

Section A: KEY IDENTIFYING INFORMATION

A1. Study Identification Number _____ - _____ - _____ - _____

Replaced by blinded subject ID

subj_id	Blinded subject ID
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Blinded site ID <created var>

site_id	Blinded site ID
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A2. Acrostic Identifier _____

*Removed to protect privacy*A3. Date of cardiac MRI

__	__	/	__	__	/	__	__	__	__
M	M		D	D		Y	Y	Y	Y

Replaced by age

MRI_AGE	<created var> Age (yrs) of the subject at A3. Date of cardiac MRI
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A4. Date of form completion

__	__	/	__	__	/	__	__	__	__
M	M		D	D		Y	Y	Y	Y

Replaced by age

COMP_AGE	<created var> Age (yrs) of the subject at A4. Date of form completion
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A5. Name of person completing Section A

_____	_____
PRINT FULL NAME	INITIALS

*Removed to protect privacy***Section B: CARDIAC MRI PROTOCOL EQUIPMENT AND TECHNICAL PARAMETERS****SECTION B TO BE COMPLETED BY CARDIAC MRI LABORATORY CARDIOLOGIST, RADIOLOGIST, OR TECHNOLOGIST**B1. Name and title of person completing Section B

a.	_____
	PRINT FULL NAME
b.	_____
	TITLE

*Removed to protect privacy*B2. Scanner

a.	Manufacturer	GENERAL ELECTRIC..... 1
		SIEMENS 2
		PHILLIPS 3

OTHER..... 99

1. If OTHER, specify:

SCANMANU	B2a. Scanner: Manufacturer
SCANOTHR	B2a1. Scanner: Manufacturer: Other

b. Model

SCANMODL	B2b. Scanner: Model
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B3. Method of triggering cine sequences

RETROSPECTIVE 1

PROSPECTIVE 2

CINETRIG	B3. Method of triggering cine sequences
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Section B: CARDIAC MRI PROTOCOL EQUIPMENT AND TECHNICAL PARAMETERS (continued)

B4. Number of sequences _____ (1-16)

SEQNUM	B4. Number of sequences
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Sequence Number	a.	b.	c. Breath-hold		d.	e.	f.	g.
	Sequence Name Code Number (See code list below)	Location Code Number (See code list below)	YES	NO	Slice thickness (mm)	FOV (mm)	Matrix (pixels)	VENC (for PC only) (cm/sec)
1	_____ If Other, specify: _____	Localizer (SCOUT)	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
h. Comments:								

SEQNAME_0	B4a. Sequence Name Code Number (sequence 1)
SEQNAMOT_0	B4a1. Specify other sequence name (sequence 1)
LOCATION_0	B4b. Location Code Number (sequence 1)
LOCATOTH_0	B4b1. Specify other location (sequence 1)
BRTHHOLD_0	B4c. Breath-hold (yes/no) (sequence 1)
SLICETHK_0	B4d. Slice thickness (mm) (sequence 1)
FOV1_0	B4e1. FOV 1 (mm) (sequence 1)
FOV2_0	B4e2. FOV 2 (mm) (sequence 1)
MATRIX1_0	B4f1. Matrix 1 (pixels) (sequence 1)
MATRIX2_0	B4f2. Matrix 2 (pixels) (sequence 1)
TE_0	B4g. TE (msec) (sequence 1)
TR_0	B4h. TR (msec) (sequence 1)
BW_0	B4i. BW (kHz) (sequence 1)
NSA_0	B4j. NSA (sequence 1)
FLIPANGL_0	B4k. Flip (tip) angle (degrees) (sequence 1)
ETLVPS_0	B4l. ETL or VPS (sequence 1)
VENC_0	B4m. VENC (for PC only, cm/sec) (sequence 1)
SEQCOMM_0	B4n. Comments (sequence 1)

2	_____ If Other, specify: _____	_____ If Other, specify: _____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
h. Comments:								

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SEQNAME_1	B4a. Sequence Name Code Number (sequence 2)
SEQNAMOT_1	B4a1. Specify other sequence name (sequence 2)
LOCATION_1	B4b. Location Code Number (sequence 2)
LOCATOTH_1	B4b1. Specify other location (sequence 2)
BRTHHOLD_1	B4c. Breath-hold (yes/no) (sequence 2)
SLICETHK_1	B4d. Slice thickness (mm) (sequence 2)
FOV1_1	B4e1. FOV 1 (mm) (sequence 2)
FOV2_1	B4e2. FOV 2 (mm) (sequence 2)
MATRIX1_1	B4f1. Matrix 1 (pixels) (sequence 2)
MATRIX2_1	B4f2. Matrix 2 (pixels) (sequence 2)
TE_1	B4g. TE (msec) (sequence 2)
TR_1	B4h. TR (msec) (sequence 2)
BW_1	B4i. BW (kHz) (sequence 2)
NSA_1	B4j. NSA (sequence 2)
FLIPANGL_1	B4k. Flip (tip) angle (degrees) (sequence 2)
ETLVPS_1	B4l. ETL or VPS (sequence 2)
VENC_1	B4m. VENC (for PC only, cm/sec) (sequence 2)
SEQCOMM_1	B4n. Comments (sequence 2)

