Overuse of Diagnostic Imaging at a Large Urban Hospital System: A Randomized Control Trial

-- Information for providers in the treatment arm

**Investigators:**
Madhu Mazumdar, PhD. Principal Investigator
David Mendelson, MD, FACR. Co-investigator
Joseph Kannry, MD. Co-investigator
Bruce Darrow, MD, PhD. Co-investigator
**Decision Support Screen and its special features**

**Appropriateness rankings for a 40 year old male**

**Indications:** Ataxia, slowly progressive, or long duration

**Selected Procedure**

<table>
<thead>
<tr>
<th>Appropriateness</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>CT, head, w iv contrast</td>
</tr>
</tbody>
</table>

**Recommended Procedure(s) with Highest Score**

<table>
<thead>
<tr>
<th>Score</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>MR, head, wo/w iv contrast</td>
</tr>
</tbody>
</table>

Please select from below.

[Click here for ACR Appropriateness Criteria reference information](#)
Special Design Features of the Decision Support System under Evaluation

- **Default to cancel initial scan** if the scan is deemed “usually not appropriate” (score 1-3)

- **Display highest rated alternative scans** deemed “usually appropriate” (score 7-9)

- **Require radiologist consultation** for proceeding with a scan deemed “usually not appropriate”

- **Send Monthly feedback emails to** reporting providers with their rate of “usually not appropriate” scan and a comparison to their peer benchmark
Special Request for Radiology Order Placement

- We understand that at Mount Sinai, a teaching hospital, you may have mid-level personnel (fellows, housestaff, PA, NP etc.) that place radiology orders on your behalf.

- Where possible and appropriate, attending physicians are encouraged to place these orders themselves for their patients.
Thanks for participating and helping Mount Sinai become continuously learning and improving health system!
References: