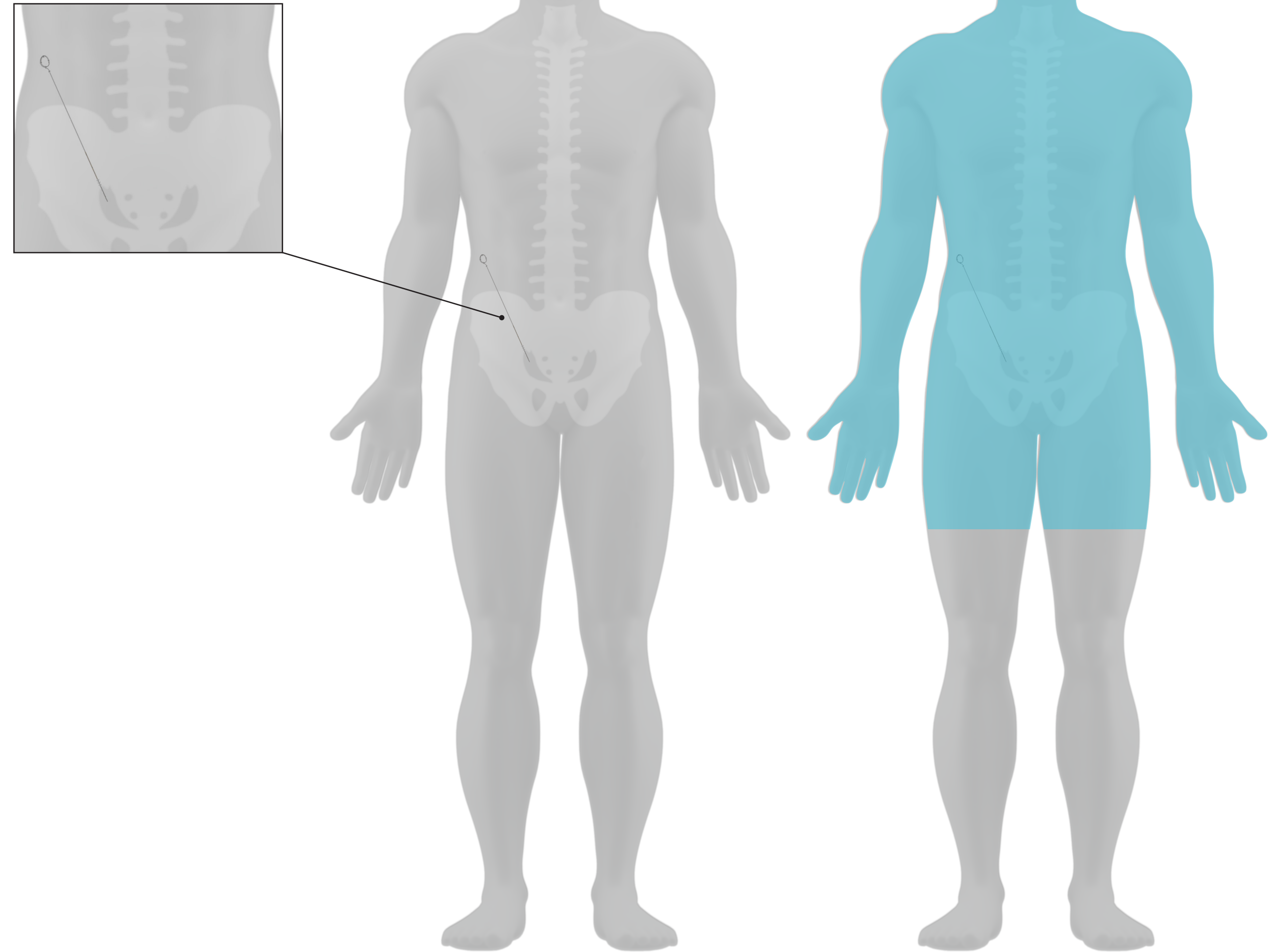
Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR
Zone 1	Head	Mid Thigh	0.82	0.7	0.4
Zone 2	Mid Thigh	Foot	NOM	NOM	NOM

