How to Guide Fellows on Board Preparation

Session #1110

James M. Quinn, MD, FACP, FAAAAI
Associate Professor of Medicine, Uniformed Services University of the Health Sciences
San Antonio Uniformed Services Health Education Consortium, Wilford Hall Ambulatory Surgical Center
Disclosures

- No disclosures

- The views expressed are those of the presenter and do not reflect the official views or policy of the Department of Defense or its components
Learning Objectives

• Review important aspects of the American Board of Allergy & Immunology (ABAI) certification exam
• Identify resources available for board preparation
• Discuss elements of the learning environment to enhance success
What did he say?
No idea

The Horse Whisperer
Overview

- The Challenge – ABAI board exam
- Resources
- Curriculum
- Learning environment
Administrative

• Registration
  • Application & agreement
  • Fees
  • Medical license
  • Recommendation letters
  • Program Director (PD) documentation
Administrative

- Application & agreement - fellow
  - On line https://abai.org/exam_howto.asp
  - Dates
    - Registration opens: January 1, 2022
    - Registration deadline to avoid late fees: March 15, 2022
    - Registration closes: May 31, 2022
    - Test cite registration opens: August 1, 2022
    - Cancellation deadline: August 31, 2022
    - Certification exam: October 3-7, 2022
    - Certification exam results released: December 1, 2022
### Administrative Fees

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification exam</td>
<td>$2,650</td>
</tr>
<tr>
<td>Late fee (after March 15) (non-refundable)</td>
<td>$500</td>
</tr>
<tr>
<td>Rescore</td>
<td>$100</td>
</tr>
<tr>
<td>Returned check</td>
<td>$50</td>
</tr>
<tr>
<td>Cancellation refund (by August 31)</td>
<td>$1,850</td>
</tr>
</tbody>
</table>

- $800 of fee is non-refundable for processing fee
Administrative

• Medical license
Administrative

- Recommendation letters x 2
Administrative

• Program Director documentation

GENERAL COMPETENCIES:

1. Patient Care
   - Performs accurate and comprehensive medical interview, physical examinations, and review of data.
   - Capable of essential procedural skills.
   - Makes diagnostic and therapeutic decisions based on evidence/clinical data patient preferences.

2. Medical Knowledge
   - Knowledge of basic and clinical sciences.
   - Demonstrates interest in development of knowledge.
   - Understands complex relationships and mechanisms of diseases.

3. Practice-Based Learning and Improvement
   - Self-evaluates performance.
   - Incorporates feedback.
   - Uses technology to enhance patient care and self-improvement.

4. Interpersonal and Communication Skills
   - Explains medications in language appropriate to patients.
   - Ensures patients understand condition and treatment.
   - Encourages questions from patients.
   - Educates and counsels patients, families, colleagues.

5. Professionalism
   - Respectful, compassionate, honest, and has integrity.
   - Exhibits responsible behavior.
   - Committed to self-assessment.
   - Acknowledges errors.
   - Considers needs of patients, families, and colleagues.

6. System-Based Practice
   - Utilizes/accesses outside resources.
   - Aware of patients’ financial constraints.
   - Incorporates subspecialty consultation.
   - Aware of economic, systemic, and social factors on health care.
## ALLERGY & IMMUNOLOGY SPECIFIC COMPETENCIES:

1. **Medical Interview**  
   Conducts comprehensive and detailed medical interview with children and adults who present with suspected allergic and/or immunologic disorders.

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

2. **Physical Examination**  
   Performs a physical examination appropriate to the specialty.

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

3. **Diagnostic Tests and Studies**  
   Selects, performs, and interprets diagnostic tests or studies.

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

4. **Risks and Benefits of Therapy**  
   Assesses the risks and benefits of therapies for allergic and immunologic disorders (e.g. drug therapy, allergen immunotherapy, immunomodulatory therapy).

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

5. **Counseling Patients**  
   Counsels and educates patients about diagnosis, prognosis, and treatment.

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

6. **Consulting Resources**  
   Consults with and educates other physicians and health care providers.

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

7. **Application of Basic and Clinical Science**  
   Applies basic and clinical science to the clinical care of patients.

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

8. **Research and Participation**  
   Qualify of resident's research and participation. Include short description.

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

9. **Coordination of Patient Care**  
   Coordinates the care of patients, including the use of consultation; interaction with faculty, peers, and supportive staff.

<table>
<thead>
<tr>
<th>Unsatisfactory</th>
<th>Satisfactory</th>
<th>Superior</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   **Comments:**

10. **Lifelong Learning**  
    Affects the need for a lifelong pursuit of excellence, self-directed learning, and continuing education.

    | Unsatisfactory | Satisfactory | Superior |
    |----------------|--------------|----------|
    |                |              |          |

    **Comments:**

**Overall Clinical Competence in Allergy & Immunology**

    | Unsatisfactory | Satisfactory | Superior |
    |----------------|--------------|----------|
    |                |              |          |

**Comments:**
Administrative

• Program Director documentation
Administrative

- Program Director documentation

REQUIRED PROCEDURES AND ACHIEVEMENT OF COMPETENCY
(all procedures must be completed)

<table>
<thead>
<tr>
<th>Procedure Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate hypersensitivity skin testing</td>
<td></td>
</tr>
<tr>
<td>Allergen immunotherapy</td>
<td></td>
</tr>
<tr>
<td>Drug hypersensitivity diagnosis and treatment</td>
<td></td>
</tr>
<tr>
<td>Food hypersensitivity diagnosis and treatment</td>
<td></td>
</tr>
<tr>
<td>Immunoglobulin treatment and other immunomodulator therapies</td>
<td></td>
</tr>
<tr>
<td>Contact/delayed type hypersensitivity testing</td>
<td></td>
</tr>
<tr>
<td>Pulmonary function testing</td>
<td></td>
</tr>
</tbody>
</table>

REVIEW AND SIGN:

Resident's Full Name: ____________________________

Resident's Signature: ____________________________

Program Director/Supervisor (Full Name): ____________________________

Program Director/Supervisor (Signature): ____________________________

☐ I have assessed the competency of the above-named resident in each of the procedures listed and verify that the resident is skilled to perform these procedures. (Supporting information is on file).

Signed ____________________________
# ABAI Exam

<table>
<thead>
<tr>
<th>Certification Examination</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Items</strong></td>
<td>225</td>
</tr>
<tr>
<td><strong>Time</strong></td>
<td>7hrs (2 sessions)</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Pearson Vue Test Center</td>
</tr>
<tr>
<td><strong>Method</strong></td>
<td>computer-based</td>
</tr>
<tr>
<td><strong>Passing Score</strong></td>
<td>absolute minimum</td>
</tr>
<tr>
<td><strong>Basic Science</strong></td>
<td>25%</td>
</tr>
<tr>
<td><strong>Clinical Science</strong></td>
<td>75%</td>
</tr>
</tbody>
</table>

*Percentages are approximations.*
<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Items</td>
<td>225</td>
</tr>
<tr>
<td>Time</td>
<td>7hrs (2 sessions)</td>
</tr>
<tr>
<td>Location</td>
<td>Pearson Vue Test Center</td>
</tr>
<tr>
<td>Method</td>
<td>computer-based</td>
</tr>
<tr>
<td>Passing Score</td>
<td>absolute minimum</td>
</tr>
<tr>
<td>Basic Science*</td>
<td>25%</td>
</tr>
<tr>
<td>Clinical Science*</td>
<td>75%</td>
</tr>
</tbody>
</table>

*Percentages are approximations.*
# ABAI Exam Blueprint

## A. Allergy and Hypersensitivity Principles and Disorders (epidemiology, risk factors, clinical presentation, diagnosis and differential diagnosis, treatment/management, physiology/pathophysiology)

<table>
<thead>
<tr>
<th>A.1.</th>
<th>Head and neck</th>
<th>11%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.1.a.</td>
<td>Nasal allergic and nonallergic rhinitis</td>
<td></td>
</tr>
<tr>
<td>A.1.b.</td>
<td>Sinus and nasal (Allergic fungal sinusitis)</td>
<td></td>
</tr>
<tr>
<td>A.1.c.</td>
<td>Otitis media</td>
<td></td>
</tr>
<tr>
<td>A.1.d.</td>
<td>Anatomy, physiology and pathology</td>
<td></td>
</tr>
<tr>
<td>A.1.e.</td>
<td>Diagnostics - Nasal/conjunctival provocation, mucociliary function</td>
<td></td>
</tr>
<tr>
<td>A.1.f.</td>
<td>Cough</td>
<td></td>
</tr>
</tbody>
</table>

## B. Immunological Disorders (epidemiology, risk factors, pathogenesis, clinical presentation, diagnosis and differential diagnosis, treatment/management)

<table>
<thead>
<tr>
<th>B.1.</th>
<th>Immune Inflammatory Disorders</th>
<th>45%</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.1.a.</td>
<td>Immune complex disorders</td>
<td>10%</td>
</tr>
<tr>
<td>B.1.b.</td>
<td>Autoimmune disorders</td>
<td></td>
</tr>
<tr>
<td>B.1.c.</td>
<td>Autoinflammatory (Febrile) disorders</td>
<td></td>
</tr>
<tr>
<td>B.1.d.</td>
<td>Vasculitis &amp; Immunomodulatory therapies</td>
<td></td>
</tr>
<tr>
<td>B.1.e.</td>
<td>Other aspects of immune-mediated inflammation</td>
<td></td>
</tr>
</tbody>
</table>

## C. Emerging Health Priorities (e.g., disparities of care, opioid crisis, wellness, burnout, pandemics)

- 1%
### ABAI Exam Blueprint

- **3 Main sections**

#### 1. Head and neck
- A.B. Nasal anatomical and clinical examination
- A.C. Oropharyngeal and laryngeal anatomy
- A.D. Sinus anatomy
- A.E. External auditory canal anatomy
- A.F. Masseter muscle anatomy

#### 2. Dermatology
- A.B. Eczema
- A.C. Psoriasis
- A.D. Dermatitis (hereditary and acquired)
- A.E. Angiokeratoma (angiokeratoma corporis diffusum)
- A.F. Other dermatologic and other dermatologic problems

#### 3. Lung
- A.A. Asthma and related disorders
- A.B. Occupational lung disorders
- A.C. Pulmonary fibrosis
- A.D. Other pulmonary disorders
- A.E. Pulmonary function tests

### Section 2: Immunological Disorders

#### 5. Allergic and hypersensitivity principles and disorders
- A.A. Respiratory tract sensitization
- A.B. Skin sensitization
- A.C. Other organ sensitization
- A.D. Endotoxin sensitization

#### 6. Immune inflammatory disorders
- B.A. Immune complex disorders
- B.B. Autoimmune disorders
- B.C. Infections and immunosuppressive therapy
- B.D. Other aspects of immune-mediated inflammation

#### 7. Immunodeficiency disorders
- C.A. Combined immunodeficiency
- C.B. Tetanus
- C.C. Other cell disorders (human and animal)
- C.D. Rheumatic disorders

### Section 3: Emerging Health Priorities

- D.A. Disparities of care, opioid crisis, wellness, burnout, pandemics

### Resources

- [https://abai.org/blueprint.asp](https://abai.org/blueprint.asp)
### ABAI Exam Blueprint

