

# LCME Considerations for Regional Clerkships in Neurology

**Kimberly Jones, MD**

Associate Professor of Child Neurology

Assistant Dean for Student Affairs

University of Kentucky



**ANA | 2023**

148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

**PHILADELPHIA, PA**  
PHILADELPHIA MARRIOTT DOWNTOWN

**SEPTEMBER 9-12, 2023**  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# DISCLOSURES

## I have nothing to disclose

### By the end of this talk, you will

- Understand LCME considerations when starting a regional clerkship
- Identify especially challenging LCME standards for regional campus compliance
- Develop strategies to maintain LCME compliance and a thriving regional neurology clerkship



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023





**ANA | 2023**  
 148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
 PHILADELPHIA MARRIOTT DOWNTOWN

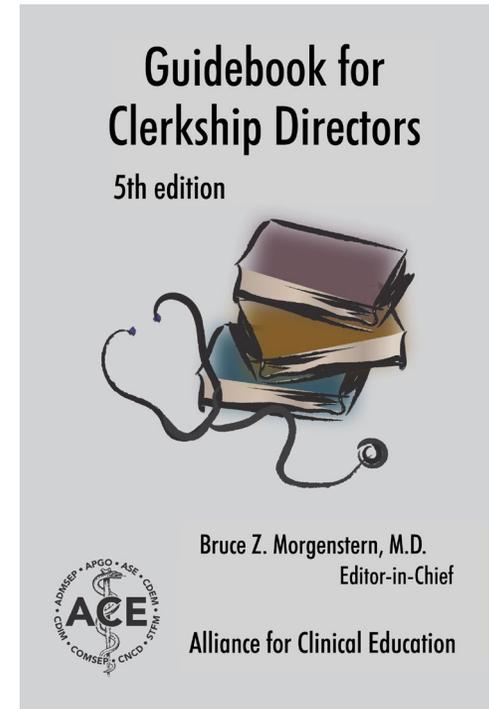
SEPTEMBER 9-12, 2023  
 OPENING SYMPOSIUM: SEPTEMBER 9, 2023



Copyright © 2020 www.mapsofworld.com

# Liaison Committee for Medical Education

- LCME Standards for Function and Structure of a Medical School
- <https://lcme.org/publications/>



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023





# What is the benefit?

- Medical School – increasing class size



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023





# What is the benefit?

- Medical School – increasing class size
- Regional Hospital/Clinic site – recruitment, financial support, connections



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023





# What is the benefit?

- Medical School – increasing class size
- Regional Hospital/Clinic site – recruitment, financial support, connections
- Students – varied clinical settings, more attending time



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023





# What is the benefit?

- Medical School – increasing class size
- Regional Hospital/Clinic site – recruitment, financial support, connections
- Students – varied clinical settings, more attending time
- Faculty – Adjunct appointment, teaching, projects, FTE support



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# What's the cost?

- Medical School – Increased complexity, financial investment



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# What's the cost?

- Medical School – Increased complexity, financial investment
- Regional Hospital/Clinic site – **reduced productivity**, increased administrative burden



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# What's the cost?

- Medical School – Increased complexity, financial investment
- Regional Hospital/Clinic site – **reduced productivity**, increased administrative burden
- Students – high acuity patients transferred, limited faculty



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# What's the cost?

- Medical School – Increased complexity, financial investment
- Regional Hospital/Clinic site – **reduced productivity**, increased administrative burden
- Students – high acuity patients transferred, limited faculty
- Faculty – Reduced RVU's, increased administrative responsibilities, students are slow



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Resources

Darling.  
Luck favors  
the prepared.



- **5.11 Study/Lounge/Storage Space/Call Rooms**

A medical school ensures that its medical students have, at each campus and affiliated clinical site, adequate study space, lounge areas, personal lockers or other secure storage facilities, and secure call rooms if students are required to participate in late night or overnight clinical learning experiences.

- **5.5 Resources for Clinical Instruction**

A medical school has, or is assured the use of, appropriate resources for the clinical instruction of its medical students in ambulatory and inpatient settings that have adequate numbers and types of patients (e.g., acuity, case mix, age, gender).

- **4.1 Sufficiency of Faculty**

A medical school has in place a sufficient cohort of faculty members with the qualifications and time required to deliver the medical curriculum and to meet the other needs and fulfill the other missions of the institution.