3	_____	_____	1	2	____.____	1. _____	1. _____	_____
	If Other, specify: _____	If Other, specify: _____				x	x	
						2. _____	2. _____	
h. Comments:								

SEQNAME_2	B4a. Sequence Name Code Number (sequence 3)
SEQNAMOT_2	B4a1. Specify other sequence name (sequence 3)
LOCATION_2	B4b. Location Code Number (sequence 3)
LOCATOTH_2	B4b1. Specify other location (sequence 3)
BRTHHOLD_2	B4c. Breath-hold (yes/no) (sequence 3)
SLICETHK_2	B4d. Slice thickness (mm) (sequence 3)
FOV1_2	B4e1. FOV 1 (mm) (sequence 3)
FOV2_2	B4e2. FOV 2 (mm) (sequence 3)
MATRIX1_2	B4f1. Matrix 1 (pixels) (sequence 3)
MATRIX2_2	B4f2. Matrix 2 (pixels) (sequence 3)
TE_2	B4g. TE (msec) (sequence 3)
TR_2	B4h. TR (msec) (sequence 3)
BW_2	B4i. BW (kHz) (sequence 3)
NSA_2	B4j. NSA (sequence 3)
FLIPANGL_2	B4k. Flip (tip) angle (degrees) (sequence 3)
ETLVPS_2	B4l. ETL or VPS (sequence 3)
VENC_2	B4m. VENC (for PC only, cm/sec) (sequence 3)
SEQCOMM_2	B4n. Comments (sequence 3)

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4	_____	_____	1	2	_____	1. _____ x 2. _____	1. _____ x 2. _____	_____
	If Other, specify: _____	If Other, specify: _____						
h. Comments:								

SEQNAME_3	B4a. Sequence Name Code Number (sequence 4)
SEQNAMOT_3	B4a1. Specify other sequence name (sequence 4)
LOCATION_3	B4b. Location Code Number (sequence 4)
LOCATOTH_3	B4b1. Specify other location (sequence 4)
BRTHHOLD_3	B4c. Breath-hold (yes/no) (sequence 4)
SLICETHK_3	B4d. Slice thickness (mm) (sequence 4)
FOV1_3	B4e1. FOV 1 (mm) (sequence 4)
FOV2_3	B4e2. FOV 2 (mm) (sequence 4)
MATRIX1_3	B4f1. Matrix 1 (pixels) (sequence 4)
MATRIX2_3	B4f2. Matrix 2 (pixels) (sequence 4)
TE_3	B4g. TE (msec) (sequence 4)
TR_3	B4h. TR (msec) (sequence 4)
BW_3	B4i. BW (kHz) (sequence 4)
NSA_3	B4j. NSA (sequence 4)
FLIPANGL_3	B4k. Flip (tip) angle (degrees) (sequence 4)
ETLVPS_3	B4l. ETL or VPS (sequence 4)
VENC_3	B4m. VENC (for PC only, cm/sec) (sequence 4)
SEQCOMM_3	B4n. Comments (sequence 4)

Cardiac MRI Sequence Name Code List					
Code	MRI Sequence Name	Code	MRI Sequence Name	Code	MRI Sequence Name
01	Non-gated fast (turbo) gradient echo	04	Standard spin echo	07	Fast (turbo) phase contrast
02	ECG-gated fast (turbo) gradient echo	05	Fast (turbo) spin echo	08	Contrast-enhanced MRA
03	ECG-gated steady state free precession	06	Phase contrast	99	Other

Cardiac MRI Location Code List		Code	Location	Code	Location
01	2-chamber	06	SVC	11	Main pulmonary artery
02	4-chamber	07	IVC/Right atrium junction	12	Coronal stack
03	Short axis	08	IVC-SVC pathway (tunnel or conduit)	13	Axial stack
04	Ascending aorta	09	Right pulmonary artery	14	Sagittal stack
05	AV valve(s)	10	Left pulmonary artery	99	Other

Abbreviations	
FOV:	Field of view
VENC:	Velocity encoding

Form F14C: Fontan Cardiac MRI Technical Parameters Form

Sequence Number	a.	b.	c. Breath-hold		d.	e.	f.	g.
	Sequence Name Code Number (See code list below)	Location Code Number (See code list below)	YES	NO	Slice thickness (mm)	FOV (mm)	Matrix (pixels)	VENC (for PC only) (cm/sec)
5	_____ If Other, specify: _____	_____ If Other, specify: _____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
h. Comments:								