#### 11 Sub-categories

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Allergy and Hypersensitivity Principles and Disorders (epidemiology, risk factors, clinical presentation, diagnosis and differential diagnosis, treatment/management, physiology/pathophysiology)</td>
<td>34%</td>
</tr>
<tr>
<td>B. Immunological Disorders (epidemiology, risk factors, pathogenesis, clinical presentation, diagnosis and differential diagnosis, treatment/management)</td>
<td>43%</td>
</tr>
<tr>
<td>C. Immune Inflammatory Disorders</td>
<td>10%</td>
</tr>
<tr>
<td>D. Immune Deficiencies</td>
<td>15%</td>
</tr>
<tr>
<td>E. Eosinophilic and Gastrointestinal Disorders</td>
<td>6%</td>
</tr>
<tr>
<td>F. Immune system &amp; Research Principles</td>
<td>0%</td>
</tr>
<tr>
<td>G. Emerging Health Priorities (e.g., disparities of care, opioid crisis, wellness, burnout, pandemics)</td>
<td>1%</td>
</tr>
<tr>
<td>H. Food Allergies, Hypersensitivity Reactions (not including eosinophilic Gastrointestinal Disease)</td>
<td>11%</td>
</tr>
<tr>
<td>I. Asthma, Asthma and Related Disorders</td>
<td>11%</td>
</tr>
<tr>
<td>J. Lung</td>
<td>11%</td>
</tr>
<tr>
<td>K. Other categories</td>
<td>2%</td>
</tr>
</tbody>
</table>

For more details, visit https://abai.org/blueprint.asp
ABAI Exam Blueprint

<table>
<thead>
<tr>
<th>A. Allergy and Hypersensitivity Principles and Disorders (epidemiology, risk factors, clinical presentation, diagnosis and differential diagnosis, treatment/management, physiology/pathophysiology)</th>
<th>54%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Head and neck</td>
<td>11%</td>
</tr>
<tr>
<td>A.1. Nasal allergy, rhinology, rhinosinusitis</td>
<td></td>
</tr>
<tr>
<td>A.2. Sinonasal disease and chronic NP, allergic fungal sinusitis</td>
<td></td>
</tr>
<tr>
<td>A.3. Otitis</td>
<td></td>
</tr>
<tr>
<td>A.4. Anaphylaxis</td>
<td></td>
</tr>
<tr>
<td>A.5. Diagnostics - Nasal/conjunctival provocation, mucociliary function</td>
<td></td>
</tr>
<tr>
<td>A.6. Cough</td>
<td></td>
</tr>
<tr>
<td>B. Immunological Disorders (epidemiology, risk factors, pathogenesis, clinical presentation, diagnosis and differential diagnosis, treatment/management)</td>
<td>43%</td>
</tr>
<tr>
<td>2. Immune Inflammatory Disorders</td>
<td>10%</td>
</tr>
<tr>
<td>B.1. Immune complex disorders</td>
<td></td>
</tr>
<tr>
<td>B.1.1. Autoimmune disorders</td>
<td></td>
</tr>
<tr>
<td>B.1.2. Autoimmune disorders</td>
<td></td>
</tr>
<tr>
<td>B.1.3. Autoimmune disorders (e.g., SLE, rheumatoid arthritis)</td>
<td></td>
</tr>
<tr>
<td>B.1.4. Autoimmune disorders (e.g., SLE, rheumatoid arthritis)</td>
<td></td>
</tr>
<tr>
<td>B.1.5. Other aspects of immune-mediated inflammation</td>
<td></td>
</tr>
<tr>
<td>B.2. Immunodeficiency</td>
<td>16%</td>
</tr>
<tr>
<td>B.2.1. AIDS</td>
<td></td>
</tr>
<tr>
<td>B.2.2. Combined immune deficiency</td>
<td></td>
</tr>
<tr>
<td>B.2.3. T-cell disorders</td>
<td></td>
</tr>
<tr>
<td>B.2.4. B-cell disorders (e.g., IgM, IgG, IgA, IgE)</td>
<td></td>
</tr>
<tr>
<td>B.2.5. Nonspecific immunodeficiency</td>
<td></td>
</tr>
<tr>
<td>B.2.6. Pulmonary causes of immunodeficiency</td>
<td></td>
</tr>
<tr>
<td>B.2.7. Other immune deficiency conditions</td>
<td></td>
</tr>
<tr>
<td>B.2.8. Secondary immune deficiency</td>
<td></td>
</tr>
<tr>
<td>B.3. Other immune dysregulation and immunopathologies</td>
<td></td>
</tr>
<tr>
<td>C. Emerging Health Priorities (e.g., disparities of care, opioid crisis, wellness, burnout, pandemics)</td>
<td></td>
</tr>
<tr>
<td>C.1. Public Health</td>
<td></td>
</tr>
<tr>
<td>C.2. Occupational Health</td>
<td></td>
</tr>
</tbody>
</table>

| 86 Sub-sub-categories |

[https://abai.org/blueprint.asp](https://abai.org/blueprint.asp)
ABAI Exam Blueprint

- Immunologic Disorders 45%
  - Immune inflammatory disorders 10%
  - Immunodeficiencies 16%
  - Eosinophilic & GI disorders 6%
  - Immune system & research principles 9%
  - Non-disease specific pharmacology & therapeutics 2%
  - Allergens, antigens, & extracts 2%

- Emerging Health Priorities 1%

https://abai.org/blueprint.asp
Resources
Resources

• Core
  • Basic immunology text
  • Allergy & immunology text
  • Practice parameters
Basic Immunology Text

• 5 Best Immunology Texts of 2022
  • Janeway’s Immunology
    • 900+ pages
  • Kuby Immunology
    • 900+ pages
  • The Immune System – Peter Parham
    • 600+ pages
  • Fundamental Immunology – William Paul
    • 1300+ pages
  • Cellular & Molecular Immunology – Abul Abbas
    • 600+ pages

Basic Immunology Text

- 21 Chapters
- 3 appendixes
- 571 pages
- ~$65
- eSupplement
  - Text, figures, etc.
  - Test question bank
Allergy & Immunology Text

- Middleton’s – Burks, et al
- Patterson's – Grammer, et al
- Allergy for the Clinician – Vedanthan, et al
- Allergy & Asthma: Practical Diagnosis & Management – Mahmoudi
Allergy & Immunology Text

• Middleton’s
  • 2 volumes
  • 99 chapters
  • 1600+ pages
  • ~$295 hardcover, ~$210 eBook
  • On-line question bank
Practice Parameters

• 16 topic areas
• ~ 25 practice parameters remain timely & relevant

https://www.aaaai.org/Allergist-Resources/Statements-Practice-Parameters/Practice-Parameters-Guidelines
# Practice Parameters

<table>
<thead>
<tr>
<th>Topic</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Allergy Testing</strong></td>
<td><em>Allergy diagnostic testing: an updated practice parameter (2008)</em></td>
</tr>
<tr>
<td><strong>Anaphylaxis</strong></td>
<td><em>Anaphylaxis—a 2003 practice parameter update: systematic review and Grading of Recommendations, Assessment, Development and Evaluation (GRADE) analysis (2005)</em></td>
</tr>
<tr>
<td></td>
<td><em>Anaphylaxis—a practice parameter update (2017)</em></td>
</tr>
<tr>
<td></td>
<td><em>Emergency department diagnosis and treatment of anaphylaxis: a practice parameter (2014)</em></td>
</tr>
<tr>
<td><strong>Asthma</strong></td>
<td><em>Exercise-induced bronchoconstriction: practice parameter update (2010)</em></td>
</tr>
<tr>
<td></td>
<td><em>Management of acute loss of asthma control in the yellow zone: a practice parameter (2014)</em></td>
</tr>
<tr>
<td></td>
<td><em>Exercise-induced bronchoconstriction (2010)</em></td>
</tr>
<tr>
<td></td>
<td><em>Asthma: a practice parameter (2014)</em></td>
</tr>
<tr>
<td></td>
<td><em>Algorithm for the diagnosis and management of asthma: a practice parameter update (2008)</em></td>
</tr>
<tr>
<td></td>
<td><em>Practice parameters for the diagnosis and treatment of asthma (2004)</em></td>
</tr>
<tr>
<td><strong>Cockroach Allergy</strong></td>
<td><em>Environmental assessment and exposure reduction of cockroaches: A practice parameter (2017)</em></td>
</tr>
<tr>
<td><strong>Dust Mite</strong></td>
<td><em>Environmental assessment and exposure control of dust mites: a practice parameter (2011)</em></td>
</tr>
<tr>
<td><strong>Drug Allergy</strong></td>
<td><em>Drug allergy: an updated practice parameter (2010)</em></td>
</tr>
<tr>
<td><strong>Eosinophilic Esophagitis</strong></td>
<td><em>AGA institute and the joint task force on allergy-immunology practice parameters clinical guidelines for the management of eosinophilic esophagitis</em></td>
</tr>
<tr>
<td><strong>Food Allergy</strong></td>
<td><em>Food allergy: a practice parameter update (2014)</em></td>
</tr>
<tr>
<td></td>
<td><em>Food allergy: a practice parameter (2008)</em></td>
</tr>
<tr>
<td></td>
<td><em>Peanut allergy diagnosis: A 2020 practice parameter update: systematic review and GRADE analysis (December 2020)</em></td>
</tr>
<tr>
<td><strong>Immunotherapy</strong></td>
<td><em>Sublingual immunotherapy: A focused allergen immunotherapy practice parameter update (2017)</em></td>
</tr>
<tr>
<td></td>
<td><em>Allergens immunotherapy: a practice parameter third update (2017)</em></td>
</tr>
<tr>
<td><strong>Pet/Rodent</strong></td>
<td><em>Environmental assessment and exposure control: a practice parameter—furry animals (2012)</em></td>
</tr>
<tr>
<td></td>
<td><em>Environmental assessment and exposure reduction of rodents: a practice parameter (2012)</em></td>
</tr>
<tr>
<td><strong>Primary Immunodeficiency</strong></td>
<td><em>Practice parameter for the diagnosis and management of primary immunodeficiency (2010)</em></td>
</tr>
<tr>
<td><strong>Rhinitis</strong></td>
<td><em>Rhinitis 2000: A practice parameter update</em></td>
</tr>
<tr>
<td></td>
<td><em>Treatment of seasonal allergic rhinitis: An evidence-based focused 2017 guideline update (2017)</em></td>
</tr>
<tr>
<td></td>
<td><em>Allergy and Immunology practice parameters and guidelines: The new normal</em></td>
</tr>
<tr>
<td></td>
<td><em>The diagnosis and management of rhinitis: an updated practice parameter (2008)</em></td>
</tr>
<tr>
<td><strong>Sinusitis</strong></td>
<td><em>Diagnosis and management of rhinosinusitis: a practice parameter update (2004)</em></td>
</tr>
<tr>
<td></td>
<td><em>The diagnosis and management of sinusitis: a practice parameter update (2005)</em></td>
</tr>
<tr>
<td><strong>Skin Allergy</strong></td>
<td><em>Contact dermatitis: a practice parameter update (2009)</em></td>
</tr>
<tr>
<td></td>
<td><em>The diagnosis and management of acute and chronic urticaria: a practice parameter update (2014)</em></td>
</tr>
<tr>
<td></td>
<td><em>Atopic dermatitis: a practice parameter update (2019)</em></td>
</tr>
<tr>
<td><strong>Stinging Insect Allergy</strong></td>
<td><em>Stinging insect hypersensitivity: A practice parameter update (2018)</em></td>
</tr>
<tr>
<td></td>
<td><em>Stinging insect hypersensitivity (2018)</em></td>
</tr>
<tr>
<td><strong>Vaccines</strong></td>
<td><em>Administration of influenza vaccines to egg allergic recipients: A practice parameter update (2017)</em></td>
</tr>
<tr>
<td></td>
<td><em>Adverse reactions to vaccines (2012)</em></td>
</tr>
<tr>
<td></td>
<td><em>Administering influenza vaccine to egg allergic recipients (2010)</em></td>
</tr>
</tbody>
</table>

https://www.aaaai.org/Allergist-Resources/Statements-Practice-Parameters/Practice-Parameters-Guidelines
Resources

- **Core**
  - Basic immunology text
  - Allergy & immunology text
  - Practice parameters

- **Adjunct**
  - Board review book
  - Board review course
  - Northwestern syllabus
  - Question mountain
  - AAAAI website
  - ACAAI website
  - COLA virtual lectures
ACAAI Board Review Book

- 4th Edition 2021
- 550 pages
- 600 flashcards
- Cost
  - ACAAI Member FIT
    - $152 print & online
    - $65 online only
  - ACAAI Member
    - $182 print & online
    - $79 online only

https://education.acaai.org/brbook#group-tabs-node-course-default1
Board Review Course

• 2022 Enrollment opens April 2022

• 2020 Course
  • Virtual only
  • 33 topics/speakers

• Cost 2020 Course
  • AAAAI/ACAAI FIT
    • $250
  • AAAAI/ACAAI Member
    • $350

https://education.acaai.org/brbook#group-tabs-node-course-default1
NWU Syllabus in AAP

- 2019 Northwestern University Syllabus
- 133 pages
- 31 topics/chapters

Subscribers
- Have it
- Download pdf

Non-subscribers
- $25 + shipping

https://allergyandasthmaproceedings.com/allergy-immunology-syllabus/
Allergy & Immunology board review

- Achieve excellence in Allergy boards and test preparation. Join TODAY. Computer based testing format. Make use of our great rates!
- High-yield questions. Detailed explanations. Follow test scores over time. A total of 200 questions in 8 categories: Immune cells (28), Anatomy and physiology (10), Research methods (23), Hypersensitivity (49), Immunology (35), Pharmacology (10), Diagnosis (10), Immune mechanisms (35).
- No software required. Compatible with PC, Mac, and Linux. Mobile-optimized for questions on the go!

