Item Review Strategies:

Utilizing Volunteer Subject Matter Experts to Assembly High-Quality Exams

“I find volunteering an excellent time to learn about the test and how it has evolved over the last six years, develop myself as an educator, and also network with colleagues who have similar goals in education…”

Kiarian McGee, PhD
Diagnostic and Therapeutic Medical Physics

“…being an ABR Volunteer allows me to give back to the organization, and the profession.”

Nupur Verma, MD
Diagnostic Radiology
Item Review Strategies:

Utilizing Volunteer Subject Matter Experts to Assembly High-Quality Exams

“...The best part for me is the opportunity to work with and get to know pre-eminent radiation oncologist in my field.”

Elizabeth Baldini, MD, MPH
Radiation Oncology

Michelle Miller-Thomas, MD
Diagnostic Radiology
Item Review Strategies:

Utilizing Volunteer Subject Matter Experts to Assembly High-Quality Exams

“…the collegiality is almost universal. When working together, it does not matter where you give back to where you trained or what degree or high post you hold in academic or private practice. It is who you are – everyone has their voice heard and respected.”

Nirvikar Dahiya, MD, BS
Diagnostic Radiology

Michael J. Yunes, MD
Radiation Oncology
Item Review Strategies:

Utilizing Volunteer Subject Matter Experts to Assembly High-Quality Exams

“I believe in ‘giving back’ through service to both education and organized medicine. Writing questions for the ABR exams can be challenging, but the collegiality of working with other radiology educators and ABR staff as the questions are reviewed.”

Jacqueline A. Bello, MD, FACR
Diagnostic Radiology

“Developing and writing questions for the ABR exams can be challenging, but the collegiality of working with other radiology educators and ABR staff as the questions are reviewed.”

Mark T. Madsen, PhD
Nuclear Medical Physics
Meet Our Great Team

Bailey **Tinkle**
Exam Development Manager

Vivian **Malek**
Lead OLA Developer

Dagoberto **Esquer**
Lead Multimedia Processing Specialist
Agenda

- 1934
- 1980s and 1990s
2017 and Beyond
1934
Creation of ABR
1980s and 1990s

'80s

'90s
Early 2000s

Computer Based Exams

Practice Profile

More volunteers needed
Delete this sentence and type your question here.

**Case Templates**

**Item Classification**

**Question 1**
- Anatomy:
- Modality:
- Pathology:
- Primary:
- *Blooms Taxonomy:
- *Difficulty (easy, hard):

**Question 2**
- Anatomy:
- Modality:
- Pathology:
- Primary:
- *Blooms Taxonomy:
- *Difficulty (easy, hard):

**Question 3**
- Anatomy:
- Modality:
- Pathology:
- Primary:
- *Blooms Taxonomy:
- *Difficulty (easy, hard):

**Question 4**
- Anatomy:
- Modality:
- Pathology:
- Primary:
- *Blooms Taxonomy:
- *Difficulty (easy, hard):

*Blooms Taxonomy and Difficulty will be completed during the group review.

**Score Card**

<table>
<thead>
<tr>
<th>Filename</th>
<th>Primary Category</th>
<th>Subcategory (Pathology)</th>
<th>Location (Anatomy)</th>
<th>Modality</th>
<th>Diagnosis</th>
<th>Clinical</th>
<th>Physics</th>
<th>Source Image</th>
<th>Blooms</th>
<th>Advance/Medical</th>
<th>Basic/Methods</th>
<th>Level</th>
<th># of Images</th>
<th>Edited</th>
<th>Group Review</th>
<th>Approved</th>
<th>Edited</th>
<th>Caskey</th>
<th>Blooms</th>
<th>Author</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dunnick2012_3_MOC</td>
<td>NA</td>
<td>Neoplasm</td>
<td>Adrenal Gland</td>
<td>CT</td>
<td>Phaeochromocytoma</td>
<td>1</td>
<td>0</td>
<td>Y</td>
<td>4</td>
<td>F</td>
<td>3</td>
<td>F</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Dunnick</td>
<td>Reed</td>
<td>2012</td>
<td></td>
</tr>
<tr>
<td>Dunnick2012_2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dunnick</td>
<td>Reed</td>
<td>2010</td>
<td></td>
</tr>
<tr>
<td>Dunnick2011_21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dunnick</td>
<td>Reed</td>
<td>2011</td>
<td></td>
</tr>
<tr>
<td>Dunnick2011_1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dunnick</td>
<td>Reed</td>
<td>2010</td>
<td></td>
</tr>
<tr>
<td>Dunnick2011_33_Cert</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dunnick</td>
<td>Reed</td>
<td>2011</td>
<td></td>
</tr>
<tr>
<td>Dunnick2010_3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dunnick</td>
<td>Reed</td>
<td>2010</td>
<td></td>
</tr>
<tr>
<td>Dunnick2010_4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dunnick</td>
<td>Reed</td>
<td>2010</td>
<td></td>
</tr>
<tr>
<td>Dunnick2011_10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dunnick</td>
<td>Reed</td>
<td>2011</td>
<td></td>
</tr>
</tbody>
</table>
Transitions
When things really started changing

ExamDeveloper™ Staff
Multimedia Processing Specialists
ExamDeveloper™ SME
SME committees
Steady State
Basics of Item Review
How do we create our deliverables?

1. **Start**
2. **Item Submission**
3. **Staff Processing**
4. **Committee Review**
5. **Product Assembly**
6. **Final SME Review**
7. **Feedback**
To become trusted advisors by providing first-class customer service, simple and intuitive processes, and relationship-based support.
Unpacking the Vision

TRUSTED ADVISORS
Building trust among the SMEs and teammates.

SIMPLE AND INTUITIVE
Standardization
Fixing the prior mentality

FIRST CLASS SERVICE
Finding excellence in the ordinary

RELATIONSHIP-BASED SUPPORT
How do our actions add value?
How do they subtract from it?
Why Do You Volunteer?

- Networking/Collegiality: 42%
- Giving back to the community/public: 21%
- Making an impact on the field/patient care: 21%
- Learning about the exam creation process: 5%
- Maintaining high standards: 11%
Volunteer Motivation

Extrinsic

Intrinsic

Staff support

Networking

Advancement

Personal Development
Extrinsic Motivation
How does staff motivate volunteers?

- Training from the Start
- Continuous Support
- Small Reminders
- Listening and Responding

ABR Staff Vision

Not Over-Doing It
2017 and Beyond

“The Future is coming so fast, we can’t possibly predict it; we can only learn to respond quickly.”

Steve Kerr

Launch of OLA
Standardized of Exam Process
Dedicated Staff to Product
Digital Transformation
Questions?
GET IT IN TOUCH

Bailey Tinkle
Exam Development Manager
btinkle@theabr.org
(520) 750-2728

Vivian Malek
Lead OLA Developer
vmalek@theabr.org
(520) 519-2136

Dagoberto Esquer
Lead Multimedia Processing Specialist
desquer@theabr.org
(520) 519-2154