SEQNAME_4	B4a. Sequence Name Code Number (sequence 5)
SEQNAMOT_4	B4a1. Specify other sequence name (sequence 5)
LOCATION_4	B4b. Location Code Number (sequence 5)
LOCATOTH_4	B4b1. Specify other location (sequence 5)
BRTHHOLD_4	B4c. Breath-hold (yes/no) (sequence 5)
SLICETHK_4	B4d. Slice thickness (mm) (sequence 5)
FOV1_4	B4e1. FOV 1 (mm) (sequence 5)
FOV2_4	B4e2. FOV 2 (mm) (sequence 5)
MATRIX1_4	B4f1. Matrix 1 (pixels) (sequence 5)
MATRIX2_4	B4f2. Matrix 2 (pixels) (sequence 5)
TE_4	B4g. TE (msec) (sequence 5)
TR_4	B4h. TR (msec) (sequence 5)
BW_4	B4i. BW (kHz) (sequence 5)
NSA_4	B4j. NSA (sequence 5)
FLIPANGL_4	B4k. Flip (tip) angle (degrees) (sequence 5)
ETLVPS_4	B4l. ETL or VPS (sequence 5)
VENC_4	B4m. VENC (for PC only, cm/sec) (sequence 5)
SEQCOMM_4	B4n. Comments (sequence 5)

6	_____ If Other, specify: _____	_____ If Other, specify: _____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
h. Comments:								

SEQNAME_5	B4a. Sequence Name Code Number (sequence 6)
SEQNAMOT_5	B4a1. Specify other sequence name (sequence 6)
LOCATION_5	B4b. Location Code Number (sequence 6)
LOCATOTH_5	B4b1. Specify other location (sequence 6)
BRTHHOLD_5	B4c. Breath-hold (yes/no) (sequence 6)

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SLICETHK_5	B4d. Slice thickness (mm) (sequence 6)
FOV1_5	B4e1. FOV 1 (mm) (sequence 6)
FOV2_5	B4e2. FOV 2 (mm) (sequence 6)
MATRIX1_5	B4f1. Matrix 1 (pixels) (sequence 6)
MATRIX2_5	B4f2. Matrix 2 (pixels) (sequence 6)
TE_5	B4g. TE (msec) (sequence 6)
TR_5	B4h. TR (msec) (sequence 6)
BW_5	B4i. BW (kHz) (sequence 6)
NSA_5	B4j. NSA (sequence 6)
FLIPANGL_5	B4k. Flip (tip) angle (degrees) (sequence 6)
ETLVPS_5	B4l. ETL or VPS (sequence 6)
VENC_5	B4m. VENC (for PC only, cm/sec) (sequence 6)
SEQCOMM_5	B4n. Comments (sequence 6)

7	_____	_____	1	2	____.	1. _____	1. _____	_____
	If Other, specify: _____	If Other, specify: _____				x	x	
						2. _____	2. _____	
h. Comments:								

SEQNAME_6	B4a. Sequence Name Code Number (sequence 7)
SEQNAMOT_6	B4a1. Specify other sequence name (sequence 7)
LOCATION_6	B4b. Location Code Number (sequence 7)
LOCATOTH_6	B4b1. Specify other location (sequence 7)
BRTHOLD_6	B4c. Breath-hold (yes/no) (sequence 7)
SLICETHK_6	B4d. Slice thickness (mm) (sequence 7)
FOV1_6	B4e1. FOV 1 (mm) (sequence 7)
FOV2_6	B4e2. FOV 2 (mm) (sequence 7)
MATRIX1_6	B4f1. Matrix 1 (pixels) (sequence 7)
MATRIX2_6	B4f2. Matrix 2 (pixels) (sequence 7)
TE_6	B4g. TE (msec) (sequence 7)
TR_6	B4h. TR (msec) (sequence 7)
BW_6	B4i. BW (kHz) (sequence 7)
NSA_6	B4j. NSA (sequence 7)
FLIPANGL_6	B4k. Flip (tip) angle (degrees) (sequence 7)
ETLVPS_6	B4l. ETL or VPS (sequence 7)
VENC_6	B4m. VENC (for PC only, cm/sec) (sequence 7)
SEQCOMM_6	B4n. Comments (sequence 7)

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8	_____	_____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
	If Other, specify: _____	If Other, specify: _____						
h. Comments:								

SEQNAME_7	B4a. Sequence Name Code Number (sequence 8)
SEQNAMOT_7	B4a1. Specify other sequence name (sequence 8)
LOCATION_7	B4b. Location Code Number (sequence 8)
LOCATOTH_7	B4b1. Specify other location (sequence 8)
BRTHHOLD_7	B4c. Breath-hold (yes/no) (sequence 8)
SLICETHK_7	B4d. Slice thickness (mm) (sequence 8)
FOV1_7	B4e1. FOV 1 (mm) (sequence 8)
FOV2_7	B4e2. FOV 2 (mm) (sequence 8)
MATRIX1_7	B4f1. Matrix 1 (pixels) (sequence 8)
MATRIX2_7	B4f2. Matrix 2 (pixels) (sequence 8)
TE_7	B4g. TE (msec) (sequence 8)
TR_7	B4h. TR (msec) (sequence 8)
BW_7	B4i. BW (kHz) (sequence 8)
NSA_7	B4j. NSA (sequence 8)
FLIPANGL_7	B4k. Flip (tip) angle (degrees) (sequence 8)
ETLVPS_7	B4l. ETL or VPS (sequence 8)
VENC_7	B4m. VENC (for PC only, cm/sec) (sequence 8)
SEQCOMM_7	B4n. Comments (sequence 8)