Question Distribution

TOTAL=200
Categories=8

Subscriptions

<table>
<thead>
<tr>
<th>Days (expires)</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 days (Mar 14, 2022)</td>
<td>$30.99</td>
</tr>
<tr>
<td>60 days (Apr 13, 2022)</td>
<td>$49.99</td>
</tr>
<tr>
<td>90 days (May 13, 2022)</td>
<td>$59.99</td>
</tr>
<tr>
<td>180 days (Aug 11, 2022)</td>
<td>$79.99</td>
</tr>
</tbody>
</table>

Buy now
Institutions/ groups
Question Mountain

- 200 questions
- 8 Categories
  - Hypersensitivity (49)
  - Immune mechanisms (35)
  - Immunology (35)
  - Immune cells (28)
  - Research methods (23)
  - Pharmacology (10)
  - Diagnosis (10)
  - Anatomy & physiology (10)

https://www.questionmountain.com
On Line Resources
American Academy of Allergy, Asthma & Immunology

The American Academy of Allergy, Asthma & Immunology (AAAAI) is the leading membership organization of more than 7,000 allergists / immunologists and patients' trusted resource for allergies, asthma and immune deficiency disorders.

AAAAI Member Portal

Latest News for Members

AAAAI Member Updates
2/4/2021

Tweets by @AAAAI

Allergists & clinicians thought Asthma was the same & treated it with similar treatments. Researchers & clinicians have learned this is not true. There are differences in type of lung inflammation & clinical features of the disease (e.g. bronch).
https://twitter.com/jamie_dowd
For Fellows-in-Training

For Fellows-in-Training Overview
Browse our resources for both new fellows and for those winding up their training. You will find information on becoming an in-training member of the AAAAI, applying for grants and awards, attending the AAAAI Annual Meeting, clinical resources and much more.

AAAAI Constituency Groups
The AAAAI is comprised of varying and unique constituencies with a similar mission—advancing the practice of allergy / immunology and providing knowledge so you may better serve your patients. We encourage you to participate in one or more of these constituency groups.

Continuing Education in Allergy and Immunology
The AAAAI provides a variety of continuing education opportunities to help you stay current with the latest discoveries in the field and apply these findings to research and clinical activities.

In-training Exam for Fellows Timeline
Review the timeline for the next In-Training Exam.

The Fellow-in-Training (FIT)/Faculty Reviewer Program
This program is intended to facilitate faculty mentorship to assist FITs in learning how to review for scientific journals.
For Fellows-in-Training Overview

Browse our resources for both new fellows and for those winding up their training. You will find information on becoming an in-training member of the AAAAI, applying for grants and awards, attending the AAAAI Annual Meeting, clinical resources and much more.

AAAAI Constituency Groups

The AAAAI is comprised of varying and unique constituencies with a similar mission—advancing the practice of allergy / immunology and providing knowledge so you may better serve your patients. We encourage you to participate in one or more of these constituency groups.

Continuing Education in Allergy and Immunology

The AAAAI provides a variety of continuing education opportunities to help you stay current with the latest discoveries in the field and apply these findings to research and clinical activities.

In-training Exam for Fellows Timeline

Review the timeline for the next In-Training Exam.

The Fellow-in-Training (FIT)/Faculty Reviewer Program

This program is intended to facilitate faculty mentorship to assist FITs in learning how to review for scientific journals.
Timothy J. Craig, DO, FAAAAI
Fellows-In-Training Committee Board Representative

Mari Duran
Fellows-In-Training Committee Staff Liaison

FIT Membership
  • In Training Membership

Connect with Other FITs
  • FIT Committee (The FIT Committee is listed under the Division drop down menu)
  • FIT Facebook
  • FIT Instagram
  • FIT Listserv
  • FIT Twitter

Boards/Exams
  • AAAAAI/AAAAI Board Review Course
  • American Board of Allergy and Immunology (AAAAI)
  • In-Training Examination Timeline

Career Development
  • Career Connections
  • Career Paths in Allergy and Immunology Session 1
  • Why AAI?

Educational Resources
  • AAAAAI Journals
  • Continuing Education
  • Landmark Reading List
  • Podcasts
  • Practice Management Tools
  • Practice Parameters
  • Webinars
Timothy J. Craig, DO, FAAAAI
Fellows-In-Training Committee Board Representative

Mari Duran
Fellows-In-Training Committee Staff Liaison

FIT Membership
- In Training Membership

Connect with Other FITs
- FIT Committee
- FIT Facebook
- FIT Instagram
- FIT Listserv
- FIT Twitter

Boards/Exams
- AAAAA/AACAI Board Review Course
- American Board of Allergy and Immunology (AAAAI)
- In-Training Examination Timeline

Career Development
- Career Connections
- Career Paths in Allergy and Immunology Session 1
- Why A/I?

Educational Resources
- AAAAA Journals
- Continuing Education
- Landmark Reading List
- Podcasts
- Practice Management Tools
- Practice Parameters
- Webinars
AAAAAI FIT Overview

**Boards/Exams**
- AAAAI/ACAAI Board Review Course
- American Board of Allergy and Immunology (ABAI)
- In-Training Examination Timeline
AAAAAI FIT Overview

• Already covered
Timothy J. Craig, DO, FAAAAI
Fellows-In-Training Committee Board Representative

Mari Duran
Fellows-In-Training Committee Staff Liaison

FIT Membership
• In Training Membership

Connect with Other FITs
• FIT Committee
• FIT Facebook
• FIT Instagram
• FIT Listserv
• FIT Twitter

Boards/Exams
• AAAAI/AAAAI Board Review Course
• American Board of Allergy and Immunology (AAAAI)
• In-Training Examination Timeline

Career Development
• Career Connections
• Career Paths in Allergy and Immunology Session 1
• Why AAI?

Educational Resources
• AAAAI Journals
• Continuous Education
• Landmark Reading List
• Podcasts
• Practice Management Tools
• Practice Parameters
• Webinars
Educational Resources

- AAAAI Journals
- Continuing Education
- Landmark Reading List
- Podcasts
- Practice Management Tools
- Practice Parameters
- Webinars
Educational Resources

- AAAAI Journals
- Continuing Education
- Landmark Reading List
- Podcasts
- Practice Management Tools
- Practice Parameters
- Webinars
Statements & Practice Parameters

Statements & Practice Parameters Overview
AAAAl statements and practice parameters assist healthcare professionals by providing information on clinical and scientific advances.

Current Statements and Work Group Reports
Access current AAAAl position statements and work group reports.

Archived Statements and Work Group Reports
Access archived AAAAl position statements and work group reports that were created more than 5 years ago.

Practice Parameters and Guidelines
Practice parameters are designed to assist clinicians in providing high quality assessment and treatment that is consistent with the best available scientific evidence and clinical consensus.

Development and Review Process for New Statements
Learn more on how AAAAl experts oversee the statement review and development process.

Consultation and Referral Guidelines
These consultation and referral guidelines assist patients and healthcare professionals determine when a referral to an allergist/immunologist is needed.
Practice Parameters +

https://www.aaaaai.org/Allergist-Resources/Statements-Practice-Parameters/Practice-Parameters-Guidelines

Allergy Testing
- Allergy diagnostic testing: an updated practice parameter (2008)

Anaphylaxis
- Anaphylaxis—a 2020 practice parameter update, systematic review, and Grading of Recommendations Assessment, Development, and Evaluation (GRADE) analysis (2020)

Emergency department diagnosis and treatment of anaphylaxis, a practice parameter (2004)

Asthma
- Exercise-induced bronchoconstriction, a practice parameter update (2014)
- Management of acute loss of asthma control in the yellow zone: a practice parameter (2014)
- Attaining optimal asthma control, a practice parameter (2007)

Algorithm for the diagnosis and management of asthma, a practice parameter update (2007)

Practice parameters for the diagnosis and treatment of asthma (2004)

Cockroach Allergy

Dust Mite
- Environmental assessment and exposure control of dust mites: a practice parameter (2011)

Drug Allergy

Eosinophilic Esophagitis
- AGA institute and the Joint Task Force on allergy, immunology, and practice parameters clinical guidelines for the management of eosinophilic esophagitis

Food Allergy
- Food allergy: a practice parameter update (2014)
- Peanut allergy: diagnosis: A 2020 practice parameter update, systematic review, and GRADE analysis (December 2020)

Immunotherapy
- Sublingual immunotherapy: A focused aller/symptom immunotherapy practice parameter update (2021)

Pet/Rodent
- Environmental assessment and exposure control: a practice parameter—furry animals (2012)

Primary Immunodeficiency
- Practice parameter for the diagnosis and management of primary immunodeficiency (2015)

Rhinitis
- Rhinitis 2020: A practice parameter update
- Allergy and immunologic practice parameters and guidelines: The new normal

Sinusitis
- Diagnosis and management of rhinosinusitis, a practice parameter update (2014)

Skin Allergy
- Contact dermatitis: a practice parameter update (2007)
- The diagnosis and management of acute and chronic urticaria: a practice parameter update (2014)

Stinging Insect Allergy
- Stinging insect hypersensitivity (2011)

Vaccines
- Administration of influenza vaccines to egg allergic recipients: a practice parameter update (2018)
- Adverse reactions to vaccines (2012)
- Administration of influenza vaccine to egg allergic recipients (2010)

Additional Evidence-Based Guidelines and Resources
- A Comprehensive Approach to the Primary Prevention of Food Allergy through Nutritional Guidance from the American Academy of Allergy, Asthma, and Immunology, American Academy of Pediatrics, and the American College of Allergy, Asthma, and Immunology
- 2015 Update Update to the Asthma Management Guidelines: A Report from the National Asthma Education and Prevention Program Clinical Guidelines Committee to Update the 2007 Guidelines for the Diagnosis and Management of Asthma
- Intermountain Healthcare Clinical and Practice Management: Antiretroviral Therapy for Human Immunodeficiency Virus
- Opioid use in the treatment of asthma (March 2016)
- Clinical Practice Statement: Bulletin Division of the Society of Allergy, Asthma & Immunology (SAAI)
- Asthma guidelines for the management of adult asthma in the United States: Report of the National Institute of Allergy and Infectious Diseases-sponsored expert panel (January 2017)
- 2013 Environment Controlling Practices and Asthma Management October 2013
- Consumer Communication on Early-Preventive Introduction of the Prevention of Parenteral Allergens: A Task Force (June 2013)
- Quality Measures and Their Inference to Allergy/Eosinophils: The Journal of Allergy and Clinical Immunology
- Practice parameter update (2011)
- Summary of the New Food Allergy Guidelines for Pediatrics (September 2013)
- Summary of the New Food Allergy Guidelines for Pediatrics (January 2014)
- Guidelines for the diagnosis and management of food allergy in the United States Report of the NIAID-sponsored expert panel (March 2014): Food Allergy
- National Institutes of Health: Asthma
AAAAAI FIT Overview

Educational Resources

- AAAAI Journals
- Continuing Education
- Landmark Reading List
- Podcasts
- Practice Management Tools
- Practice Parameters
- Webinars
AAAAl FIT Overview

Educational Resources

- AAAAl Journals
- Continuing Education
- Landmark Reading List
- Podcasts
- Practice Management Tools
- Practice Parameters
- Webinars
Educational Resources

- AAAAI Journals
- **Continuing Education**
- Landmark Reading List
- Podcasts
- Practice Management Tools
- Practice Parameters
- Webinars
For Fellows-in-Training Overview

Browse our resources for both new fellows and for those winding up their training. You will find information on becoming an in-training member of the AAAAI, applying for grants and awards, attending the AAAAI Annual Meeting, clinical resources and much more.

