

msk Sports Hernia/Osteitis Pubis/Pubalgia DISCOVERY MR750w

Technical Instructions

3-Plane Loc

Cor STIR

SAG T2 FSE CL fat

STRT-AX T2 FSE dk fat

OBL-Cor STIR

OBL-Cor T1 FSE

OBL-AX T2 FSE dk fat

OBL-AX PD

3-Plane Loc

3-Plane Loc

PATIENT POSITION

Coil Configuration:	Body 30 Small
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	Spin Echo
Imaging Options:	Seq, EDR, Fast, SS

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type: None

USER CVS

User CV1: 1.00
User CV2: 240.00
User CV13: 1.00
User CV16: None
User CV39: 1.00
User CV Mask2: 256

DIFFUSION

Synthetic b-values: 1
Synthetic b-value: 1000.0;
Recon All Images: On

SCAN TIMING

TE: 80.0
Number of Echoes: 1
TR: Minimum
Receiver Bandwidth: 62.50

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0
Mask Phase: 0
Mask Pause: 0

Preserve: 0

SCAN RANGE

FOV: 40.0

Slice Thickness: 5.0

Slice Spacing: 5.0

Table Delta: 0.00

ACQ TIMING

Freq: 256

Phase: 128

Freq DIR: Unswap

of Acq. Before Pause: 0

Phase FOV: 1.00

Auto Shim: Auto

Phase Correct: Off

RF Drive Mode: Quadrature

Excitation Mode: Selective

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Sacroiliac joint

Cor STIR

Cor STIR

PATIENT POSITION

Coil Configuration:	Body 30 Small
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, Seq, TRF, Fast, IrP

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

SAT Location S:	9990
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SAT Location I:	9990
Tag Spacing:	None
Tag Type:	None

USER CVS

User CV7:	None
User CV9:	None
User CV15:	None
User CV17:	1.00
User CV18:	None
User CV21:	1.00
User CV22:	1.00
User CV30:	1.00
User CV Mask2:	0

DIFFUSION

# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

SCAN TIMING

Flip Angle:	111
TE:	40.0
Number of Echoes:	1
TR:	5234.0
TI:	180
Echo Train Length:	8
Receiver Bandwidth:	41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

Preserve: 0

SCAN RANGE

FOV: 35.0

Slice Thickness: 5.0

Slice Spacing: 2.5

Table Delta: 0.00

ACQ TIMING

Freq: 320

Phase: 192

Freq DIR: Unswap

NEX: 1.00

Auto Shim: Auto

Phase Correct: Off

RF Drive Mode: Preset

Excitation Mode: Selective

Fat Shift DIR: Normal

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Sacroiliac joint

SAG T2 FSE CL fat

SAG T2 FSE CL fat

PATIENT POSITION

Coil Configuration:	Body 30 Small
Plane:	SAGITTAL

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	FC, TRF, Fast, FR

Image Recon

Intensity Filter:	None
Intensity Correction:	SCIC

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type:	None
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV7:	None
User CV8:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV22:	1.00
User CV30:	1.00
User CV Mask2:	0
TR Min:	2500.0
TR Max:	11000.0

DIFFUSION

# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

SCAN TIMING

Flip Angle:	111
TE:	80.0
Number of Echoes:	1
TR:	8675.0
Echo Train Length:	21

Receiver Bandwidth:	41.67
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GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
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Mask Phase:	0
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Mask Pause:	0
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Preserve:	0
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SCAN RANGE

FOV:	24.0
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Slice Thickness:	4.0
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Slice Spacing:	1.0
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Number of Slices:	39
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Table Delta:	0.00
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ACQ TIMING

Freq:	320
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Phase:	224
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Freq DIR:	S/I
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NEX:	3.00
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Phase FOV:	0.90
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Auto Shim:	Auto
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Phase Correct:	On
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Flow Comp Direction:	Freq
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RF Drive Mode:	Preset
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Excitation Mode:	Selective
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Fat Shift DIR:

Normal (S)

CONTRAST

Contrast Yes/No:

No

TRICKS

Pause On/Off:

On

Auto Subtract:

0

OTHERS

Anatomical Region:

Sacroiliac joint

STRT-AX T2 FSE dk fat

STRT-AX T2 FSE dk fat

PATIENT POSITION

Coil Configuration:	Body 30 Small
Plane:	AXIAL

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	FC, TRF, Fast, FR

Image Recon

Intensity Filter:	None
Intensity Correction:	SCIC

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type:	None
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV7:	None
User CV8:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV22:	1.00
User CV30:	1.00
User CV Mask2:	0

DIFFUSION

# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

SCAN TIMING

Flip Angle:	111
TE:	60.0
Number of Echoes:	1
TR:	2800.0
Echo Train Length:	8
Receiver Bandwidth:	41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

Preserve: 0

SCAN RANGE

FOV: 20.0

Slice Thickness: 4.0

Slice Spacing: 1.0

Number of Slices: 22

Table Delta: 0.00

ACQ TIMING

Freq: 320

Phase: 224

Freq DIR: R/L

NEX: 2.00

Phase FOV: 1.00

Auto Shim: Auto

Phase Correct: On

Flow Comp Direction: Slice

RF Drive Mode: Preset

Excitation Mode: Selective

Fat Shift DIR: Normal (L)

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Sacroiliac joint

OBL-Cor STIR

OBL-Cor STIR

PATIENT POSITION

Coil Configuration:	Body 30 Small
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	FC, NPW, Seq, TRF, Fast, IrP