Cardiac MRI Sequence Name Code List						Abbreviations	
Code	MRI Sequence Name	Code	MRI Sequence Name	Code	MRI Sequence Name	FOV:	Field of view
01	Non-gated fast (turbo) gradient echo	04	Standard spin echo	07	Fast (turbo) phase contrast	VENC:	Velocity encoding
02	ECG-gated fast (turbo) gradient echo	05	Fast (turbo) spin echo	08	Contrast-enhanced MRA		
03	ECG-gated steady state free precession	06	Phase contrast	99	Other		

Cardiac MRI Location Code List					
Code	Location	Code	Location	Code	Location
01	2-chamber	06	SVC	11	Main pulmonary artery
02	4-chamber	07	IVC/Right atrium junction	12	Coronal stack
03	Short axis	08	IVC-SVC pathway (tunnel or conduit)	13	Axial stack
04	Ascending aorta	09	Right pulmonary artery	14	Sagittal stack
05	AV valve(s)	10	Left pulmonary artery	99	Other

Form F14C: Fontan Cardiac MRI Technical Parameters Form

Sequence Number	a.	b.	c. Breath-hold		d.	e.	f.	g.
	Sequence Name Code Number (See code list below)	Location Code Number (See code list below)	YES	NO	Slice thickness (mm)	FOV (mm)	Matrix (pixels)	VENC (for PC only) (cm/sec)
9	_____ If Other, specify: _____	_____ If Other, specify: _____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
h. Comments:								

SEQNAME_8	B4a. Sequence Name Code Number (sequence 9)
SEQNAMOT_8	B4a1. Specify other sequence name (sequence 9)
LOCATION_8	B4b. Location Code Number (sequence 9)
LOCATOTH_8	B4b1. Specify other location (sequence 9)
BRTHOLD_8	B4c. Breath-hold (yes/no) (sequence 9)
SLICETHK_8	B4d. Slice thickness (mm) (sequence 9)
FOV1_8	B4e1. FOV 1 (mm) (sequence 9)
FOV2_8	B4e2. FOV 2 (mm) (sequence 9)
MATRIX1_8	B4f1. Matrix 1 (pixels) (sequence 9)
MATRIX2_8	B4f2. Matrix 2 (pixels) (sequence 9)
TE_8	B4g. TE (msec) (sequence 9)
TR_8	B4h. TR (msec) (sequence 9)
BW_8	B4i. BW (kHz) (sequence 9)
NSA_8	B4j. NSA (sequence 9)
FLIPANGL_8	B4k. Flip (tip) angle (degrees) (sequence 9)
ETLVPS_8	B4l. ETL or VPS (sequence 9)
VENC_8	B4m. VENC (for PC only, cm/sec) (sequence 9)
SEQCOMM_8	B4n. Comments (sequence 9)

10	_____ If Other, specify: _____	_____ If Other, specify: _____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
h. Comments:								

SEQNAME_9	B4a. Sequence Name Code Number (sequence 10)
SEQNAMOT_9	B4a1. Specify other sequence name (sequence 10)
LOCATION_9	B4b. Location Code Number (sequence 10)
LOCATOTH_9	B4b1. Specify other location (sequence 10)
BRTHOLD_9	B4c. Breath-hold (yes/no) (sequence 10)

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SLICETHK_9	B4d. Slice thickness (mm) (sequence 10)
FOV1_9	B4e1. FOV 1 (mm) (sequence 10)
FOV2_9	B4e2. FOV 2 (mm) (sequence 10)
MATRIX1_9	B4f1. Matrix 1 (pixels) (sequence 10)
MATRIX2_9	B4f2. Matrix 2 (pixels) (sequence 10)
TE_9	B4g. TE (msec) (sequence 10)
TR_9	B4h. TR (msec) (sequence 10)
BW_9	B4i. BW (kHz) (sequence 10)
NSA_9	B4j. NSA (sequence 10)
FLIPANGL_9	B4k. Flip (tip) angle (degrees) (sequence 10)
ETLVPS_9	B4l. ETL or VPS (sequence 10)
VENC_9	B4m. VENC (for PC only, cm/sec) (sequence 10)
SEQCOMM_9	B4n. Comments (sequence 10)

11	_____	_____	1	2	_____.	1. _____	1. _____	_____
	If Other, specify: _____	If Other, specify: _____				x	x	
						2. _____	2. _____	
h. Comments:								