AAAAI Constituency Groups

The AAAAI is comprised of varying and unique constituencies with a similar mission—advancing the practice of allergy / immunology and providing knowledge so you may better serve your patients. We encourage you to participate in one or more of these constituency groups.

In-training Exam for Fellows Timeline

Review the timeline for the next In-Training Exam.

The Fellow-in-Training (FIT)/Faculty Reviewer Program

This program is intended to facilitate faculty mentorship to assist FITs in learning how to review for scientific journals.

Continuing Education in Allergy and Immunology

The AAAAI provides a variety of continuing education opportunities to help you stay current with the latest discoveries in the field and apply these findings to research and clinical activities.
Continuing Education in Allergy and Immunology

The AAAAI provides a variety of continuing education opportunities to help you stay current with the latest discoveries in the field and apply these findings to research and clinical activities. The majority of these activities are designated for Category 1 credit towards the AMA Physician’s Recognition Award. The AAAAI is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide CME for physicians.

The AAAAI Annual Meeting is the premier continuing education event. It provides an opportunity for physicians to earn up to 50 Category 1 credits. In addition, a variety of education activities are accredited by the AAAAI each year. These include both live meetings and print and online enduring materials. Some are developed by the AAAAI, and several are completed through joint efforts with academic institutions, lay and non-profit organizations, and the Regional, State and Local Allergy, Asthma and Immunology Societies (RSLAAIS).

CME credits offered by the AAAAI can also support allergist/immunologists participating in Maintenance of Certification® through the American Board of Allergy and Immunology (ABAII)

A list of current AAAAI CME offerings can be found in the Continuing Education Center.

For additional information, contact the AAAAI executive office at (414) 272-6071.
Continuing Education in Allergy and Immunology

The AAAAI provides a variety of continuing education opportunities to help you stay current with the latest discoveries in the field and apply these findings to research and clinical activities. The majority of these activities are designated for Category 1 credit towards the AMA Physician’s Recognition Award. The AAAAI is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide CME for physicians.

The AAAAI Annual Meeting is the premier continuing education event. It provides an opportunity for physicians to earn up to 50 Category 1 credits. In addition, a variety of education activities are accredited by the AAAAI each year. These include both live meetings and print and online enduring materials. Some are developed by the AAAAI, and several are completed through joint efforts with academic institutions, lay and non-profit organizations, and the Regional, State and Local Allergy, Asthma and Immunology Societies (RSLAAIS).

CME credits offered by the AAAAI can also support allergist/immunologists participating in Maintenance of Certification® through the American Board of Allergy and Immunology (ABAII). A list of current AAAAI CME offerings can be found in the Continuing Education Center.

For additional information, contact the AAAAI executive office at (414) 272-6071.
### Educational Resources by Topic

<table>
<thead>
<tr>
<th>Allergens, Allergy Testing &amp; Allergy Therapeutics</th>
<th>Allergic &amp; Immunologic Skin Diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allergy Office Practice</td>
<td>Anaphylaxis, Urticaria &amp; Angioedema</td>
</tr>
<tr>
<td>Asthma</td>
<td>Autoimmune &amp; Autoinflammatory Disorders</td>
</tr>
<tr>
<td>Drug Allergy, Insect Allergy &amp; Vaccines</td>
<td>Food Allergy</td>
</tr>
<tr>
<td>Immune Mechanisms</td>
<td>Immunodeficiency</td>
</tr>
<tr>
<td>Lung Diseases Other Than Asthma</td>
<td>Mast Cell &amp; Eosinophilic Disorders</td>
</tr>
<tr>
<td>Research Principles</td>
<td>Rhinosinusitis &amp; Ocular Allergy</td>
</tr>
</tbody>
</table>
# AAAAI Continuing Education Center

<table>
<thead>
<tr>
<th>Educational Resources by Topic</th>
<th>Allergens, Allergy Testing &amp; Allergy Therapeutics</th>
<th>Allergic &amp; Immunologic Skin Diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Allergy Office Practice</td>
<td>Anaphylaxis, Urticaria &amp; Angioedema</td>
</tr>
<tr>
<td></td>
<td>Asthma</td>
<td>Autoimmune &amp; Autoinflammatory Disorders</td>
</tr>
<tr>
<td></td>
<td>Drug Allergy, Insect Allergy &amp; Vaccines</td>
<td>Food Allergy</td>
</tr>
<tr>
<td></td>
<td>Immune Mechanisms</td>
<td>Immunodeficiency</td>
</tr>
<tr>
<td></td>
<td>Lung Diseases Other Than Asthma</td>
<td>Mast Cell &amp; Eosinophilic Disorders</td>
</tr>
<tr>
<td></td>
<td>Research Principles</td>
<td>Rhinosinusitis &amp; Ocular Allergy</td>
</tr>
</tbody>
</table>
2021 ANNUAL MEETING
LAST CHANCE!
VIEW RECORDINGS FROM THIS YEAR'S MEETING
February 26 - March 1, 2021
https://aaaaimeeting.aaaai.org/

Resources for A/I Clinicians During the COVID-19 Pandemic

The AAAAI is committed to providing you with resources that will help you navigate coronavirus disease 2019 (COVID-19).

This resource page will be continually updated as we learn more. We encourage you to bookmark it and check back often.

Educational Resources by Topic

Allergens, Allergy Testing, & Allergy Therapeutics

Allergy Office Practice

Asthma

Other Allergy Topics

Allergic & Immunologic Skin Diseases

Anaphylaxis, Urticaria & Angioedema

Autoimmune & Autoinflammatory Disorders
Announcements

2021 ANNUAL MEETING
LAST CHANCE!
VIEW RECORDINGS FROM THIS YEAR’S MEETING
February 28 - March 1, 2021
https://annualmeeting.aaaai.org/

Resources for A/I Clinicians During the COVID-19 Pandemic

The AAAAI is committed to providing you with resources that will help you navigate coronavirus disease 2019 (COVID-19).

This resource page will be continually updated as we learn more. We encourage you to bookmark it and check back often.

Educational Resources by Topic

- Allergens, Allergy Testing & Allergy Therapeutics
- Allergy Office Practice
- Asthma

- Allergic & Immunologic Skin Diseases
- Anaphylaxis, Urticaria & Angioedema
- Autoimmune & Autoinflammatory Disorders

Your Account

Profile
Transcript

You must be logged in to access items marked with an asterisk (*).
## Resources for A/I Clinicians During the COVID-19 Pandemic

The AAAAI is committed to providing you with resources that will help you navigate coronavirus disease 2019 (COVID-19). This resource page will be continually updated as we learn more. We encourage you to bookmark it and check back often.

### Educational Resources by Topic

<table>
<thead>
<tr>
<th>Category</th>
<th>Subcategory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allergens, Allergy Testing</td>
<td>Allergy Therapeutics</td>
</tr>
<tr>
<td>Allergen Office Practice</td>
<td>Allergic &amp; Immunologic Skin Diseases</td>
</tr>
<tr>
<td>Asthma</td>
<td>Anaphylaxis, Urticaria &amp; Angioedema</td>
</tr>
<tr>
<td></td>
<td>Autoimmune &amp; Autoinflammatory Disorders</td>
</tr>
</tbody>
</table>

*You must be logged in to access items marked with an asterisk (*)
Welcome!

The Program Directors Assembly Toolbox includes a variety of resources for use by training program directors in the management of their programs and the training of their fellows.

Please contact pd@aaai.org with questions or for more information.

**2022 Virtual Program Directors Assembly Winter Meeting**

JANUARY 8, 2022

Welcome and Announcements/Presidential Welcome and Updates (click for video)
David A. Khan, MD; Gizelle B. Mosnaim, MD MS and Mark L. Corbett, MD
- [Mosnaim.pdf](https://education.aaai.org/tpdtoolbox/Mosnaim.pdf)
- [Corbett.pdf](https://education.aaai.org/tpdtoolbox/Corbett.pdf)

How to Help a Learner Who Isn’t Meeting Expectations (click for video)
Breanna L. Sherrow, PhD
- [Sherrow.pdf](https://education.aaai.org/tpdtoolbox/Sherrow.pdf)

Best Practices for Giving Evaluation Feedback and Increasing Honest Participation (click for video)
Lily Pien, MD
- [Pien.pdf](https://education.aaai.org/tpdtoolbox/Pien.pdf)

Meeting the Milestones with a Struggling Learner Breakouts (click for video)
Amy Stallings, MD
- [Stallings.pdf](https://education.aaai.org/tpdtoolbox/Stallings.pdf)

Practical Tips on Giving and Getting Honest Feedback Breakouts (click for video)
Kimberly Risma, MD PhD
- [Risma.pdf](https://education.aaai.org/tpdtoolbox/Risma.pdf)

Allergy/Immunology Clinical Rotation Curriculum Update (click for video)
Rebecca Scherzer, MD
- [Scherzer.pdf](https://education.aaai.org/tpdtoolbox/Scherzer.pdf)

American Board of Allergy and Immunology (AAAAI) Update/ PDA Announcements, Open Forum and Closing Comments (click for video)
Michael R. Nelson, MD PhD David A. Khan, MD
- [Nelson.pdf](https://education.aaai.org/tpdtoolbox/Nelson.pdf)

**Additional Educational Links**

AAAAI Continuing Education Center (Educational Resources by Topic in the middle of the page)

AAAAI Teaching Slides

AAAAI Telemedicine Resources

CIS Webinars

Conferences On-line Allergy (COLA)

COVID-19 Resources for Academic Practices

The Journal of Allergy and Clinical Immunology

The Journal of Allergy and Clinical Immunology: In Practice

MedCQ Portal

Scholar: 12

Scholar: 7

Developing and Maintaining Excellence in Allergy/Immunology Fellowships Training Programs Session

RECORDING OF LIVE ZOOM SESSION:

DEVELOPING AND MAINTAINING EXCELLENCE IN ALLERGY/IMMUNOLOGY FELLOWSHIPS TRAINING PROGRAMS SESSION
Program Directors Assembly Toolbox

Welcome!
The Program Directors Assembly Toolbox includes a variety of resources for use by training program directors in the management of their programs and the training of their fellows.

Please contact pd@aaaai.org with questions or for more information.