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Faculty

- Site director
- **2.6 Functional Integration of the Faculty**

At a medical school with one or more regional campuses, the faculty at the departmental and medical school levels at each campus are functionally integrated by appropriate administrative mechanisms (e.g., regular meetings and/or communication, periodic visits, participation in shared governance, and data sharing).

- **4.5 Faculty Professional Development**

A medical school and/or its sponsoring institution provides opportunities for professional development to each faculty member in the areas of discipline content, curricular design, program evaluation, student assessment methods, instructional methodology, and research to enhance his or her skills and leadership abilities in these areas.



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Clerkship Organization



- **8.7 Comparability of Education Assessment**

A medical school ensures that the medical curriculum includes comparable educational experiences and equivalent methods of assessment across all locations within a given course and clerkship to ensure that all medical students achieve the same medical education program objectives.

## **Frequently cited as inadequate on accreditation surveys**

- Regularly pull patient logs from EHR (Have students keep patient logs)
- Students rate clinical site
- List of required clinical experiences



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



- **9.8 Fair and Timely Summative Assessment**

A medical school has in place a system of fair and timely summative assessment of medical student achievement in each course and clerkship of the medical education program. Final grades are available within six weeks of the end of a course or clerkship.



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Students



- **3.6 Student Mistreatment**

A medical school develops effective written policies that define mistreatment, has effective mechanisms in place for a prompt response to any complaints, and supports educational activities aimed at preventing mistreatment. Mechanisms for reporting mistreatment are understood by medical students, including visiting medical students, and ensure that any violations can be registered and investigated without fear of retaliation.



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

**PHILADELPHIA, PA**  
PHILADELPHIA MARRIOTT DOWNTOWN

**SEPTEMBER 9-12, 2023**  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Steps for success of a regional clerkship

- Site Visit and written Site Agreement
- Identify site director and staff support
- Ensure adequate resources
- Unify as much as possible
- COMMUNICATION! Everyone needs to be on the same page
- Plan for potential problems
- Invest in your Faculty!



**ANA | 2023**

148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Barriers to Success

- Lack of sufficient resources: time, people, space, complexity of patients...
- Poor Communication
- Faculty who don't complying to guidelines
- Bias: “us vs them,” “they think they’re better than us”



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Create a culture of unity

- We are one medical school/ department of Neurology
- Include all faculty in meetings, mentoring, faculty development, etc.
- Core organization has to be the same across all campuses
- Include regional students and faculty in leadership and decision making
- GO VISIT!



**ANA | 2023**

148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION



# Neurology in the Multi-Centered World: Building a Successful Regional Campus

Catherine Ikard, M.D.

Assistant Professor of Neurology

The University of Alabama Heersink School of Medicine

College of Community Health Sciences

Tuscaloosa, Alabama



**ANA | 2023**

148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

**PHILADELPHIA, PA**  
PHILADELPHIA MARRIOTT DOWNTOWN

**SEPTEMBER 9-12, 2023**  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# DISCLOSURES

I have nothing to disclose

- **By the end of this talk, you will**
- Prioritize the core metrics by which you choose to measure clerkship success
- Identify how regional campuses can acceptably differ from main campus while maintaining LCME standards and shared course objectives
- Identify how regional campuses can overcome common setbacks



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Alabama Neurology Workforce

- 2017 Alabama Physician Census

	Number	People per Neurologist	Percent Female	Percent 60 or over
<b>Alabama</b>	<b>177</b>	<b>27,476</b>	<b>19.2</b>	<b>33.3</b>
<b>UAB</b>	<b>61</b>		<b>34.4</b>	<b>3.2</b>

- Supply and Demand Analysis

2012			2025		
Supply	Demand	Gap	Supply	Demand	Gap
<b>185</b>	<b>295</b>	<b>-110</b>	<b>207</b>	<b>334</b>	<b>-127</b>



# Heersink School of Medicine Campus System

- 186 total students enrolled
- 87 total faculty in Neurology
- **Birmingham**
  - 98 students
  - 80 faculty
- **Tuscaloosa**
  - 34 students
  - 3 faculty (\*2 at a time)
- **Montgomery**
  - 20 students
  - 2 faculty (\*one in a different city)
- **Huntsville**
  - 34 students
  - 2 faculty



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Branch Campus Challenges

- **Paucity of teaching faculty**
  - Reliance on private practice or volunteer teaching physicians
- Branch campuses cannot “match” the main campus teaching format
  - No Neurology residents
  - Didactics
  - No primary hospital service – consults only
- No neurological subspecialists on branch campuses
- Branch campus may have dedicated mission to primary care

