

# **Informed Consent: Adenosine Stress Perfusion MRI**

## **I Explanation of Test:**

Your doctor is concerned that you may have blockages of the arteries to your heart that prevent your heart muscle from getting enough blood and oxygen. Magnetic Resonance Imaging (MRI) can detect if your heart muscle is not getting enough blood. It does not use radiation and it is noninvasive except for the placement of 2 small intravenous catheters, one in each arm. A standard EKG will be taken before the study. The duration of the cardiac MRI itself is approximately 30 minutes, during which time you will lie in a tube while images are made of your heart. During the study, you will hear a buzzing sound. This is the sound the machine makes when it takes pictures. You will be provided with ear plugs to muffle the sound, but you will always be able to communicate with someone who is either in the room with you or who will speak to you via intercom. At one point during the test you will be given a drug called adenosine through a vein in your arm. You will also be given a contrast agent called gadolinium.

## **II Risks and Discomforts**

As with any stress test, there is a risk of complication, although it is small. When you receive the adenosine, you may feel the need to breathe more quickly, some heaviness in your chest, or some pressure behind your ears. These feelings only last a few minutes. During this time, a physician or nurse will be in the room with you to reassure you, and to monitor your heart rate and rhythm. More serious side effects are quite rare, but can include an asthma attack, an abnormal heart beat, low blood pressure, or even death. Every effort will be made by your doctor to minimize any possible complication, and all necessary personnel and equipment will be present during the procedure to treat any complications that could develop. Anytime a needle or a catheter is put into a vein there is a risk of pain, bruising, irritation of the vein, formation of a clot, fainting or infection. Please inform the doctor or staff if you have asthma, lung disease, or allergies to contrast.

## **III Benefits to be Expected**

The results obtained from this test may assist your doctor in the diagnosis and treatment of your condition. There are alternative tests to this procedure, such as stress echocardiography or stress nuclear perfusion imaging, which could provide similar information as this test.

## **IV Inquires**

Any questions about the test are encouraged. If you have doubts or questions, please ask us for further explanation.

## **V Freedom of Consent**

Your permission to perform adenosine stress myocardial perfusion MRI is voluntary. You are free to deny consent if you so desire.

I have read this form and I understand the test that will be performed. I consent to have this test.

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**Signature of Patient /Parent/ Guardian**

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**Date**

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**Signature of Witness**