2022 Virtual Program Directors Assembly Winter Meeting

JANUARY 8, 2022
Welcome and Announcements/Presidential Welcome and Updates (click for video)
David A. Khan, MD; Giselle B. Moshain, MD MS and Mark L. Corbett, MD
- Moshain.pdf
- Corbett.pdf
How to Help a Learner Who Isn’t Meeting Expectations (click for video)
Breanna L. Sherrow, PhD
- Sherrow.pdf
Best Practices for Giving Evaluation Feedback and Increasing Honest Participation (click for video)
Lily Fien, MD
- Fien.pdf
Meeting the Milestones with a Struggling Learner Breakouts (click for video)
Amy Stallings, MD
- Stallings.pdf
Practical Tips on Giving and Getting Honest Feedback Breakouts (click for video)
Kimberly Risma, MD PhD
- Risma.pdf
Allergy/Immunology Clinical Rotation Curriculum Update (click for video)
Rebecca Scharzer, MD
- Scharzer.pdf
American Board of Allergy and Immunology (AAAAI) Update/ PDA Announcements, Open Forum and Closing Comments (click for video)
Michael R. Nelson, MD PhD; David A. Khan, MD
- Nelson.pdf

Additional Educational Links

AAAAI Continuing Education Center (Educational Resources by Topic in the middle of the page)
AAAAI Teaching Slides
AAAAI Telemedicine Resources
CIS Webinars
Conferences On-line Allergy (COLA)
COVID-19 Resources for Academic Practices
The Journal of Allergy and Clinical Immunology
The Journal of Allergy and Clinical Immunology: In Practice
MedEd Portal
Scholar:12
Scholar:7

Developing and Maintaining Excellence in Allergy/Immunology Fellowships Training Programs Session

RECORDING OF LIVE ZOOM SESSION:
DEVELOPING AND MAINTAINING EXCELLENCE IN ALLERGY/IMMUNOLOGY FELLOWSHIPS TRAINING PROGRAMS SESSION
Webinars

Resources

» WEBbook of Biologic Therapies
» Find an Immunologist
» Job Board
» Video Library
» Webinars
» DLI Lab Directory
» Funding/Grants
» Advocacy
» Related Organizations

CIS is pleased to provide recordings of our webinar series of immune deficiency case presentations. Hosted by the ECI Committee, this interactive electronic format emphasizes discussion of interesting cases where we can all learn from each other.

Registration is free and all are welcome!

Please note: CME is not offered for this webinar series, whether live or recorded.

December 21, 2021

November 23, 2021

November 2, 2021

September 21, 2021
Welcome!

The Program Directors Assembly Toolbox includes a variety of resources for use by training program directors in the management of their programs and the training of their fellows. Please contact pd@aaai.org with questions or for more information.

2022 Virtual Program Directors Assembly Winter Meeting

JANUARY 8, 2022

Welcome and Announcements/Presidential Welcome and Updates (click for video)
David A. Khan, MD; Giacomo B. Moza, MD IM; and Mark L. Corbett, MD
Moza.pdf
Corbett.pdf

How to Help a Learner Who Isn’t Meeting Expectations (click for video)
Breanna L. Sermersheim, PhD
Sermersheim.pdf

Best Practices for Giving Evaluation Feedback and Increasing Honest Participation (click for video)
Lily Pien, MD
Pien.pdf

Meeting the Milestones with a Struggling Learner Breakouts (click for video)
Amy Stallings, MD
Stallings.pdf

Practical Tips on Giving and Getting Honest Feedback Breakouts (click for video)
Ruth Holmans, MD PhD
Holmans.pdf

American Board of Allergy and Immunology (AAAAI) Update/ PDA Announcements: Open Forum and Closing Comments (click for video)
Michael R. Nelson, MD PhD; David A. Khan, MD
Nelson.pdf

Additional Educational Links

AAAAI Continuing Education Center (Educational Resources by Topic in the middle of the page)

AAAAI Teaching Slides

AAAAI Telemedicine Resources

CIS Webinars

Conferences On Line Allergy (COLA)

COVID-19 Resources for Academic Practices

The Journal of Allergy and Clinical Immunology

The Journal of Allergy and Clinical Immunology: In Practice

MedEd Portal

Scholar.12

Scholar.7

Developing and Maintaining Excellence in Allergy/Immunology Fellowships Training Programs Session

RECORDING OF LIVE ZOOM SESSION:

DEVELOPING AND MAINTAINING EXCELLENCE IN ALLERGY/IMMUNOLOGY FELLOWSHIPS TRAINING PROGRAMS SESSION
Program Directors Assembly Toolbox

Welcome!
The Program Directors Assembly Toolbox includes a variety of resources for use by training program directors in the management of their programs and the training of their fellows.

Please contact pd@aaai.org with questions or for more information.

2022 Virtual Program Directors Assembly Winter Meeting

JANUARY 8, 2022

Welcome and Announcements/Presidential Welcome and Updates (click for video)
David A. Khan, MD; Giuseppe S. Moschini, MD MS and Mark L. Corbett, MD
Moschini.pdf
Corbett.pdf

How to Help a Learner Who Isn’t Meeting Expectations (click for video)
Breanna L. Shermer, PhD
Shermer.pdf

Best Practices for Giving Evaluation Feedback and Increasing Honest Participation (click for video)
Lily Pien, MD
Pien.pdf

Meeting the Milestones with a Struggling Learner Breakouts (click for video)
Amy Stallings, MD
Stallings.pdf

Practical Tips on Giving and Getting Honest Feedback Breakouts (click for video)
Kimberly Risma, MD PhD
Risma.pdf

Allergy/Immunology Clinical Rotation Curriculum Update (click for video)
Rebecca Scherzer, MD
Scherzer.pdf

American Board of Allergy and Immunology (AAAAI) Update/ PDA Announcements, Open Forum and Closing Comments (click for video)
Michael R. Nelson, MD PhD; David A. Khan, MD
Nelson.pdf

Additional Educational Links

AAAAI Continuing Education Center (Educational Resources by Topic in the middle of the page)

AAAAI Teaching Slides

AAAAI Telemedicine Resources

CIS Webinars

Conferences On line Allergy (COLA)

COVID-19 Resources for Academic Practices

The Journal of Allergy and Clinical Immunology

The Journal of Allergy and Clinical Immunology: In Practice

MedPAC Portal

Scholar: 12
Scholar: 7

Developing and Maintaining Excellence in Allergy/Immunology Fellowships Training Programs Session

RECORDING OF LIVE ZOOM SESSION:
DEVELOPING AND MAINTAINING EXCELLENCE IN ALLERGY/IMMUNOLOGY FELLOWSHIPS TRAINING PROGRAMS SESSION
Delayed Hypersensitivity Skin Testing Competency - 2014 with milestone
Drug Allergy Drug Desensitization Challenge - 2014 with milestones
Immediate Hypersensitivity - 2012
Immediate Hypersensitivity Nurse - 2012
Immunoglobulin Replacement Therapy - 2014 with milestones
Immunotherapy Prescribing Mixing Handout - 2014 with milestones
Oral Food Challenge - 2014 with milestones
Patch Test - 2012
Physical Urticaria - 2014 with milestones
Pulmonary Function Testing - 2014 with milestones

Virtual Annual Meeting Videos
2019 VAM - Asthma & Immuno Mechanisms
2019 VAM - Allergens, Allergy Testing, Allergy Therapeutics
2019 VAM - Allergy Office Practice
2019 VAM - Food Allergy

Practice Management Resources
FIT/New Allergist Track (3 hours – each topic is 45 minutes)
- Negotiating Employment Contracts
- Business Management Basics
- Marketing Your Practice
2021 Virtual Program Directors Assembly Winter Meeting

JANUARY 9, 2021

ABAI Update
Michael R. Nelson, MD PhD

Innovative Methods of Virtual Teaching
Gerald B. Lee, MD

How to Identify and Address Bias/Discrimination/Racism Faced by Fellows and Faculty
Bridgette L. Jones, MD

How to Increase Diversity in Faculty and Trainees
Tamara T. Perry, MD

Novel Approaches to Virtual Learning
Marie Caccura Petrazzo, MD

How to Engage Fellows During Telemedicine Visits
Sophia Volteras, MD

Leveraging the Program Directors Network to Identify Senior Mentors in Allergy
Paul L. Pollock, MD, Edwin H. Kim, MD, Kimberly L. Sierra, MD PhD and Rebecca

Virtual Annual Meeting Videos

- 2019 VAM - Asthma & Immuno Mechanisms
- 2019 VAM - Allergens, Allergy Testing, Allergy Therapeutics
- 2019 VAM - Allergy Office Practice
- 2019 VAM - Food Allergy

Practice Management Resources

FIT/New Allergist Track (3 hours – each topic is 45 minutes)

- Negotiating Employment Contracts
- Business Management Basics
- Marketing Your Practice
ACGME Requirements

- Update for 2020

Alumni Surveys

- Alumni Survey: Year One Post Graduation
- Alumni Survey: Years 2 & 5 of Fellowship

Education Modules

The files below contain education modules for use in allergy/immunology fellowship programs.

- Hypersensitivity Disorder
  - Amy Klon, MD and Princess U. Ogbugu, MD FAAAAI
  - 2014 AAAAA Annual Meeting
  - PowerPoint Presentation

Don't Miss Tuesday's Plenary Session 5101

Bioaerosols: When Not to Take a Deep Breath at Work

Tuesday
8:15 am to 9:45 am
Convention Center, Ground Level, Exhibit Hall A

Coming soon:
ACGME Requirements
- Update for 2020

Alumni Surveys
Use the documents here to survey program alumni after fellowship.
- Alumni Survey: Year One Post Graduation
- Alumni Survey: Years 2 & 5 of Fellowship

Education Modules
The files below contain education modules for use in allergy/immunology fellowship programs.

Hypereosinophilic Syndrome
Amy Kion, MD and Princess U. Ogbugho, MD FAAAAI
2014 AAAAI Annual Meeting
- PowerPoint Presentation

Physician Wellness: Avoiding Burnout, Finding Balance
Burnout continues to be widespread in medicine. This session will help you recognize the symptoms of burnout and provide practical tips for both combating burnout and keeping it at bay.
- Download the slides for this session

Building Patient Connections With Technology and Social Media
Your patients want to connect with you online. Are you leveraging the right tools to maximize patient engagement and satisfaction? Presenters will show you how your website, Facebook pages, patient portals, text messaging and other tools can help you more fully connect with your current and future patients.
- Download the slides for this session

Demonstrating the Value of the Allergist in Academics and Private Practice
The healthcare and regulatory environment that physicians operate in is evolving rapidly. Reimbursement for physician services is changing, and compensation for employed physicians is increasingly based on outcomes prioritized by the healthcare organization. In this environment, how can you demonstrate the value of allergy services to your organization, payers, referring physicians and the public? This session will explore ways the allergist in private or academic practice can begin meeting these challenges.
- Download the slides for this session

Don't Miss Tuesday’s Plenary Session 5101
Bioaerosols: When Not to Take a Deep Breath at Work
Tuesday
8:15 am to 9:45 am
Convention Center, Ground Level, Exhibit Hall A
ACAAI is the premier organization for over 6,000 practicing allergists, immunologists and health care professionals.

Advocacy Insider / February 11, 2022

Now is the time to step forward and step up for allergy!

COVID-19: What You Need to Know

We have important information to help you counsel patients and manage your practice.
ACAAI is the premier organization for over 6,000 practicing allergists, immunologists, and health care professionals.

Advocacy Insider / February 11, 2022

Now is the time to step forward and step up for allergy!
Advocacy Insider / February 11, 2022

Now is the time to step forward and step up for allergy!
Now is the time to step forward and step up for allergy!

COVID-19: What You Need to Know

We have important information to help you counsel patients and manage your practice.
The College offers the following study programs:

ACAAI Review for the Allergy & Immunology Boards, Fourth Edition

NEW EDITION

The American College of Allergy Asthma & Immunology is happy to announce the release of the completely updated book, ACAAI Review for the Allergy & Immunology Boards. This textbook is directed to allergists and immunologists of all levels.

- Study guide for ABAI examination preparation
- Concise topic summaries ideal for quick review
- Hundreds of images and tables that enhance study
- Key fact and mnemonics for easy memorization
- Interactive, electronic flashcards
- Available in two formats - see below
- pdf version includes ability to highlight and annotate

Print + Online Access: Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

ACAAI Members: $159 plus $16.47 for continental US shipping
Non-members: $199 plus $16.47 for continental US shipping
ACAAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
The College offers the following study programs:

**ACAAI Review for the Allergy & Immunology Boards, Fourth Edition**

*NEW EDITION*

The American College of Allergy Asthma & Immunology is happy to announce the release of the completely updated book, *ACAAI Review for the Allergy & Immunology Boards*. This textbook is directed to allergists and immunologists of all levels.