SEQNAME_10	B4a. Sequence Name Code Number (sequence 11)
SEQNAMOT_10	B4a1. Specify other sequence name (sequence 11)
LOCATION_10	B4b. Location Code Number (sequence 11)
LOCATOTH_10	B4b1. Specify other location (sequence 11)
BRTHHOLD_10	B4c. Breath-hold (yes/no) (sequence 11)
SLICETHK_10	B4d. Slice thickness (mm) (sequence 11)
FOV1_10	B4e1. FOV 1 (mm) (sequence 11)
FOV2_10	B4e2. FOV 2 (mm) (sequence 11)
MATRIX1_10	B4f1. Matrix 1 (pixels) (sequence 11)
MATRIX2_10	B4f2. Matrix 2 (pixels) (sequence 11)
TE_10	B4g. TE (msec) (sequence 11)
TR_10	B4h. TR (msec) (sequence 11)
BW_10	B4i. BW (kHz) (sequence 11)
NSA_10	B4j. NSA (sequence 11)
FLIPANGL_10	B4k. Flip (tip) angle (degrees) (sequence 11)
ETLVPS_10	B4l. ETL or VPS (sequence 11)
VENC_10	B4m. VENC (for PC only, cm/sec) (sequence 11)
SEQCOMM_10	B4n. Comments (sequence 11)

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12	_____	_____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
	If Other, specify: _____	If Other, specify: _____						
h. Comments:								

SEQNAME_11	B4a. Sequence Name Code Number (sequence 12)
SEQNAMOT_11	B4a1. Specify other sequence name (sequence 12)
LOCATION_11	B4b. Location Code Number (sequence 12)
LOCATOTH_11	B4b1. Specify other location (sequence 12)
BRTHOLD_11	B4c. Breath-hold (yes/no) (sequence 12)
SLICETHK_11	B4d. Slice thickness (mm) (sequence 12)
FOV1_11	B4e1. FOV 1 (mm) (sequence 12)
FOV2_11	B4e2. FOV 2 (mm) (sequence 12)
MATRIX1_11	B4f1. Matrix 1 (pixels) (sequence 12)
MATRIX2_11	B4f2. Matrix 2 (pixels) (sequence 12)
TE_11	B4g. TE (msec) (sequence 12)
TR_11	B4h. TR (msec) (sequence 12)
BW_11	B4i. BW (kHz) (sequence 12)
NSA_11	B4j. NSA (sequence 12)
FLIPANGL_11	B4k. Flip (tip) angle (degrees) (sequence 12)
ETLVPS_11	B4l. ETL or VPS (sequence 12)
VENC_11	B4m. VENC (for PC only, cm/sec) (sequence 12)
SEQCOMM_11	B4n. Comments (sequence 12)

Cardiac MRI Sequence Name Code List						Abbreviations	
Code	MRI Sequence Name	Code	MRI Sequence Name	Code	MRI Sequence Name	FOV:	Field of view
01	Non-gated fast (turbo) gradient echo	04	Standard spin echo	07	Fast (turbo) phase contrast	VENC:	Velocity encoding
02	ECG-gated fast (turbo) gradient echo	05	Fast (turbo) spin echo	08	Contrast-enhanced MRA		
03	ECG-gated steady state free precession	06	Phase contrast	99	Other		

Cardiac MRI Location Code List					
Code	Location	Code	Location	Code	Location
01	2-chamber	06	SVC	11	Main pulmonary artery
02	4-chamber	07	IVC/Right atrium junction	12	Coronal stack
03	Short axis	08	IVC-SVC pathway (tunnel or conduit)	13	Axial stack
04	Ascending aorta	09	Right pulmonary artery	14	Sagittal stack
05	AV valve(s)	10	Left pulmonary artery	99	Other

Form F14C: Fontan Cardiac MRI Technical Parameters Form

Sequence Number	a.	b.	c. Breath-hold		d.	e.	f.	g.
	Sequence Name Code Number (See code list below)	Location Code Number (See code list below)	YES	NO	Slice thickness (mm)	FOV (mm)	Matrix (pixels)	VENC (for PC only) (cm/sec)
13	_____ If Other, specify: _____	_____ If Other, specify: _____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
h. Comments:								

SEQNAME_12	B4a. Sequence Name Code Number (sequence 13)
SEQNAMOT_12	B4a1. Specify other sequence name (sequence 13)
LOCATION_12	B4b. Location Code Number (sequence 13)
LOCATOTH_12	B4b1. Specify other location (sequence 13)
BRTHHOLD_12	B4c. Breath-hold (yes/no) (sequence 13)
SLICETHK_12	B4d. Slice thickness (mm) (sequence 13)
FOV1_12	B4e1. FOV 1 (mm) (sequence 13)
FOV2_12	B4e2. FOV 2 (mm) (sequence 13)
MATRIX1_12	B4f1. Matrix 1 (pixels) (sequence 13)
MATRIX2_12	B4f2. Matrix 2 (pixels) (sequence 13)
TE_12	B4g. TE (msec) (sequence 13)
TR_12	B4h. TR (msec) (sequence 13)
BW_12	B4i. BW (kHz) (sequence 13)
NSA_12	B4j. NSA (sequence 13)
FLIPANGL_12	B4k. Flip (tip) angle (degrees) (sequence 13)
ETLVPS_12	B4l. ETL or VPS (sequence 13)
VENC_12	B4m. VENC (for PC only, cm/sec) (sequence 13)
SEQCOMM_12	B4n. Comments (sequence 13)

