Early Exposure to Radiology in Second Year Medical Student Clerkship:
Using a Standardized Curriculum and Image Review to Enhance Medical Student Radiology Education
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Nothing to disclose
To assess if a standardized imaging curriculum improves mandatory, early radiology experience during second year medical student clerkship.

To maximize the medical student academic experience while facilitating physician workflow.
**Materials & Methods: Design**

Design a standardized medical student curriculum in which three objectives were met by observing real-time sonography and utilizing sonographic images saved as teaching files on a PACS system.

| Understand primary indications for OB/GYN ultrasound |
| Recognize routine anatomic structures during a 20 week sonogram |
| Ultrasound characteristics of benign versus malignant ovarian masses |
Materials & Methods: Medical Students

Second year medical students (n=263) who rotated through their OB/GYN clerkship.

Students spent one half day with a radiologist.
# Materials & Methods: Tactics

<table>
<thead>
<tr>
<th>An anonymous Likert scale survey was issued to establish initial understanding of ultrasound objectives</th>
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<tbody>
<tr>
<td>A standardized OB/GYN ultrasound curriculum was incorporated</td>
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<tr>
<td>An anonymous Likert scale survey was issued to establish final understanding of ultrasound objectives and assess overall experience</td>
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</tbody>
</table>
Materials & Methods: Survey

Scale:

- Least Comfortable
- Somewhat Comfortable
- Neutral
- More Comfortable
- Most Comfortable

Questions:

1. Understand primary indications for OB/BYN ultrasound
2. Recognize routine anatomic structures during a 20-week sonogram
3. Ultrasound characteristics of benign versus malignant ovarian masses
Medical students reported less understanding of objectives when spending time with radiologists who did not adapt the standardized curriculum.

The results were distributed to radiologists and emphasis was placed on using the standardized curriculum.
Results: Pros and Cons

- Standardized curriculum provided similar medical student experience among radiologists
- Curriculum was well-received and understood by medical students
- Reinforcement of OB/GYN clinical concepts
- Overall positive experience for medical students
- Radiologist time constraints due to clinical demands
Conclusion

A standardized imaging curriculum improves early radiology experience for second year medical students while reinforcing clinical knowledge.

The curriculum also provides a streamline approach for radiology educators.