- Study guide for ABAI examination preparation
- Concise topic summaries ideal for quick review
- Hundreds of images and tables that enhance study
- Key fact and mnemonics for easy memorization
- Interactive, electronic flashcards
- Available in two formats - see below
- pdf version includes ability to highlight and annotate

**Print + Online Access:** Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

**ACAAI Members:** $159 plus $16.47 for continental US shipping  
Non-members: $199 plus $16.47 for continental US shipping  
ACAAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
The American College of Allergy, Asthma & Immunology is happy to announce the release of the completely updated book, *ACAAI Review for the Allergy & Immunology Boards*. This textbook is directed to allergists and immunologists of all levels.

Study guide for ABAI examination preparation • Concise topic summaries ideal for quick review • Hundreds of images and tables that enhance study • Key fact and mnemonics for easy memorization • Interactive, electronic flashcards • Available in two formats - see below • pdf version includes ability to highlight and annotate

**Print + Online Access:** Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

ACAAI Members: $159 plus $16.47 for continental US shipping
Non-members: $199 plus $16.47 for continental US shipping
ACAAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
Board Review Tools

The College offers the following study programs:

- AIM Self-Assessment
- Board Review Book
- Board Review Corner
- 2022 Joint Board Review Course
- COLA
- Patch Test Scholarships
- Stats for Clinicians

ACAAI Review for the Allergy & Immunology Boards, Fourth Edition

NEW EDITION!

The American College of Allergy Asthma & Immunology is happy to announce the release of the completely updated book, *ACAAI Review for the Allergy & Immunology Boards*. This textbook is directed to allergists and immunologists of all levels.

Study guide for ABAI examination preparation • Concise topic summaries ideal for quick review • Hundreds of images and tables that enhance study • Key fact and mnemonics for easy memorization • Interactive, electronic flashcards • Available in two formats - see below • pdf version includes ability to highlight and annotate

Print + Online Access: Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

ACAAI Members: $159 plus $16.47 for continental US shipping
Non-members: $199 plus $16.47 for continental US shipping
ACAAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
The College offers the following study programs:

**ACAAI Review for the Allergy & Immunology Boards, Fourth Edition**

**NEW EDITION!**

The American College of Allergy Asthma & Immunology is happy to announce the release of the completely updated book, *ACAAI Review for the Allergy & Immunology Boards*. This textbook is directed to allergists and immunologists of all levels.

- Study guide for ABAI examination preparation
- Concise topic summaries ideal for quick review
- Hundreds of images and tables that enhance study
- Key fact and mnemonics for easy memorization
- Interactive, electronic flashcards
- Available in two formats - see below
- PDF version includes ability to highlight and annotate

**Print + Online Access:** Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

ACAAI Members: $159 plus $16.47 for continental US shipping
Non-members: $199 plus $16.47 for continental US shipping
ACAAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
AIM Self-Assessment

Price: $199 for College Members, $299 for non-members

College membership is free for Fellows-in-Training

You can earn up to 22 AMA PRA Category 1 Credit(s)™.

This first Allergy & Immunology Medicine self-assessment module is designed to help allergy/immunology providers obtain new knowledge, as well as reaffirm existing knowledge. It also helps allergists/immunologists evaluate and maintain their clinical competence. The module consists of 108 case-based, multiple-choice questions. Comprehensive discussions provide evidence-based explanations regarding all answer options, as well as provides supporting references from the current literature. The questions address two areas of study (basic science and clinical science) and nine categories (immune mechanisms, cells involved in immune response, immunological disorders, non-disease specific pharmacology/therapeutics, anatomy/physiology/pathology, research principles, hypersensitivity disorders, specific diagnostic modalities, and allergens/antigens).
AIM Self-Assessment

- New 2021 First Edition
- 108 case-based multiple choice questions
- Comprehensive discussion of all answers
- Clinical & basic science
- Cost for members $199
  No FIT discount?
The American College of Allergy, Asthma & Immunology is happy to announce the release of the completely updated book, *ACAACI Review for the Allergy & Immunology Boards, Fourth Edition*. This textbook is directed to allergists and immunologists of all levels.

Study guide for ABAI examination preparation • Concise topic summaries ideal for quick review • Hundreds of images and tables that enhance study • Key fact and mnemonics for easy memorization • Interactive, electronic flashcards • Available in two formats - see below • pdf version includes ability to highlight and annotate

**Print + Online Access**: Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

ACAACI Members: $159 plus $16.47 for continental US shipping
Non-members: $199 plus $16.47 for continental US shipping
ACAACI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
The American College of Allergy, Asthma & Immunology is happy to announce the release of the completely updated book, *ACAAI Review for the Allergy & Immunology Boards*. This textbook is directed to allergists and immunologists of all levels.

Study guide for ABAI examination preparation • Concise topic summaries ideal for quick review • Hundreds of images and tables that enhance study • Key fact and mnemonics for easy memorization • Interactive, electronic flashcards • Available in two formats - see below • pdf version includes ability to highlight and annotate

Print + Online Access: Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

ACAAI Members: $159 plus $16.47 for continental US shipping
Non-members: $199 plus $16.47 for continental US shipping
ACAAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
The Board Review Corner contains over 350 review questions developed from selected allergy and immunology textbooks by members of the FIT committee to help hone your Board preparedness. Questions from the current year organized into months and are available as a PDF document and an online quiz. Older questions are sorted by board exam topic for your review.

Questions? Contact your FIT representative.

Like review questions? You might also like AIM - Allergy & Immunology Medicine Self-Assessment program - Learn more.

### 2022

<table>
<thead>
<tr>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure &amp; Function of Allergens</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="#">PDF</a></td>
<td><a href="#">Quiz</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>May</td>
<td>June</td>
<td>July</td>
<td>August</td>
</tr>
<tr>
<td>October</td>
<td>November</td>
<td>December</td>
<td></td>
</tr>
</tbody>
</table>

### 2021

<table>
<thead>
<tr>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactions to Foods and Drug Additives</td>
<td>Antigen Recognition by B-cell and T-cell receptor</td>
<td>Antigen Presentation to T Cells</td>
<td>The Development of B and T Lymphocytes</td>
</tr>
<tr>
<td><a href="#">PDF</a></td>
<td><a href="#">Quiz</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
</tr>
<tr>
<td>May</td>
<td>June</td>
<td>July</td>
<td>August</td>
</tr>
<tr>
<td>The Development of B and T Lymphocytes</td>
<td>Antigen Presentation to T Cells</td>
<td>Humoral Immunity</td>
<td>Lymphocyte Receptor Signaling</td>
</tr>
<tr>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
</tr>
<tr>
<td>September</td>
<td>October</td>
<td>November</td>
<td>December</td>
</tr>
<tr>
<td>The Generation of Lymphocyte Antigen Receptors</td>
<td>The Mucosal Immune System</td>
<td>The Immune System in Health and Disease</td>
<td>Genetics and Epigenetics in Allergic Disease and Asthma</td>
</tr>
<tr>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
</tr>
</tbody>
</table>

### Archived Questions (2018-2020) by Topic

<table>
<thead>
<tr>
<th>Topic</th>
<th>Immune Mechanisms</th>
<th>Cells Involved in Immune Responses</th>
<th>Anatomy, Physiology, Pathology</th>
<th>Hypersensitivity Disorders</th>
<th>Immunological Disorders</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
</tr>
<tr>
<td>Non-Disease Specific Pharmacology Therapeutics</td>
<td>Specific Diagnostic Modalities</td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
<td><a href="#">PDF</a></td>
</tr>
</tbody>
</table>
The College offers the following study programs:

ACAAI Review for the Allergy & Immunology Boards, Fourth Edition

NEW EDITION!

The American College of Allergy, Asthma & Immunology is happy to announce the release of the completely updated book, *ACAAI Review for the Allergy & Immunology Boards*. This textbook is directed to allergists and immunologists of all levels.

Study guide for ABAI examination preparation • Concise topic summaries ideal for quick review • Hundreds of images and tables that enhance study • Key fact and mnemonics for easy memorization • Interactive, electronic flashcards • Available in two formats - see below • pdf version includes ability to highlight and annotate

Print + Online Access: Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

ACAAI Members: $159 plus $16.47 for continental US shipping
Non-members: $199 plus $16.47 for continental US shipping
ACAAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
The American College of Allergy, Asthma & Immunology is happy to announce the release of the completely updated book, *ACAAI Review for the Allergy & Immunology Boards.* This textbook is directed to allergists and immunologists of all levels.

Study guide for ABAI examination preparation • Concise topic summaries ideal for quick review • Hundreds of images and tables that enhance study • Key fact and mnemonics for easy memorization • Interactive, electronic flashcards • Available in two formats - see below • pdf version includes ability to highlight and annotate

**Print + Online Access:** Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

ACAAI Members: $159 plus $16.47 for continental US shipping  
Non-members: $199 plus $16.47 for continental US shipping  
ACAAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
The American College of Allergy, Asthma, & Immunology is happy to announce the release of the completely updated book, *AACAI Review for the Allergy & Immunology Boards*. This textbook is directed to allergists and immunologists of all levels.

Study guide for ABAI examination preparation • Concise topic summaries ideal for quick review • Hundreds of images and tables that enhance study • Key fact and mnemonics for easy memorization • Interactive, electronic flashcards • Available in two formats - see below • pdf version includes ability to highlight and annotate

**Print + Online Access:** Spiral bound, 550 page book plus online access to the PDF version and more than 600 interactive electronic flashcards.

AACAI Members: $159 plus $16.47 for continental US shipping
Non-members: $199 plus $16.47 for continental US shipping
AACAI Member Fellows-in-training: $129 plus $16.47 for continental US shipping
Statistics for Clinicians

Editor:
Sami L. Bahna, MD, DrPH
ACAAI is the premier organization for over 6,000 practicing allergists, immunologists and health care professionals.

Advocacy Insider / February 11, 2022
Now is the time to step forward and step up for allergy!
AACAII is the premier organization for over 6,000 practicing allergists, immunologists and health care professionals.

