I. PURPOSE

To avoid eye injury during MRI procedures

II. POLICY

All patients with a history of Penetrating Orbital Trauma requiring medical or surgical intervention must have an Orbital CT prior to MRI.

Patients with a history of metal grinding or exposure to metal fragments need an orbital CT only:

- If a definite or suspicious history of orbital injury exists.
- The order for the orbital Ct must be presented at time of the MR exam.
- It is the responsibility of the referring physician to order the CT

III. RESPONSIBILITIES

Nursing, Technologist Radiologist, Radiologist

IV. PROCEDURES/GUIDELINES

Perform the following CT sequence to R/O fragments.
Non-contrast axial 3 x 3 CT images through the orbit should be obtained and imaged using bone and soft tissue windows.

*Interpretation*

The CT should be interpreted by a Radiology Attending or senior resident prior to MRI imaging. Any questionable results must be referred to a Neuroradiology Attending prior to MRI procedure.

**V. ATTACHMENTS:**

None

**VI REASON FOR REVISION:**

Review

**VII REFERENCES:**

The Joint Commission Standards

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<th>Date Reviewed</th>
<th>Revision Required (Check One)</th>
<th>Responsible Staff Name and Title</th>
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<tr>
<td>2001</td>
<td>Yes</td>
<td>James Shanahan, Director Radiology Department</td>
</tr>
<tr>
<td>2/2015</td>
<td>Yes No</td>
<td>Donna Mckenzie, Director Radiology</td>
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<tr>
<td>8/2016</td>
<td>No</td>
<td>Vincent Monte Assoc. Director Radiology Department</td>
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