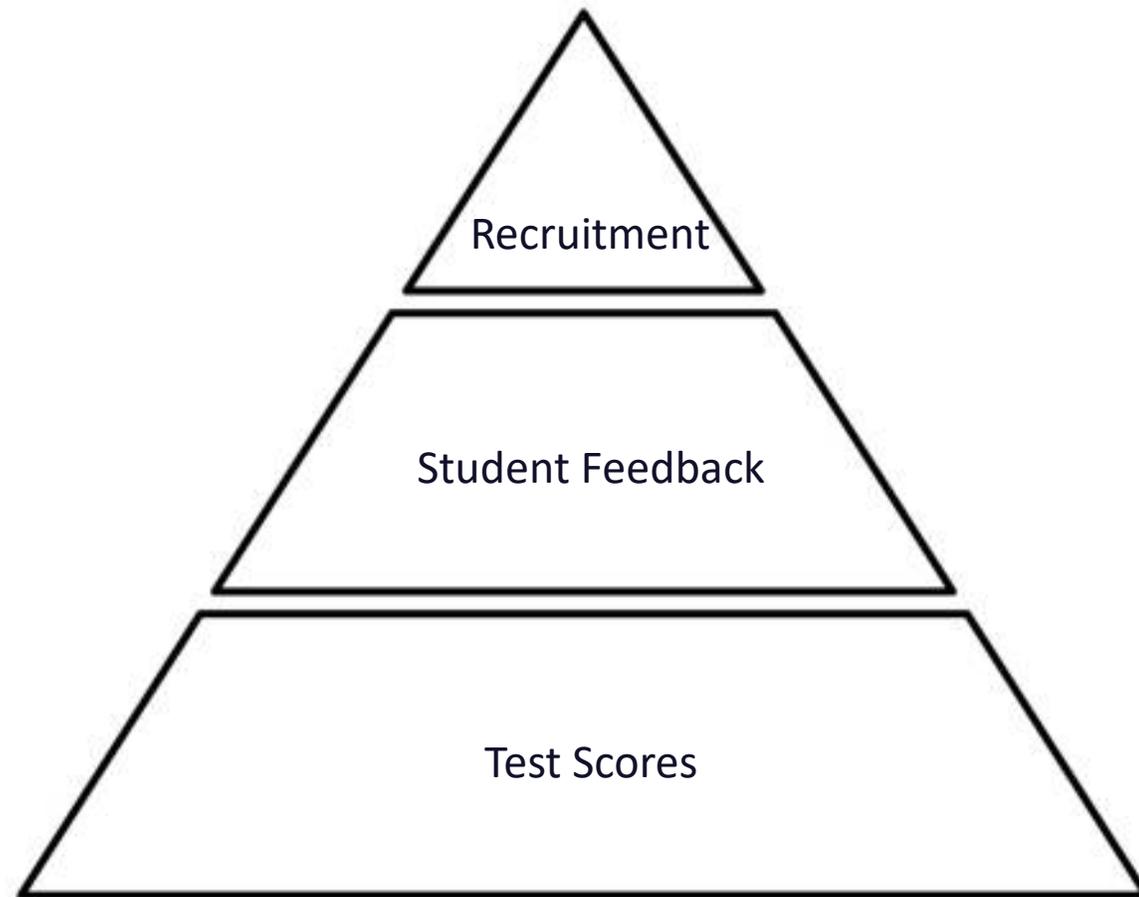


**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023





**ANA | 2023**

148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Shelf Exam Data

Neurology		National Comparison	Tuscaloosa	Birmingham	Huntsville	Montgomery
<b>Organ System/Topic</b>						
Infectious, Immunologic, and Inflammatory Disorders		79	80	80	80	82
Cerebrovascular Disease		76	75	74	77	79
Traumatic, Mechanical, and Toxic Disorders		77	82	78	80	80
Diseases of the Musculoskeletal System		76	77	74	76	75
<b>Physician task</b>						
Applying Foundational Science Concepts		76	77	77	76	78
Diagnosis		79	82	79	79	80
Health Maintenance, Pharmacotherapy, Intervention & Mgmt		79	79	77	78	80
<b>Site of Care</b>						
Ambulatory		80	82	79	79	80
Emergency Department		77	78	77	75	79
<b>Patient Group</b>						
Male		78	80	78	78	78
Female		79	81	78	79	80
Older adult		78	82	78	80	81
		<b>Campus v. National</b>				
		Highly Sig Above				
		Sig Above	3			
		Sig Below				
		Highly Sig Below				