Advocacy Insider / February 11, 2022

Now is the time to step forward and step up for allergy!
Advocacy Insider / February 11, 2022

Now is the time to step forward and step up for allergy!
Now is the time to step forward and step up for allergy!
<table>
<thead>
<tr>
<th>Title</th>
<th>Non-member Price</th>
<th>Member price</th>
<th>Credits</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019 Financial Trends for Allergists: how do you compare?</td>
<td>FREE</td>
<td>FREE</td>
<td>NONE</td>
<td>10/15/2019 to 10/14/2022</td>
</tr>
<tr>
<td>2021 Coding for Allergy/Immunology</td>
<td>$25.00</td>
<td>FREE</td>
<td>NONE</td>
<td>12/03/2020 to 06/30/2022</td>
</tr>
<tr>
<td>All Practice Survival during COVID-19: A Town Hall</td>
<td>$25.00</td>
<td>FREE</td>
<td>NONE</td>
<td>04/02/2020 to 04/21/2022</td>
</tr>
<tr>
<td>ACAAI Review for the Allergy &amp; Immunology Boards, Fourth Edition</td>
<td>$199.00</td>
<td>$159.00</td>
<td>NONE</td>
<td>01/04/2021 to 01/03/2024</td>
</tr>
<tr>
<td>AIM Self-Assessment</td>
<td>$200.00</td>
<td>$199.00</td>
<td>22.00</td>
<td>07/06/2020 to 07/05/2023</td>
</tr>
<tr>
<td>Allergen Extract Mixing Quiz: ACAAI Members 2022</td>
<td>FREE</td>
<td>FREE</td>
<td>NONE</td>
<td>01/01/2022 to 12/31/2022</td>
</tr>
<tr>
<td>Allergen Extract Mixing Quiz: Non-members 2022</td>
<td>$100.00</td>
<td>FREE</td>
<td>NONE</td>
<td>01/01/2022 to 12/31/2022</td>
</tr>
<tr>
<td>Allergen Immunotherapy - Dust Mites, Ragweed &amp; More</td>
<td>FREE</td>
<td>FREE</td>
<td>1.00</td>
<td>12/07/2021 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Billing Biologics ABCs</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Coding 95185</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>12/20/2018 to 12/19/2022</td>
</tr>
<tr>
<td>Allergy Office: Coding for Allergy Testing</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/09/2019 to 09/09/2022</td>
</tr>
<tr>
<td>Allergy Office: Coding for Immunotherapy</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>01/09/2020 to 06/30/2022</td>
</tr>
<tr>
<td>Allergy Office: Integrating NPs/PAs</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Optimizing Schedules</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Staffing for Efficiency</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
</tbody>
</table>
## Courses

<table>
<thead>
<tr>
<th>Title</th>
<th>Non-member Price</th>
<th>Member price</th>
<th>Credits (Hours)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019 Financial Trends for Allergists: how do you compare?</td>
<td>FREE</td>
<td>FREE</td>
<td>NONE</td>
<td>10/15/2019 to 10/14/2022</td>
</tr>
<tr>
<td>2021 Coding for Allergy/Immunology</td>
<td>$25.00</td>
<td>FREE</td>
<td>NONE</td>
<td>12/03/2020 to 06/30/2022</td>
</tr>
<tr>
<td>A11 Practice Survival during COVID-19: A Town Hall</td>
<td>$25.00</td>
<td>FREE</td>
<td>NONE</td>
<td>04/02/2020 to 04/21/2022</td>
</tr>
<tr>
<td>ACAAII Review for the Allergy &amp; Immunology Boards, Fourth Edition</td>
<td>$199.00</td>
<td>$159.00</td>
<td>NONE</td>
<td>01/04/2021 to 01/03/2024</td>
</tr>
<tr>
<td>AIM Self-Assessment</td>
<td>$299.00</td>
<td>$199.00</td>
<td>22.00</td>
<td>07/06/2020 to 07/05/2023</td>
</tr>
<tr>
<td>Allergen Extract Mixing Quiz: ACAAII Members 2022</td>
<td>FREE</td>
<td>FREE</td>
<td>NONE</td>
<td>01/01/2022 to 12/31/2022</td>
</tr>
<tr>
<td>Allergen Extract Mixing Quiz: Non-members 2022</td>
<td>$100.00</td>
<td>FREE</td>
<td>NONE</td>
<td>01/01/2022 to 12/31/2022</td>
</tr>
<tr>
<td>Allergen Immunotherapy - Dust Mites, Ragweed &amp; More</td>
<td>FREE</td>
<td>FREE</td>
<td>1.00</td>
<td>12/07/2021 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Billing Biologics ABCs</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Coding 95185</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>12/20/2018 to 12/19/2022</td>
</tr>
<tr>
<td>Allergy Office: Coding for Allergy Testing</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/09/2019 to 09/09/2022</td>
</tr>
<tr>
<td>Allergy Office: Coding for Immunotherapy</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>01/09/2020 to 06/30/2022</td>
</tr>
<tr>
<td>Allergy Office: Integrating NPs/PAs</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Optimizing Schedules</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Staffing for Efficiency</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Title</td>
<td>Non-Price</td>
<td>Price</td>
<td>22.00</td>
<td>Date</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------</td>
<td>-------</td>
<td>-------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>2021 Coding for Allergy/Immunology</td>
<td>$25.00</td>
<td></td>
<td></td>
<td>12/09/2020 to 06/30/2022</td>
</tr>
<tr>
<td>All Practice Survival during COVID-19: A Town Hall</td>
<td>$25.00</td>
<td></td>
<td></td>
<td>04/02/2020 to 04/21/2022</td>
</tr>
<tr>
<td>ACAAII Review for the Allergy &amp; Immunology Boards, Fourth Edition</td>
<td>$199.00</td>
<td></td>
<td></td>
<td>01/04/2021 to 01/03/2024</td>
</tr>
<tr>
<td>AIM Self-Assessment</td>
<td>$299.00</td>
<td>$199.00</td>
<td></td>
<td>07/06/2020 to 07/05/2023</td>
</tr>
<tr>
<td>Allergen Extract Mixing Quiz: ACAAII Members 2022</td>
<td>FREE</td>
<td></td>
<td></td>
<td>01/01/2022 to 12/31/2022</td>
</tr>
<tr>
<td>Allergen Extract Mixing Quiz: Non-members 2022</td>
<td>$100.00</td>
<td>FREE</td>
<td>NONE</td>
<td>01/01/2022 to 12/31/2022</td>
</tr>
<tr>
<td>Allergen Immunotherapy - Dust Mites, Ragweed &amp; More</td>
<td>FREE</td>
<td>FREE</td>
<td>1.00</td>
<td>12/07/2021 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Billing Biologics ABCs</td>
<td>$20.00</td>
<td></td>
<td>NONE</td>
<td>12/20/2018 to 12/19/2012</td>
</tr>
<tr>
<td>Allergy Office: Coding 95165</td>
<td>$20.00</td>
<td></td>
<td>NONE</td>
<td>12/20/2018 to 12/19/2012</td>
</tr>
<tr>
<td>Allergy Office: Coding for Allergy Testing</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/09/2019 to 09/09/2022</td>
</tr>
<tr>
<td>Allergy Office: Coding for Immunotherapy</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>01/09/2020 to 09/09/2022</td>
</tr>
<tr>
<td>Allergy Office: Integrating NPs/PAIs</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Optimizing Schedules</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Allergy Office: Staffing for Efficiency</td>
<td>$20.00</td>
<td>FREE</td>
<td>NONE</td>
<td>09/24/2018 to 12/31/2022</td>
</tr>
<tr>
<td>Title</td>
<td>Date</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019 Financial Trends for Allergists</td>
<td>10/15/2019 to 10/14/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2021 Coding for Allergy/Immunology</td>
<td>12/09/2020 to 06/30/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIM Self-Assessment</td>
<td>04/02/2020 to 04/21/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACAAI Review for the Allergy &amp; Immunology</td>
<td>01/04/2021 to 01/03/2024</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergen Extract Mixing Quiz: ACAAi</td>
<td>07/06/2020 to 07/05/2023</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergen Extract Mixing Quiz: Non-ACAAi</td>
<td>01/01/2022 to 12/31/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergens Immunotherapy - Dust Mix</td>
<td>12/07/2021 to 12/31/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergy Office: Billing Biologics ABCI</td>
<td>09/24/2018 to 12/31/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergy Office: Coding 95165</td>
<td>12/20/2018 to 12/19/2012</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergy Office: Coding for Allergy Testing</td>
<td>09/09/2019 to 09/09/2012</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergy Office: Coding for Immunotherapy</td>
<td>01/09/2020 to 06/30/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergy Office: Integrating NPs/PAs</td>
<td>09/24/2018 to 12/31/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergy Office: Optimizing Schedules</td>
<td>09/24/2018 to 12/31/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allergy Office: Staffing for Efficiency</td>
<td>09/24/2018 to 12/31/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Curriculum
Curriculum

• **Structure**
  - Dependent on characteristics of available time
  - Daily vs weekly vs monthly

• **Time**
  - 25% of fellowship time devoted to academic/other
  - 42.5 hour work week
  - ~10.5 hours for academic/other per week
Structure

- ~10.5 hours for academic/other per week
  - Daily 1.5 hours M-F = 7.5 hours per week
Structure

• ~10.5 hours for academic/other per week
  • Daily 1.5 hours M-F = 7.5 hours per week
  • 3 hours (afternoon) per week
Structure

- ~10.5 hours for academic/other per week
  - Daily 1.5 hours M-F = 7.5 hours per week
  - 3 hours (afternoon) per week
    - Immunodeficiency conference once per month
      - 12 monthly conferences
      - Divided to cover all the significant immunodeficiencies
      - Curriculum repeats annually – (16% boards = immunodeficiency)
  - Journal club once per month – not board focused
  - 2 afternoons/month = 3 hours fellow academic “free” time
Structure

- Daily 1.5 hours = 7.5 hours per week
Structure

• Daily 1.5 hours = 7.5 hours per week
  • 3 days per week devoted to board review curriculum – significant preparation burden
Structure

• Daily 1.5 hours = 7.5 hours per week
  • 3 days per week devoted to board review curriculum – significant preparation burden
    • 3 x 52 weeks = 156 conferences annually
  • 3 x 52 weeks = 18 "free" academic time at holidays, spring
• 3 x 52 weeks = 186 conferences annually
• Abbas uses ~53 conference blocks (repeated annually)
• 85 conference blocks for Middleton and Practice

Parameters (PP)

• 2 year curricular map for Middleton’s and PP = 170 conferences cover ~50% Middleton and most PP
Structure

• Daily 1.5 hours = 7.5 hours per week
  • 3 days per week devoted to board review curriculum – significant preparation burden
    • 3 x 52 weeks = 156 conferences annually
    • 3 x 6 weeks = 18 “free” academic time at holidays, spring break, July orientation, etc.
Structure

• Daily 1.5 hours = 7.5 hours per week
  • 3 days per week devoted to board review curriculum – significant preparation burden
    • 3 x 52 weeks = 156 conferences annually
    • 3 x 6 weeks = 18 “free” academic time at holidays, spring break, July orientation, etc.
    • 138 conferences/annually for curriculum
Structure

- Daily 1.5 hours = 7.5 hours per week
  - 3 days per week devoted to board review curriculum – significant preparation burden
    - 3 x 52 weeks = 156 conferences annually
    - 3 x 6 weeks = 18 “free” academic time at holidays, spring break, July orientation, etc.
  - 138 conferences/annually for curriculum
  - Abbas uses ~53 conference blocks (repeated annually)
Structure

• Daily 1.5 hours = 7.5 hours per week
  • 3 days per week devoted to board review curriculum – significant preparation burden
    • 3 x 52 weeks = 156 conferences annually
    • 3 x 6 weeks = 18 “free” academic time at holidays, spring break, July orientation, etc.
  • 138 conferences/annually for curriculum
  • Abbas uses ~53 conference blocks (repeated annually)
  • 85 conference blocks for Middleton and Practice Parameters (PP)
Structure

• Daily 1.5 hours = 7.5 hours per week
  • 3 days per week devoted to board review curriculum – significant preparation burden
    • 3 x 52 weeks = 156 conferences annually
    • 3 x 6 weeks = 18 “free” academic time at holidays, spring break, July orientation, etc.
    • 138 conferences/annually for curriculum
    • Abbas uses ~53 conference blocks (repeated annually)
    • 85 conference blocks for Middleton and Practice Parameters (PP)
    • 2 year curricular map for Middleton’s and PP = 170 conferences cover ~50% Middleton and most PP
Structure