14	_____ If Other, specify: _____	_____ If Other, specify: _____	1	2	____.____	1. _____ x 2. _____	1. _____ x 2. _____	_____
h. Comments:								

SEQNAME_13	B4a. Sequence Name Code Number (sequence 14)
SEQNAMOT_13	B4a1. Specify other sequence name (sequence 14)
LOCATION_13	B4b. Location Code Number (sequence 14)
LOCATOTH_13	B4b1. Specify other location (sequence 14)
BRTHHOLD_13	B4c. Breath-hold (yes/no) (sequence 14)

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SLICETHK_13	B4d. Slice thickness (mm) (sequence 14)
FOV1_13	B4e1. FOV 1 (mm) (sequence 14)
FOV2_13	B4e2. FOV 2 (mm) (sequence 14)
MATRIX1_13	B4f1. Matrix 1 (pixels) (sequence 14)
MATRIX2_13	B4f2. Matrix 2 (pixels) (sequence 14)
TE_13	B4g. TE (msec) (sequence 14)
TR_13	B4h. TR (msec) (sequence 14)
BW_13	B4i. BW (kHz) (sequence 14)
NSA_13	B4j. NSA (sequence 14)
FLIPANGL_13	B4k. Flip (tip) angle (degrees) (sequence 14)
ETLVPS_13	B4l. ETL or VPS (sequence 14)
VENC_13	B4m. VENC (for PC only, cm/sec) (sequence 14)
SEQCOMM_13	B4n. Comments (sequence 14)

15	_____	_____	1	2	____.	1. _____	1. _____	_____
	If Other, specify: _____	If Other, specify: _____				x	x	
						2. _____	2. _____	
h. Comments:								

SEQNAME_14	B4a. Sequence Name Code Number (sequence 15)
SEQNAMOT_14	B4a1. Specify other sequence name (sequence 15)
LOCATION_14	B4b. Location Code Number (sequence 15)
LOCATOTH_14	B4b1. Specify other location (sequence 15)
BRTHHOLD_14	B4c. Breath-hold (yes/no) (sequence 15)
SLICETHK_14	B4d. Slice thickness (mm) (sequence 15)
FOV1_14	B4e1. FOV 1 (mm) (sequence 15)
FOV2_14	B4e2. FOV 2 (mm) (sequence 15)
MATRIX1_14	B4f1. Matrix 1 (pixels) (sequence 15)
MATRIX2_14	B4f2. Matrix 2 (pixels) (sequence 15)
TE_14	B4g. TE (msec) (sequence 15)
TR_14	B4h. TR (msec) (sequence 15)
BW_14	B4i. BW (kHz) (sequence 15)
NSA_14	B4j. NSA (sequence 15)
FLIPANGL_14	B4k. Flip (tip) angle (degrees) (sequence 15)
ETLVPS_14	B4l. ETL or VPS (sequence 15)
VENC_14	B4m. VENC (for PC only, cm/sec) (sequence 15)
SEQCOMM_14	B4n. Comments (sequence 15)

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16	_____	_____	1	2	____.____	1. _____	1. _____	_____
	If Other, specify: _____	If Other, specify: _____				x	x	
						2. _____	2. _____	
h. Comments:								

SEQNAME_15	B4a. Sequence Name Code Number (sequence 16)
SEQNAMOT_15	B4a1. Specify other sequence name (sequence 16)
LOCATION_15	B4b. Location Code Number (sequence 16)
LOCATOTH_15	B4b1. Specify other location (sequence 16)
BRTHHOLD_15	B4c. Breath-hold (yes/no) (sequence 16)
SLICETHK_15	B4d. Slice thickness (mm) (sequence 16)
FOV1_15	B4e1. FOV 1 (mm) (sequence 16)
FOV2_15	B4e2. FOV 2 (mm) (sequence 16)
MATRIX1_15	B4f1. Matrix 1 (pixels) (sequence 16)
MATRIX2_15	B4f2. Matrix 2 (pixels) (sequence 16)
TE_15	B4g. TE (msec) (sequence 16)
TR_15	B4h. TR (msec) (sequence 16)
BW_15	B4i. BW (kHz) (sequence 16)
NSA_15	B4j. NSA (sequence 16)
FLIPANGL_15	B4k. Flip (tip) angle (degrees) (sequence 16)
ETLVPS_15	B4l. ETL or VPS (sequence 16)
VENC_15	B4m. VENC (for PC only, cm/sec) (sequence 16)
SEQCOMM_15	B4n. Comments (sequence 16)

Cardiac MRI Sequence Name Code List						Abbreviations	
Code	MRI Sequence Name	Code	MRI Sequence Name	Code	MRI Sequence Name	FOV:	Field of view
01	Non-gated fast (turbo) gradient echo	04	Standard spin echo	07	Fast (turbo) phase contrast	VENC:	Velocity encoding
02	ECG-gated fast (turbo) gradient echo	05	Fast (turbo) spin echo	08	Contrast-enhanced MRA		
03	ECG-gated steady state free precession	06	Phase contrast	99	Other		