Chart courtesy Cecil Robinson



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Shelf Exam Data

Neurology		T-N	T-B	T-H	T-M
<b>Organ System/Topic</b>					
Infectious, Immunologic, and Inflammatory Disorders		1	0	0	-2
Cerebrovascular Disease		-1	1	-2	-4
Traumatic, Mechanical, and Toxic Disorders		5	4	2	2
Diseases of the Musculoskeletal System		1	3	1	2
<b>Physician task</b>					
Applying Foundational Science Concepts		1	0	1	-1
Diagnosis		3	3	3	2
Health Maintenance, Pharmacotherapy, Intervention & Mgmt		0	2	1	-1
<b>Site of Care</b>					
Ambulatory		2	3	3	2
Emergency Department		1	1	3	-1
<b>Patient Group</b>					
Male		2	2	2	2
Female		2	3	2	1
Older adult		4	4	2	1
<b>Tuscaloosa v. Natl &amp; Other Campuses</b>					
	Above (+3)	3	6	3	
	Below (-3)				1

Chart courtesy Cecil Robinson



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Student Feedback

	May 2010-Dec 2015	May 2018-June 2023
Overall Organization	2.89	4.19
Orientation to Expectations	2.94	4.14
CD Responsive to Student Concerns	3.59	4.51
Constructive Feedback Given	3.33	4.39
Quality of Lectures	2.80	4.49
Faculty Teaching	3.50	4.49
Clerkship Overall	2.94	4.30
Preparedness for Residency	3.06	4.17

\*Rating Scale: 1=Unacceptable - Needs immediate attention, 2=Marginal - Obvious room to improve, 3=Sufficient - Met expectations for the most part, 4=Very Good - Delivered a valued student experience, 5=Sets a standard for clerkships and rises to the level of a Best Practice



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Analysis of Comments – The Good

- 74 strengths
- Themes: Autonomy, Competence, and Connection
- Specifics: Faculty preceptors, teaching (didactics, shelf prep), and organization



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Analysis of Comments – The Bad

- 21 improvements
  - Need more doctors
  - Hospital docs too busy
  - Need to give students more patients on inpatient service
  - Orientation on day 1



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# GQ Survey – Tuscaloosa

Responses	GQ Year	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
<b>Neurology: Faculty provided effective teaching during the clerkship</b>							
Alabama-Heersink	2022	1.1	2.3	5.7	31.4	59.4	175
Tuscaloosa	2022	0.0	0.0	0.0	20.0	80.0	30
Tuscaloosa	2021	0.0	0.0	0.0	26.1	73.9	23
Tuscaloosa	2020	0.0	0.0	3.8	30.8	65.4	26
Tuscaloosa	2019	2.9	5.7	2.9	25.7	62.9	35
Tuscaloosa	2018	0.0	4.0	16.0	40.0	40.0	25