Conditional Zone

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone



# 3T MRI Conditions - Trunk

## Freedom PNS STQ4/FR4A Implant

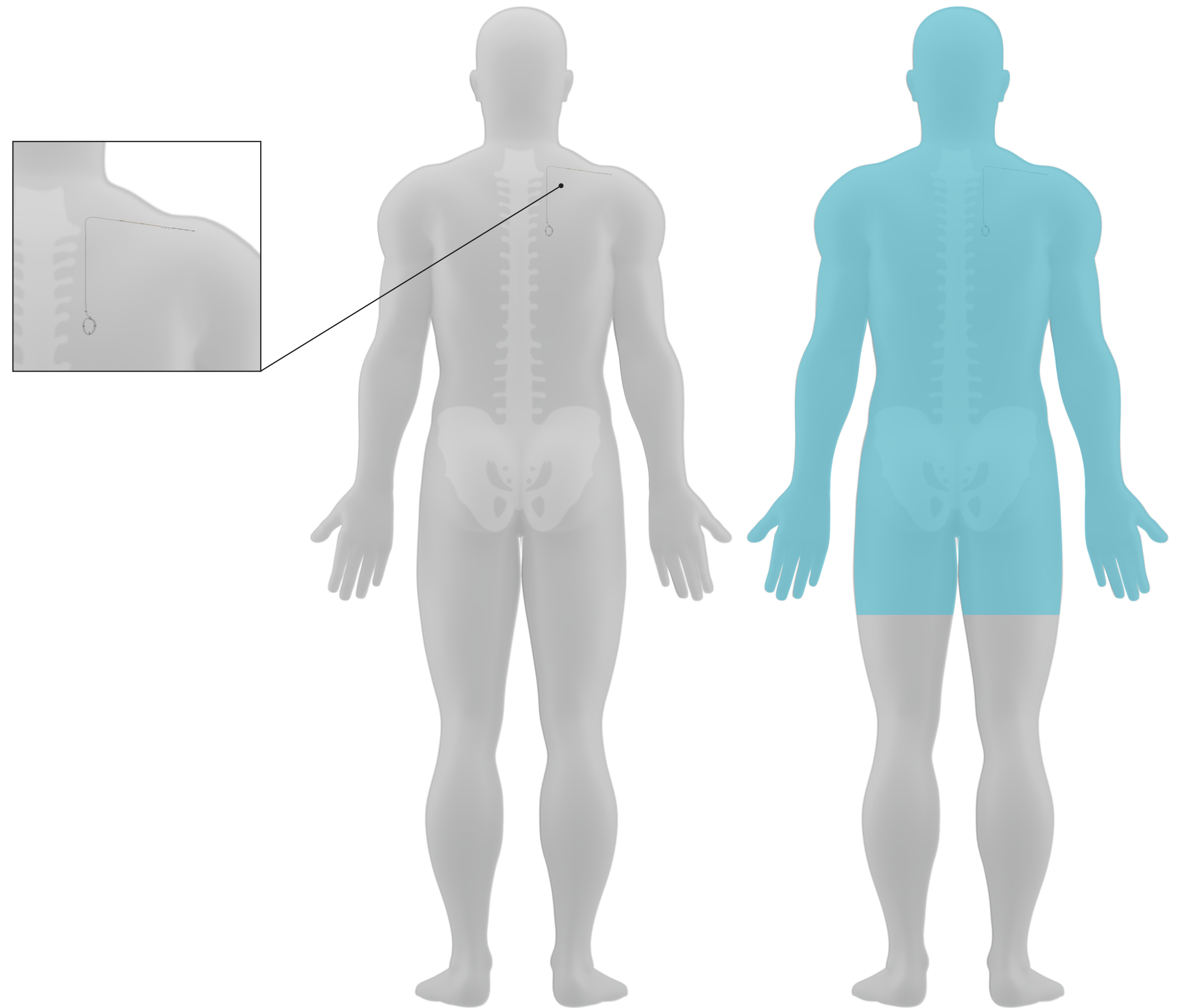
Static Magnetic Field Strength (B0)	3T
Implant Type	Freedom PNS STQ4-RCV-A0, STQ4-RCV-B0 STQ4-SPR-B0, FR4A-RCV-A0, FR4A-RCV-B0, FR4A-SPR-B0
Implant Region	Posterior Trunk
Common Implant Locations	C2 PNS, Brachial Plexus, Medial Branch, Cluneals, Suprascapular and Intercostal Nerves

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR	Conditional Zone
Zone 1	Head	Mid Thigh	0.82	0.7	0.4	
Zone 2	Mid Thigh	Foot	NOM	NOM	NOM	