- 2 days per week cornucopia – low preparation burden
Structure

• 2 days per week cornucopia – low preparation burden
  • Some but not all will have board review content
  • Videos – COLA, CDC, AAAAI & ACAAI websites, videos/podcasts/webinars, board review, etc.
  • Staff lectures
<table>
<thead>
<tr>
<th>DAY</th>
<th>DATE</th>
<th>MONTH</th>
<th>TIME</th>
<th>SUBJECT</th>
<th>PRESENTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>1</td>
<td>APR</td>
<td>0730-0900</td>
<td>CDC Webinar</td>
<td>Staff 1</td>
</tr>
<tr>
<td>Thursday</td>
<td>2</td>
<td>APR</td>
<td>0730-0900</td>
<td>Allergen Immunotherapy PP</td>
<td>Fellow 1</td>
</tr>
<tr>
<td>Friday</td>
<td>3</td>
<td>APR</td>
<td>0730-0900</td>
<td>Staff Meeting</td>
<td>Faculty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1300-1600</td>
<td>Clinical Case Conference</td>
<td>Fellow 1</td>
</tr>
<tr>
<td>Monday</td>
<td>6</td>
<td>APR</td>
<td>0730-0900</td>
<td>Allergen Immunotherapy PP</td>
<td>Fellow 4</td>
</tr>
<tr>
<td>Tuesday</td>
<td>7</td>
<td>APR</td>
<td>0730-0900</td>
<td>Board Review Video: Urticaria and Angioedema</td>
<td>Staff 2</td>
</tr>
<tr>
<td>Wednesday</td>
<td>8</td>
<td>APR</td>
<td>0730-0900</td>
<td>Allergen Immunotherapy PP</td>
<td>Fellow 3</td>
</tr>
<tr>
<td>Thursday</td>
<td>9</td>
<td>APR</td>
<td>0730-0900</td>
<td>Allergen Immunotherapy PP</td>
<td>Fellow 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1300-1500</td>
<td>Immunodeficiency Conference</td>
<td>Fellow 2</td>
</tr>
<tr>
<td>Friday</td>
<td>10</td>
<td>APR</td>
<td>0730-0900</td>
<td>OSCE – Skin testing</td>
<td>Smith and Fellows</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1300-1600</td>
<td>Clinical Case Conference</td>
<td>Fellow 1</td>
</tr>
<tr>
<td>Monday</td>
<td>13</td>
<td>APR</td>
<td>0730-0900</td>
<td>Allergen Immunotherapy PP</td>
<td>Fellow 1</td>
</tr>
<tr>
<td>Tuesday</td>
<td>14</td>
<td>APR</td>
<td>0730-0900</td>
<td>Allergen Immunotherapy PP</td>
<td>Fellow 2</td>
</tr>
<tr>
<td>Wednesday</td>
<td>15</td>
<td>APR</td>
<td>0730-0900</td>
<td>Texas Allergy Meeting Presentation</td>
<td>Fellow 3</td>
</tr>
<tr>
<td>Thursday</td>
<td>16</td>
<td>APR</td>
<td>0730-0900</td>
<td>Board Review Video: Drug Allergy</td>
<td>Staff 1</td>
</tr>
<tr>
<td>Friday</td>
<td>17</td>
<td>APR</td>
<td>0730-0900</td>
<td>Allergen Immunotherapy PP</td>
<td>Fellow 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1300-1600</td>
<td>Clinical Case Conference</td>
<td>Fellow 1</td>
</tr>
<tr>
<td>Monday</td>
<td>20</td>
<td>APR</td>
<td>0730-0900</td>
<td>Fellowship Evaluation Committee</td>
<td>Faculty and Fellows</td>
</tr>
<tr>
<td>Tuesday</td>
<td>21</td>
<td>APR</td>
<td>0730-0900</td>
<td>Middleton Chap 59: Occupational Allergy and Asthma</td>
<td>Fellow 4</td>
</tr>
<tr>
<td>Wednesday</td>
<td>22</td>
<td>APR</td>
<td>0730-0900</td>
<td>Board Review Video: Pharmacology</td>
<td>Staff 2</td>
</tr>
<tr>
<td>Thursday</td>
<td>23</td>
<td>APR</td>
<td>0730-0900</td>
<td>Middleton Chap 60: Pathology of Asthma</td>
<td>Fellow 2</td>
</tr>
<tr>
<td>Friday</td>
<td>24</td>
<td>APR</td>
<td>0730-0900</td>
<td>COLA: Use of Biologics in Asthma and other Allergic Disorders</td>
<td>Staff 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1300-1600</td>
<td>Journal Club- WLR</td>
<td>Fellow 2</td>
</tr>
<tr>
<td>Monday</td>
<td>27</td>
<td>APR</td>
<td>0730-0900</td>
<td>Middleton Chap 61: ABPA and HP</td>
<td>Fellow 3</td>
</tr>
<tr>
<td>Tuesday</td>
<td>28</td>
<td>APR</td>
<td>0730-0900</td>
<td>Middleton: Middleton Chap 62: Immunologic Nonasthmatic Disease of the Lung</td>
<td>Fellow 5</td>
</tr>
<tr>
<td>Wednesday</td>
<td>29</td>
<td>APR</td>
<td>0730-0900</td>
<td>Military Training</td>
<td>No reading</td>
</tr>
<tr>
<td>Thursday</td>
<td>30</td>
<td>APR</td>
<td>0730-0900</td>
<td>Board Review Video: Asthma and VCD</td>
<td>Staff 1</td>
</tr>
</tbody>
</table>
Learning Environment
Learning Environment

“I expect you all to be independent, innovative, critical thinkers who will do exactly as I say!”

https://psyc208.wordpress.com/learning-styles/
Learning Environment

• Respect
• Safety
• Immediacy
• Relevance
• Engagement

- Malcolm Knowles, Ph.D.
Learning Environment

• Respect
  • Acknowledge prior experiences & accomplishments
  • Choice and voice in content, structure, and pace of curriculum
  • Staff involvement
Learning Environment

• Safety
  • No surprises - early familiarization with curriculum, resources, assessment tools, etc.
  • Pace is accountable/modifiable to well-being
  • No element alone determines high-stakes decisions
Learning Environment

• Immediacy
  • Patient care for some elements
  • Quizzes and other assessment tools
  • Challenge Bowl
  • In-Training Exam
Learning Environment

- Relevance
  - Patient care
  - Board exam
  - Quizzes and other assessment tools
  - Challenge Bowl
  - In-Training Exam
  - Staff involvement

https://union.wisc.edu/assets/Uploads/Events-Activities/Wheelhouse-Studios/MiniCourses-EffectiveLearning.pdf
Learning Environment

• Engagement
  • Group involvement
  • Staff involvement
  • Quizzes and other assessment tools
  • Challenge Bowl
  • In-Training Exam
  • Choice and voice in 2 days per week content, continuation of quizzes, overall curriculum

https://union.wisc.edu/assets/Uploads/Events-Activities/Wheelhouse-Studios/MiniCourses-EffectiveLearning.pdf
Assessment Tools

• Fellows
  • Self-reflection
  • Feedback from staff/PD
  • Performance on quizzes
  • Performance on In-Training Exam

• Program feedback/performance
  • Fellows’ feedback
    • During fellowship
    • Recent grads
  • Board pass rate
  • In-Training Exam aggregate program data
## Assessment Tools

<table>
<thead>
<tr>
<th>Category</th>
<th>#Questions</th>
<th>#Correct</th>
<th>National Average # Correct</th>
<th>Examinee Percentile</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I. Basic Science</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A. Immune mechanisms</td>
<td>12</td>
<td>8</td>
<td>7</td>
<td>71%</td>
</tr>
<tr>
<td>B. Cells Involved in Immune Responses</td>
<td>11</td>
<td>6</td>
<td>4</td>
<td>80%</td>
</tr>
<tr>
<td>C. Specific Immune Responses</td>
<td>17</td>
<td>9</td>
<td>8</td>
<td>60%</td>
</tr>
<tr>
<td>D. Laboratory Tests</td>
<td>18</td>
<td>12</td>
<td>9</td>
<td>85%</td>
</tr>
<tr>
<td>E. Anatomy / Physiology / Pathology</td>
<td>6</td>
<td>6</td>
<td>3</td>
<td>NA</td>
</tr>
<tr>
<td>F. Research Principles</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>NA</td>
</tr>
<tr>
<td><strong>II. Clinical Science</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A. Hypersensitivity Disorders</td>
<td>47</td>
<td>42</td>
<td>30</td>
<td>100%</td>
</tr>
<tr>
<td>B. Immunological Disorders</td>
<td>27</td>
<td>19</td>
<td>14</td>
<td>91%</td>
</tr>
<tr>
<td>C. Pharmacology / Therapeutics</td>
<td>26</td>
<td>20</td>
<td>14</td>
<td>97%</td>
</tr>
<tr>
<td>D. Specific Diagnostic Modalities</td>
<td>14</td>
<td>13</td>
<td>8</td>
<td>100%</td>
</tr>
<tr>
<td>E. Allergens / Antigens</td>
<td>11</td>
<td>8</td>
<td>5</td>
<td>93%</td>
</tr>
<tr>
<td><strong>Total Questions</strong></td>
<td>192</td>
<td>145</td>
<td>108</td>
<td>99%</td>
</tr>
</tbody>
</table>
## Assessment Tools

<table>
<thead>
<tr>
<th></th>
<th>Scores</th>
<th>Percentiles</th>
<th>National</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>145</td>
<td>76%</td>
<td>National</td>
</tr>
<tr>
<td>Basic Science</td>
<td>43</td>
<td>64%</td>
<td>Fellowship Year</td>
</tr>
<tr>
<td>Clinical Science</td>
<td>102</td>
<td>62%</td>
<td></td>
</tr>
</tbody>
</table>

* Item(s) discarded due to poor statistical performance

### Incorrect Responses with Question Objectives

<table>
<thead>
<tr>
<th>Question Number</th>
<th>Question Classifications and Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>II. Clinical Science&lt;br&gt;A. Hypersensitivity Disorders&lt;br&gt;06. Asthma&lt;br&gt;Objective: asthma, risk factors REF:CASTRO-ROMERO</td>
</tr>
<tr>
<td>6</td>
<td>I. Basic Science&lt;br&gt;C. Specific Immune Responses&lt;br&gt;1. Immediate Hypersensitivity (IgE-Mediated)&lt;br&gt;Objective: REF:MIDDLETON 7th ed pg 246-248</td>
</tr>
<tr>
<td>13</td>
<td>I. Basic Science&lt;br&gt;B. Cells Involved in Immune Responses&lt;br&gt;1. Lymphocytes&lt;br&gt;Objective: Memory T cell phenotype REF:ABBAS, AK et al., 2012. Cellular and Molecular Immunology. Philadelphia,</td>
</tr>
</tbody>
</table>
| 14              | I. Basic Science<br>B. Cells Involved in Immune Responses<br>4. Eosinophils<br>Objective: Eosinophil proliferation and survival REF:Human versus mouse eosinophils: "that which we call an eos
## Assessment Tools

<table>
<thead>
<tr>
<th>Item</th>
<th>Percent Correct</th>
<th>All Schools Percent Correct</th>
<th>Question Classifications and Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100%</td>
<td>65%</td>
<td>II. Clinical Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>B. Immunological Disorders</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>01. Hereditary and Acquired Angioedema</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Objective: HAE prophylaxis and pregnancy REF: hae</td>
</tr>
<tr>
<td>2</td>
<td>100%</td>
<td>82%</td>
<td>II. Clinical Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>D. Specific Diagnostic Modalities</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>09. Molecular Diagnostics / Tissue Typing</td>
</tr>
<tr>
<td>3</td>
<td>0%</td>
<td>52%</td>
<td>II. Clinical Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A. Hypersensitivity Disorders</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>06. Asthma</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Objective: asthma, risk factors REF: Castro-Rodriguez</td>
</tr>
<tr>
<td>4</td>
<td>100%</td>
<td>79%</td>
<td>I. Basic Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>D. Laboratory Tests</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>03. Cell Surface Markers and Receptors (Flow Cytometry)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Objective: REF:Manual of Clinical Laboratory Immunology, Third Edition</td>
</tr>
<tr>
<td>5</td>
<td>100%</td>
<td>76%</td>
<td>II. Clinical Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A. Hypersensitivity Disorders</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>17. Contact Hypersensitivity</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Objective: REF:Master, Letters, REF: Author: Donald Y, Belzil. Canadian contact hypersensitivity guidelines.</td>
</tr>
<tr>
<td>6</td>
<td>33%</td>
<td>67%</td>
<td>I. Basic Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C. Specific Immune Responses</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1. Immediate Hypersensitivity (IgE-Mediated)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Objective: REF:Middleton 7th ed pg 246-248</td>
</tr>
</tbody>
</table>
Summary

• ABAI board exam
• Resources
• Curriculum
• Learning environment