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



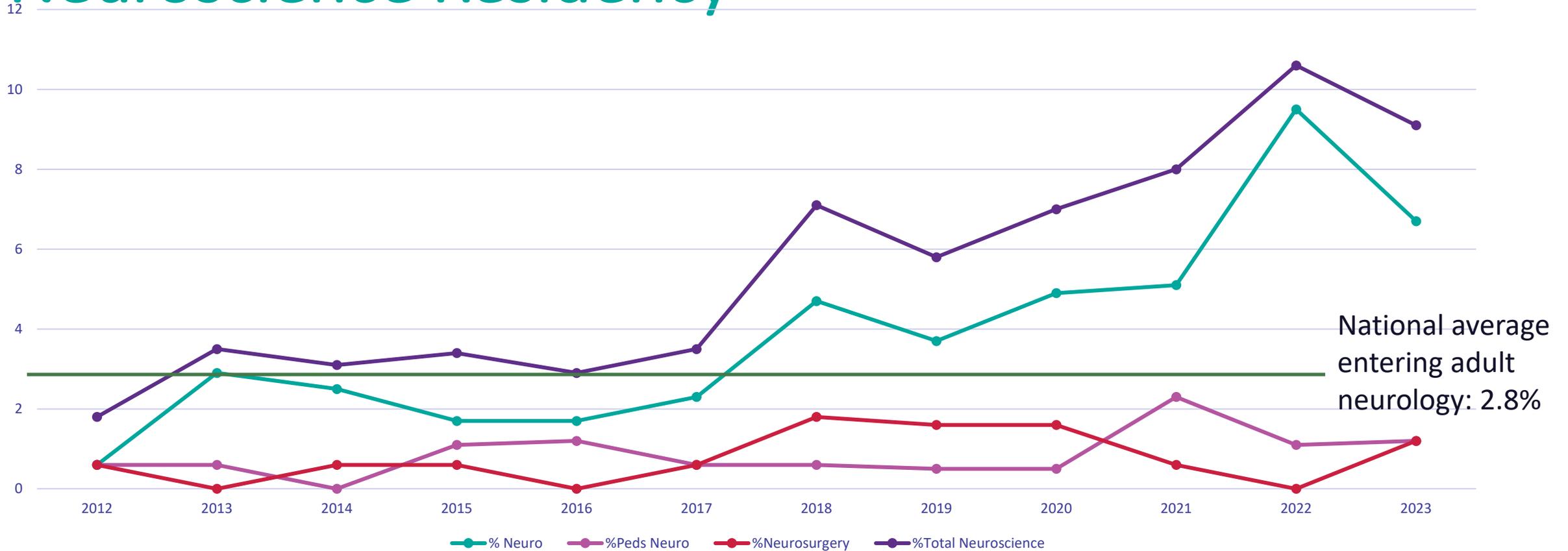
# Neurology 2022 GQ data

## Quality of clerkship

		Poor	fair	Good	Excellent	
Alabama-Heersink	2022	4.0	6.3	30.1	59.7	176
Tuscaloosa	2022	0.0	0.0	36.7	63.3	30
Tuscaloosa	2021	0.0	13.0	17.4	69.6	23
Tuscaloosa	2020	3.8	11.5	38.5	46.2	26
Tuscaloosa	2019	5.6	19.4	19.4	55.6	36
Tuscaloosa	2018	16.0	16.0	40.0	28.0	25
		5.5	15.2	36.8	42.6	



# Recruitment: UAB Grads Entering Neuroscience Residency



Graph courtesy John Rinker



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# UAB Grads Entering Adult Neuro Residency

## Neurology

2012	1
2013	5
2014	4
2015	3
2016	3
2017	4
2018	8
2019	7
2020	9
2021	9
2022	18
2023	11



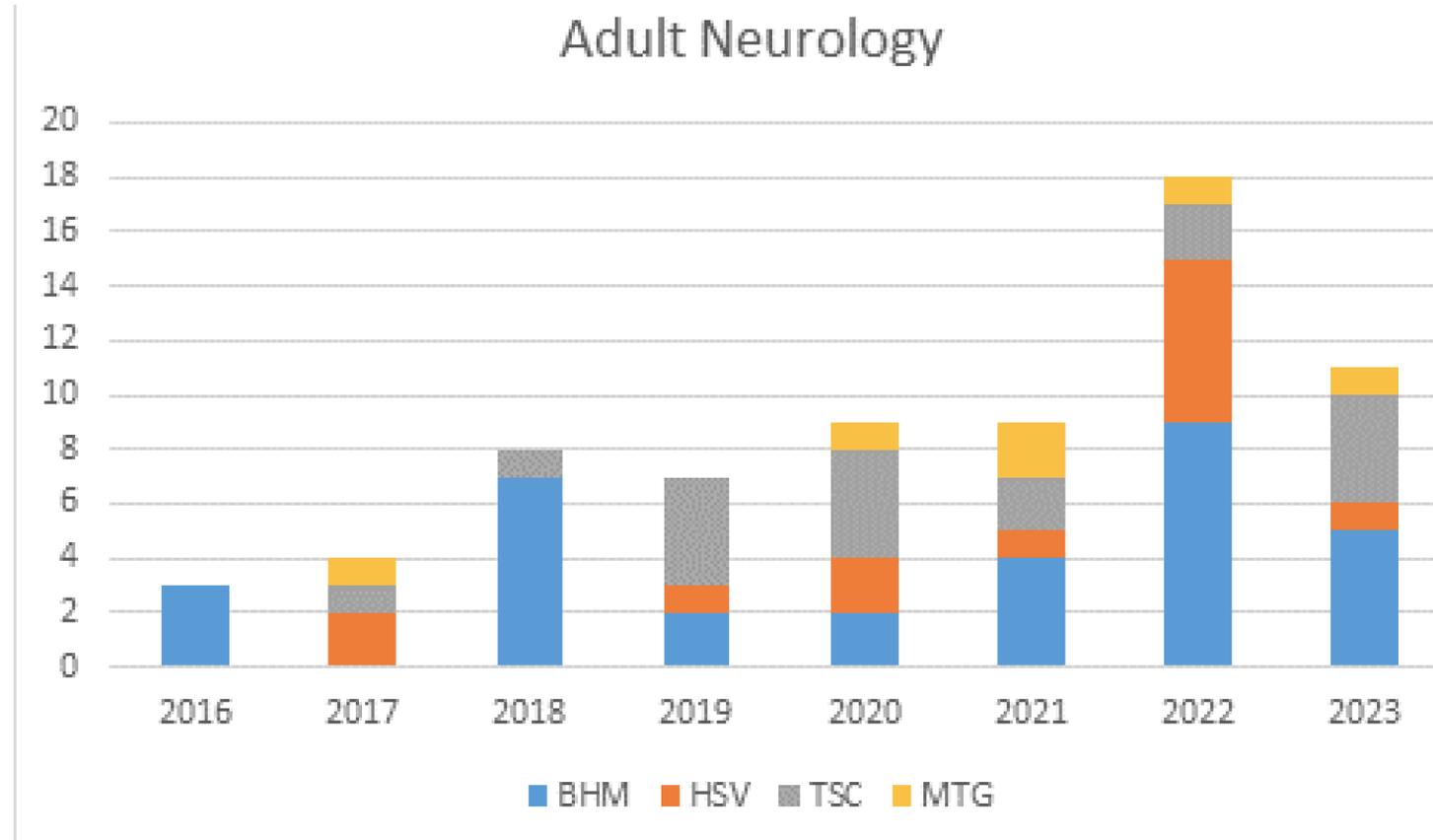
**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# UAB Grads Entering Neurology Residency by Campus



