

## MRI Subject Pre-Screen

It is the responsibility of investigators to rule out pre-existing conditions that may compromise patient safety and/or suitability for the MR procedure. While the AIRC Safety Officer may be able to serve as a resource, the following additional procedures may be necessary *prior to the MR visit* to avoid postponement or cancellation of the MR procedure:

### **(1) Presence of implanted devices- metallic or otherwise (#5, MRI Subject Screening Form)**

Information related to device type, implant date, and type of surgery should be obtained.

Prior to the MR visit, it may be necessary to :

- Contact device manufacturer listed on patient implant card.
- Consult <http://www.MRIsafety.com> to determine the safety designation of a specific device or device type: *Subjects implanted with a device that is 'MRI Conditional' or 'MRI Unsafe' cannot be scanned at the AIRC.*

### **(2) Eye injury involving a metallic object (#6, MRI Subject Screening Form)**

If metallic slivers or foreign bodies are suspected or if there has ever been an incident of metal in a subject's eyes, a "Screening Orbits" (x-ray) study may be necessary. These are performed by Diagnostic Radiology and must be read by a radiologist prior to the MR visit.

To order a Screening Orbits study:

- Have M.D. place order in Epic or provide a signed, written order
- FAX the diagnostic imaging schedulers (FAX 503-494-4621) a written order for: **Code RAD01844 Orbits (X-RAY EYE DETECTION FOREIGN BODY)** and call schedulers (503-418-0990) to confirm that they received the order.
- Take the subject to Diagnostic Imaging (OHSU Hospital, 10th floor).
- After the study is complete, call the neuroradiology reading room (503-494-5374 or 503-494-8714 or 503-494-7565) and let the radiologist know the name of the patient (or MRN). The radiologist will look the images over, usually while you wait, and tell you their impression(s).
- Write the radiologists' impressions down, preferably on the order FAXed to the schedulers (e.g., "Dr. [neuroradiologist] states orbits are all clear or unremarkable; via telephone, [date and time]"). AIRC staff may want to speak with the radiologist themselves or you can let them make the call to speak with the radiologist.

### **(3) Body mass index (BMI) greater than 35**

Subjects with BMI greater than 35 are unlikely to fit comfortably in the scanner and are usually unable to complete the MR procedure. BMI should be known prior to scheduling the MR visit.