



# SPIROMICS-HF MRI PRE-COMPLETION FORM

ID NUMBER:										
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FORM CODE: MRI  
VERSION: 1.0 10/2/2020

Event: \_\_\_\_\_

0a) Date of Completion:   /   /

0b) Staff Code:

**Instructions:** This form should be completed before the MRI testing for SPIROMICS-HF. Before starting this form, confirm eligibility for MRI by reviewing the MRI Exclusion form with the participant and MRI staff.

Note that all participants are selected for gadolinium administration but some will refuse and some will be ineligible for gadolinium administration as outlined below. In these cases, the MRI should be performed without gadolinium.

All participants are also selected for metronome breathing but some will refuse and some will be ineligible as outlined below. In these cases, the MRI +/- gad should be performed without the metronome breathing portion.

## **Assessment for Gadolinium (to be completed prior to MRI)**

**Instructions:** The participant's consent response from the HCT form will populate in CDART.

1) Did the participant consent to receive gadolinium?

No<sub>0</sub> → **Go to 4**

Yes<sub>1</sub>

Not applicable to my site's informed consent form<sub>2</sub>

1a) Does the participant have a history of serious kidney or liver disease?

No<sub>0</sub>

Yes<sub>1</sub> → **Participant is ineligible for gadolinium; Go to 4**

1b) Is the participant allergic to gadolinium?

No<sub>0</sub>

Yes<sub>1</sub> → **Participant is ineligible for gadolinium; Go to 4**

**Instructions:** Review the values for 2a-2c below. If the calculated eGFR result is  $>60$  mL/min/1.73m<sup>2</sup>, the result is valid for one month. If the calculated eGFR is  $\geq 45$ - $\leq 60$ , the result is valid for two days. If the previous result is no longer valid or if point-of-care eGFR is provided, conduct the test and update the values below.

**Instructions:** On first load in CDART, previous creatinine test date and result will display. If the test has been repeated, enter the new date and value below.

2a) Date of creatinine/eGFR test:   /   /     mm/dd/yyyy

2b) Creatinine:   .  mg/dL

**Instructions:** "Save and Reload" the form to calculate eGFR based on the current value in 2b.

2c) Calculated eGFR:    mL/min/1.73m<sup>2</sup>

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- 3) Is the eGFR <45?
- No<sub>0</sub>
  - Yes<sub>1</sub> → **Participant is ineligible for gadolinium; Go to 4**

- 4) Is the participant willing and eligible to receive gadolinium?
- No<sub>0</sub> → **Proceed with MRI WITHOUT gadolinium**
  - Yes<sub>1</sub> → **Proceed with MRI WITH gadolinium**

**Baseline Assessment (to be completed prior to MRI)**

- 5) Systolic blood pressure:    mmHg
- 6) Diastolic blood pressure:    mmHg
- 7) Oxygen saturation:    %
- 8) Heart rate:    bpm
- 9) EKG Heart Rhythm (approximate based on MRI leads):
- Normal Sinus Rhythm<sub>1</sub>
  - Atrial-fibrillation<sub>2</sub>
  - Other<sub>3</sub>

- 10) Is supplemental oxygen to be used during MRI?
- No<sub>0</sub> → **Go to 11**
  - Yes<sub>1</sub>
- 10a) How many liters of oxygen?   .  liters/min

**Assessment for Metronome Breathing (to be completed prior to MRI)**

- 11) Is the participant willing to do the Metronome Breathing?
- No<sub>0</sub> → **Go to 14**
  - Yes<sub>1</sub>
- 12) Were there any cardiovascular events (MI, unstable angina, or HF events) or stable angina in the last 3 months?
- No<sub>0</sub>
  - Yes<sub>1</sub> → **Participant is ineligible for Metronome Breathing; Go to 14**
- 13) Is the participant's O<sub>2</sub> saturation > 88% at rest? (with or without supplemental oxygen use)
- No<sub>0</sub> → **Participant is ineligible for Metronome Breathing; Go to 14**
  - Yes<sub>1</sub>

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14) Is the participant willing and eligible to perform Metronome Breathing?

- No<sub>0</sub> → **Proceed with MRI WITHOUT Metronome Breathing**
- Yes<sub>1</sub> → **Proceed with MRI WITH Metronome Breathing**

**Instructions:** SPIROMICS staff must provide the MRI technician with a paper copy of the MRI Tech Completion Form (MRT) with the participant ID, Gender, Height, Weight, and Age filled out. The MRI technician will complete the rest of the MRT form. SPIROMICS staff are responsible for scanning and transmitting the MRT form to the MRI Reading Center.

**END OF FORM**