Graph courtesy John Rinker



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Recruitment to Field –Tuscaloosa Campus

## Neurology Matches over time:

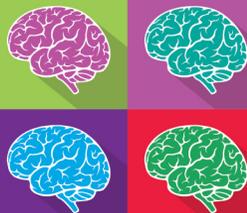
Dates	Timeline	Number of Neurology Matches
1979-Jan 2016	27 years	15
2008-Jan 2016	8 years	6
Jan 2016-Match 2023	7 years	18



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# What Works?



**ANA | 2023**

148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



*Let go of “matching” the main campus*



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Branch Campuses Are Uniquely Poised to Make Students Feel:

## 1. Autonomous



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Orientation and Organization

- Over-Communication of logistics
- Over-Communication of expectations
- Oversimplification of expectations (i.e. do not put the handbook in a PowerPoint)
- Do it in person and email them a copy



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Addressing Why Neurology Matters

- Orientation – explain why Neurology matters
- Emphasize neurologist shortage
- Knowing “why” fosters **autonomy**



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Overstructured = Less Autonomy

- What we cut:
  - Graded history write-ups
  - Basic science presentations
  - Didactics
  - Learning sites were cut



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Branch Campuses Are Uniquely Poised to Make Students Feel:

- 1. Autonomous**
- 2. Competent**



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Student Competence vs. Student Feelings of Competence

- **Address Neurophobia Directly**
  - A feeling of clinical competence is not expected
  - Give them alternative benchmarks for **competence**
  - ***Feelings of competence are the anti-Neurophobia!***



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Feelings of Competence

- Incorporate Outpatient Clinic
  - “Neurology patients never get better”
  - Even “mundane” follow-ups bolster feelings of **competence**
- Dedicated NBME prep
  - Two very brief (10 minute) high-yield review sessions
  - Time off to study



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Branch Campuses Are Uniquely Poised to Make Students Feel:

- 1. Autonomous**
- 2. Competent**
- 3. Connected**



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Student Connectedness

- Feedback!
  - Give so much feedback
  - Give it in real time – make it as specific as possible
  - Ask them for feedback
  - Good feedback fosters **relatedness**



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



# Student Connectedness

- Workplace Culture:
  - FUN
    - This is as simple as role modeling enjoyment in what you do
  - Safety to fail



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



When an M3 clerkship engenders **feelings of competence**, is **autonomy-supportive**, and is **interpersonally connected**, people will develop a greater interest in and (and actual competence) for the specialty



**ANA | 2023**  
148TH ANNUAL MEETING OF THE AMERICAN NEUROLOGICAL ASSOCIATION

PHILADELPHIA, PA  
PHILADELPHIA MARRIOTT DOWNTOWN

SEPTEMBER 9-12, 2023  
OPENING SYMPOSIUM: SEPTEMBER 9, 2023