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone



# 3T MRI Conditions - Spinal Cord

## Freedom SCS FR8A Implant

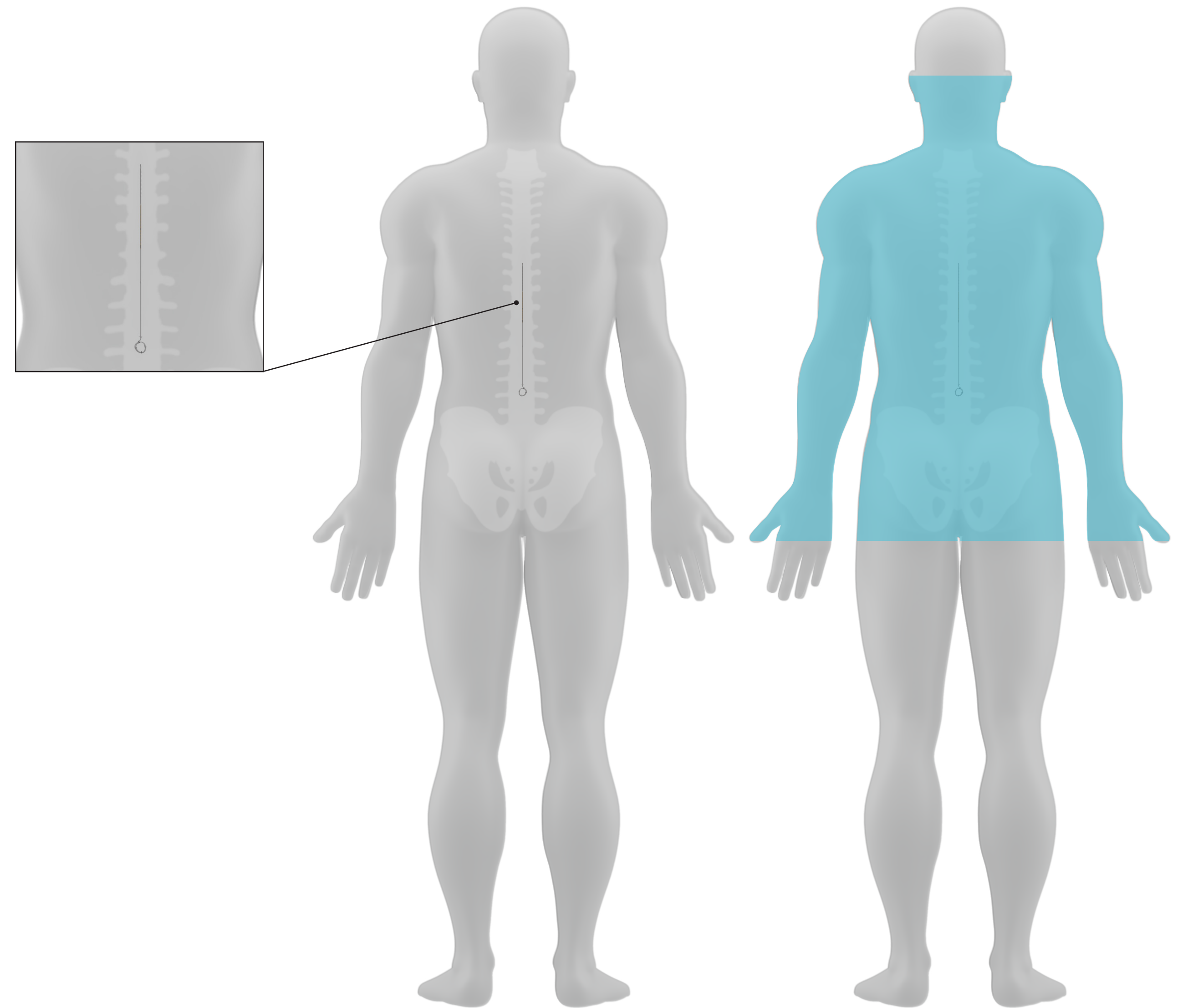
Static Magnetic Field Strength (B <sub>0</sub> )	3T
Implant Type	Freedom SCS FR8A-RCV-A0, FR8A-RCV-B0, FR8A-SPR-B0
Implant Region	Spinal Cord

Scan Zone	From	To	B <sub>1</sub> +rms (μT)	hdSAR	wbSAR	Conditional Zone
Zone 1	Eye	Pubis	0.41	0.3	0.1	
Zone 2	Pubis	Foot	NOM	NOM	NOM	

NOM = Normal Operating Mode

### NOTE:

Enter the patient's weight into the MR system console to ensure that the whole body averaged specific absorption rate (SAR) is estimated correctly.



Implant Location Example

Conditional Zone

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