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

SAT Location S:	9990
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SAT Location I:	9990
Tag Spacing:	None
Tag Type:	None

USER CVS

User CV7:	None
User CV15:	None
User CV18:	None
User CV21:	1.00
User CV22:	1.00
User CV30:	1.00
User CV Mask2:	0

DIFFUSION

# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

SCAN TIMING

Flip Angle:	111
TE:	40.0
Number of Echoes:	1
TR:	3525.0
TI:	180
Echo Train Length:	9
Receiver Bandwidth:	41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

Preserve: 0

SCAN RANGE

FOV: 24.0

Slice Thickness: 4.0

Slice Spacing: 1.0

Number of Slices: 24

Table Delta: 0.00

ACQ TIMING

Freq: 320

Phase: 192

Freq DIR: S/I

NEX: 2.00

of Acq. Before Pause: 0

Auto Shim: Auto

Phase Correct: Off

Flow Comp Direction: Freq

RF Drive Mode: Preset

Excitation Mode: Selective

Fat Shift DIR: Normal (I)

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Sacroiliac joint

OBL-Cor T1 FSE

OBL-Cor T1 FSE

PATIENT POSITION

Coil Configuration:	Body 30 Small
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	FC, NPW, EDR, TRF, Fast, ARC
Phase:	1.50

Image Recon

Intensity Filter:	None
Intensity Correction:	SCIC

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing: None

Tag Type: None

USER CVS

User CV6: None

User CV7: None

User CV8: None

User CV15: None

User CV16: None

User CV18: None

User CV21: None

User CV22: 1.00

User CV30: 1.00

User CV39: 1.00

User CV Mask2: 256

TR Min: 400.0

TR Max: 850.0

DIFFUSION

Synthetic b-values: 1

Synthetic b-value: 1000.0;

Recon All Images: On

SCAN TIMING

Flip Angle: 111

TE: 20.0

Number of Echoes: 1

TR: 529.0

Echo Train Length: 4

Receiver Bandwidth:	41.67
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GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
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Mask Phase:	0
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Mask Pause:	0
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Preserve:	0
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SCAN RANGE

FOV:	24.0
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Slice Thickness:	4.0
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Slice Spacing:	1.0
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Number of Slices:	24
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Table Delta:	0.00
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ACQ TIMING

Freq:	320
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Phase:	224
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Freq DIR:	S/I
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NEX:	2.00
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# of Acq. Before Pause:	0
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Auto Shim:	Auto
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Phase Correct:	On
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Flow Comp Direction:	Freq
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RF Drive Mode:	Preset
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Excitation Mode:	Selective
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Fat Shift DIR:

Normal (I)

CONTRAST

Contrast Yes/No:

No

TRICKS

Pause On/Off:

On

Auto Subtract:

0

OTHERS

Anatomical Region:

Sacroiliac joint

OBL-AX T2 FSE dk fat

OBL-AX T2 FSE dk fat

PATIENT POSITION

Coil Configuration:	Body 30 Small
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	FC, NPW, TRF, Fast, FR

Image Recon

Intensity Filter:	None
Intensity Correction:	SCIC

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type:	None
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV7:	None
User CV8:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV22:	1.00
User CV30:	1.00
User CV Mask2:	0
TR Min:	2500.0
TR Max:	11000.0

DIFFUSION

# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

SCAN TIMING

Flip Angle:	111
TE:	80.0
Number of Echoes:	1
TR:	5618.0
Echo Train Length:	19

Receiver Bandwidth:	41.67
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GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
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Mask Phase:	0
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Mask Pause:	0
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Preserve:	0
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SCAN RANGE

FOV:	20.0
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Slice Thickness:	4.0
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Slice Spacing:	1.0
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Number of Slices:	29
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Table Delta:	0.00
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ACQ TIMING

Freq:	320
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Phase:	224
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Freq DIR:	S/I
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NEX:	2.00
------	------

Auto Shim:	Auto
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Phase Correct:	On
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Flow Comp Direction:	Slice
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RF Drive Mode:	Preset
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Excitation Mode:	Selective
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Fat Shift DIR:

Normal (I)

CONTRAST

Contrast Yes/No:

No

TRICKS

Pause On/Off:

On

Auto Subtract:

0

OTHERS

Anatomical Region:

Sacroiliac joint

OBL-AX PD

OBL-AX PD

PATIENT POSITION

Coil Configuration:	Body 30 Small
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, FR

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type: None

USER CVS

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV21:	None
User CV22:	1.00
User CV30:	1.00
User CV39:	1.00
User CV Mask2:	256
TR Min:	2500.0
TR Max:	11000.0

DIFFUSION

# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

SCAN TIMING

Flip Angle:	111
TE:	20.0
Number of Echoes:	1
TR:	2500.0
Echo Train Length:	5
Receiver Bandwidth:	41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

Preserve: 0

SCAN RANGE

FOV: 20.0

Slice Thickness: 4.0

Slice Spacing: 1.0

Number of Slices: 29

Table Delta: 0.00

ACQ TIMING

Freq: 320

Phase: 224

Freq DIR: S/I

NEX: 2.00

Auto Shim: Auto

Phase Correct: On

RF Drive Mode: Quadrature

Excitation Mode: Selective

Fat Shift DIR: Normal (I)

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Sacroiliac joint