Course Objective

Material Covered:
An introduction to general neuroradiology to permit the student to understand principles and indications for various imaging modalities such as radiographs, CT, ultrasound, MRI, angiography including DSA, CTA, MRA, CTV, MRV, myelography, PET scans, etc.

Skills Acquired:
- Preparatory course for anyone interested in neuroscience fields, otolaryngology, ophthalmology, and radiology.
- At the end of the rotation the students will have a better understanding of the indications, limitations, and appropriateness of the different imaging modalities used in neuroradiology.

Activities Of Elective

Number Of New Patients/Student/Week: Not Applicable

Responsibilities Of Student For Assigned Patients:

- Does history/physical: No
- Follows patients, with appropriate notes as needed: No
- Does student see ambulatory patients: No

<table>
<thead>
<tr>
<th>Procedures</th>
<th>Observe</th>
<th>Perform</th>
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<tbody>
<tr>
<td>Angiography &amp; myelography</td>
<td></td>
<td>X</td>
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<tr>
<td>CT, MRI, and ultrasound</td>
<td></td>
<td>X</td>
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Scheduled Duties of Student:

- Frequency of rounds on patients: Not Applicable
- Presents patients to preceptor or attending physician: Not Applicable
- Daily Reading Sessions: 8am-12 pm and 1-3 pm
- Weekly schedule of required teaching sessions:
  - Monday 1:00pm-2:00pm | Center for Advanced Imaging Processing (CAIP) lecture.
  - Tuesday 8:00 am-9:00 am | every other week: Didactic Neuroimaging Conference.
  - Wednesday 7:00 am-8:00 am | Pediatric Neurosurgery Conference
  - Wednesday 1:00pm-2:00pm | Fellows Didactic Lecture.
  - Thursday 12:00pm-1:30pm | Stroke Conference.
  - Thursday 5:00 pm-7:00 pm | (only on the second Thursday of the month). Neurosurgery-Neuroradiology teaching conference.

Describe Optional Rounds And Activities, If Any:

None

Other Required Activities:

<table>
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<tr>
<th>Activity</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>Reading/review of current literature:</td>
<td>Yes</td>
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<tr>
<td>Writing or Presenting a paper:</td>
<td>Upload one new case to the Neuroradiology Teaching file</td>
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</table>

Add/Drop code: Contact Verlincia.D.Williams@uth.tmc.edu
How Is Student Evaluated:

We welcome all students who are interested in learning about neuroradiology to better care for their patients in their future careers in the neurosciences. Students are evaluated on their appropriate contribution to case discussion, attentiveness, and professionalism.

Each student is expected to prepare and upload one teaching case into the neuroradiology database. This consists of patient clinical data, selected images, a description of the findings, diagnosis, and differential possibilities.

For those students wishing to receive a letter of recommendation for the purposes of applying for a radiology residency or other neuroscience residency, preparation of three cases and upload into the database is required.

Who Evaluates Students:

Eliana Bonfante-Mejia M.D.

Unique Features Of This Elective:

Opportunity to appreciate the indispensable role of Neuroradiology in Neurology, Neurosurgery, and Otolaryngology/Head and Neck Surgery.