Cardiac MRI Location Code List					
Code	Location	Code	Location	Code	Location
01	2-chamber	06	SVC	11	Main pulmonary artery
02	4-chamber	07	IVC/Right atrium junction	12	Coronal stack
03	Short axis	08	IVC-SVC pathway (tunnel or conduit)	13	Axial stack
04	Ascending aorta	09	Right pulmonary artery	14	Sagittal stack
05	AV valve(s)	10	Left pulmonary artery	99	Other

SEQNAME_16	B4a. Sequence Name Code Number (sequence 17)
SEQNAMOT_16	B4a1. Specify other sequence name (sequence 17)
LOCATION_16	B4b. Location Code Number (sequence 17)
LOCATOTH_16	B4b1. Specify other location (sequence 17)
BRTHHOLD_16	B4c. Breath-hold (yes/no) (sequence 17)
SLICETHK_16	B4d. Slice thickness (mm) (sequence 17)
FOV1_16	B4e1. FOV 1 (mm) (sequence 17)
FOV2_16	B4e2. FOV 2 (mm) (sequence 17)
MATRIX1_16	B4f1. Matrix 1 (pixels) (sequence 17)

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MATRIX2_16	B4f2. Matrix 2 (pixels) (sequence 17)
TE_16	B4g. TE (msec) (sequence 17)
TR_16	B4h. TR (msec) (sequence 17)
BW_16	B4i. BW (kHz) (sequence 17)
NSA_16	B4j. NSA (sequence 17)
FLIPANGL_16	B4k. Flip (tip) angle (degrees) (sequence 17)
ETLVPS_16	B4l. ETL or VPS (sequence 17)
VENC_16	B4m. VENC (for PC only, cm/sec) (sequence 17)
SEQCOMM_16	B4n. Comments (sequence 17)
SEQNAME_17	B4a. Sequence Name Code Number (sequence 18)
SEQNAMOT_17	B4a1. Specify other sequence name (sequence 18)
LOCATION_17	B4b. Location Code Number (sequence 18)
LOCATOTH_17	B4b1. Specify other location (sequence 18)
BRTHHOLD_17	B4c. Breath-hold (yes/no) (sequence 18)
SLICETHK_17	B4d. Slice thickness (mm) (sequence 18)
FOV1_17	B4e1. FOV 1 (mm) (sequence 18)
FOV2_17	B4e2. FOV 2 (mm) (sequence 18)
MATRIX1_17	B4f1. Matrix 1 (pixels) (sequence 18)
MATRIX2_17	B4f2. Matrix 2 (pixels) (sequence 18)
TE_17	B4g. TE (msec) (sequence 18)
TR_17	B4h. TR (msec) (sequence 18)
BW_17	B4i. BW (kHz) (sequence 18)
NSA_17	B4j. NSA (sequence 18)
FLIPANGL_17	B4k. Flip (tip) angle (degrees) (sequence 18)
ETLVPS_17	B4l. ETL or VPS (sequence 18)
VENC_17	B4m. VENC (for PC only, cm/sec) (sequence 18)
SEQCOMM_17	B4n. Comments (sequence 18)
SEQNAME_18	B4a. Sequence Name Code Number (sequence 19)
SEQNAMOT_18	B4a1. Specify other sequence name (sequence 19)
LOCATION_18	B4b. Location Code Number (sequence 19)
LOCATOTH_18	B4b1. Specify other location (sequence 19)
BRTHHOLD_18	B4c. Breath-hold (yes/no) (sequence 19)
SLICETHK_18	B4d. Slice thickness (mm) (sequence 19)
FOV1_18	B4e1. FOV 1 (mm) (sequence 19)
FOV2_18	B4e2. FOV 2 (mm) (sequence 19)
MATRIX1_18	B4f1. Matrix 1 (pixels) (sequence 19)
MATRIX2_18	B4f2. Matrix 2 (pixels) (sequence 19)
TE_18	B4g. TE (msec) (sequence 19)
TR_18	B4h. TR (msec) (sequence 19)
BW_18	B4i. BW (kHz) (sequence 19)
NSA_18	B4j. NSA (sequence 19)
FLIPANGL_18	B4k. Flip (tip) angle (degrees) (sequence 19)
ETLVPS_18	B4l. ETL or VPS (sequence 19)
VENC_18	B4m. VENC (for PC only, cm/sec) (sequence 19)
SEQCOMM_18	B4n. Comments (sequence 19)
SEQNAME_19	B4a. Sequence Name Code Number (sequence 20)

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SEQNAMOT_19	B4a1. Specify other sequence name (sequence 20)
LOCATION_19	B4b. Location Code Number (sequence 20)
LOCATOTH_19	B4b1. Specify other location (sequence 20)
BRTHHOLD_19	B4c. Breath-hold (yes/no) (sequence 20)
SLICETHK_19	B4d. Slice thickness (mm) (sequence 20)
FOV1_19	B4e1. FOV 1 (mm) (sequence 20)
FOV2_19	B4e2. FOV 2 (mm) (sequence 20)
MATRIX1_19	B4f1. Matrix 1 (pixels) (sequence 20)
MATRIX2_19	B4f2. Matrix 2 (pixels) (sequence 20)
TE_19	B4g. TE (msec) (sequence 20)
TR_19	B4h. TR (msec) (sequence 20)
BW_19	B4i. BW (kHz) (sequence 20)
NSA_19	B4j. NSA (sequence 20)
FLIPANGL_19	B4k. Flip (tip) angle (degrees) (sequence 20)
ETLVPS_19	B4l. ETL or VPS (sequence 20)
VENC_19	B4m. VENC (for PC only, cm/sec) (sequence 20)
SEQCOMM_19	B4n. Comments (sequence 20)
SEQNAME_20	B4a. Sequence Name Code Number (sequence 21)
SEQNAMOT_20	B4a1. Specify other sequence name (sequence 21)
LOCATION_20	B4b. Location Code Number (sequence 21)
LOCATOTH_20	B4b1. Specify other location (sequence 21)
BRTHHOLD_20	B4c. Breath-hold (yes/no) (sequence 21)
SLICETHK_20	B4d. Slice thickness (mm) (sequence 21)
FOV1_20	B4e1. FOV 1 (mm) (sequence 21)
FOV2_20	B4e2. FOV 2 (mm) (sequence 21)
MATRIX1_20	B4f1. Matrix 1 (pixels) (sequence 21)
MATRIX2_20	B4f2. Matrix 2 (pixels) (sequence 21)
TE_20	B4g. TE (msec) (sequence 21)
TR_20	B4h. TR (msec) (sequence 21)
BW_20	B4i. BW (kHz) (sequence 21)
NSA_20	B4j. NSA (sequence 21)
FLIPANGL_20	B4k. Flip (tip) angle (degrees) (sequence 21)
ETLVPS_20	B4l. ETL or VPS (sequence 21)
VENC_20	B4m. VENC (for PC only, cm/sec) (sequence 21)
SEQCOMM_20	B4n. Comments (sequence 21)
SEQNAME_21	B4a. Sequence Name Code Number (sequence 22)
SEQNAMOT_21	B4a1. Specify other sequence name (sequence 22)
LOCATION_21	B4b. Location Code Number (sequence 22)
LOCATOTH_21	B4b1. Specify other location (sequence 22)
BRTHHOLD_21	B4c. Breath-hold (yes/no) (sequence 22)
SLICETHK_21	B4d. Slice thickness (mm) (sequence 22)
FOV1_21	B4e1. FOV 1 (mm) (sequence 22)
FOV2_21	B4e2. FOV 2 (mm) (sequence 22)
MATRIX1_21	B4f1. Matrix 1 (pixels) (sequence 22)
MATRIX2_21	B4f2. Matrix 2 (pixels) (sequence 22)
TE_21	B4g. TE (msec) (sequence 22)

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TR_21	B4h. TR (msec) (sequence 22)
BW_21	B4i. BW (kHz) (sequence 22)
NSA_21	B4j. NSA (sequence 22)
FLIPANGL_21	B4k. Flip (tip) angle (degrees) (sequence 22)
ETLVPS_21	B4l. ETL or VPS (sequence 22)
VENC_21	B4m. VENC (for PC only, cm/sec) (sequence 22)
SEQCOMM_21	B4n. Comments (sequence 22)
SEQNAME_22	B4a. Sequence Name Code Number (sequence 23)
SEQNAMOT_22	B4a1. Specify other sequence name (sequence 23)
LOCATION_22	B4b. Location Code Number (sequence 23)
LOCATOTH_22	B4b1. Specify other location (sequence 23)
BRTHOLD_22	B4c. Breath-hold (yes/no) (sequence 23)
SLICETHK_22	B4d. Slice thickness (mm) (sequence 23)
FOV1_22	B4e1. FOV 1 (mm) (sequence 23)
FOV2_22	B4e2. FOV 2 (mm) (sequence 23)
MATRIX1_22	B4f1. Matrix 1 (pixels) (sequence 23)
MATRIX2_22	B4f2. Matrix 2 (pixels) (sequence 23)
TE_22	B4g. TE (msec) (sequence 23)
TR_22	B4h. TR (msec) (sequence 23)
BW_22	B4i. BW (kHz) (sequence 23)
NSA_22	B4j. NSA (sequence 23)
FLIPANGL_22	B4k. Flip (tip) angle (degrees) (sequence 23)
ETLVPS_22	B4l. ETL or VPS (sequence 23)
VENC_22	B4m. VENC (for PC only, cm/sec) (sequence 23)
SEQCOMM_22	B4n. Comments (sequence 23)

FORMSTAT_ID	Unique form/subject ID
FORM_ID	4 letter code for the form
VER_ID	1 letter code added to form code to make unique form/version
DESTATUS	Form completion