



SES094 Specialty Update: Nuclear Medicine

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—2023—
ACGME
—ANNUAL—
EDUCATIONAL
CONFERENCE

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NASHVILLE
TENNESSEE



Conflict of Interest Disclosure

Speaker(s): *Felicia Davis, MHA*

Disclosure

None of the speakers for this educational activity have relevant financial relationship(s) to disclose with ineligible companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

Topics for Today...

- NAS Observations
- ADS
- Program Requirement Changes
- Review Committee Discussions
- Committee Composition



Nuclear Medicine 2022-2023

- 36 accredited programs
- 78/139 (56%) filled/approved resident positions

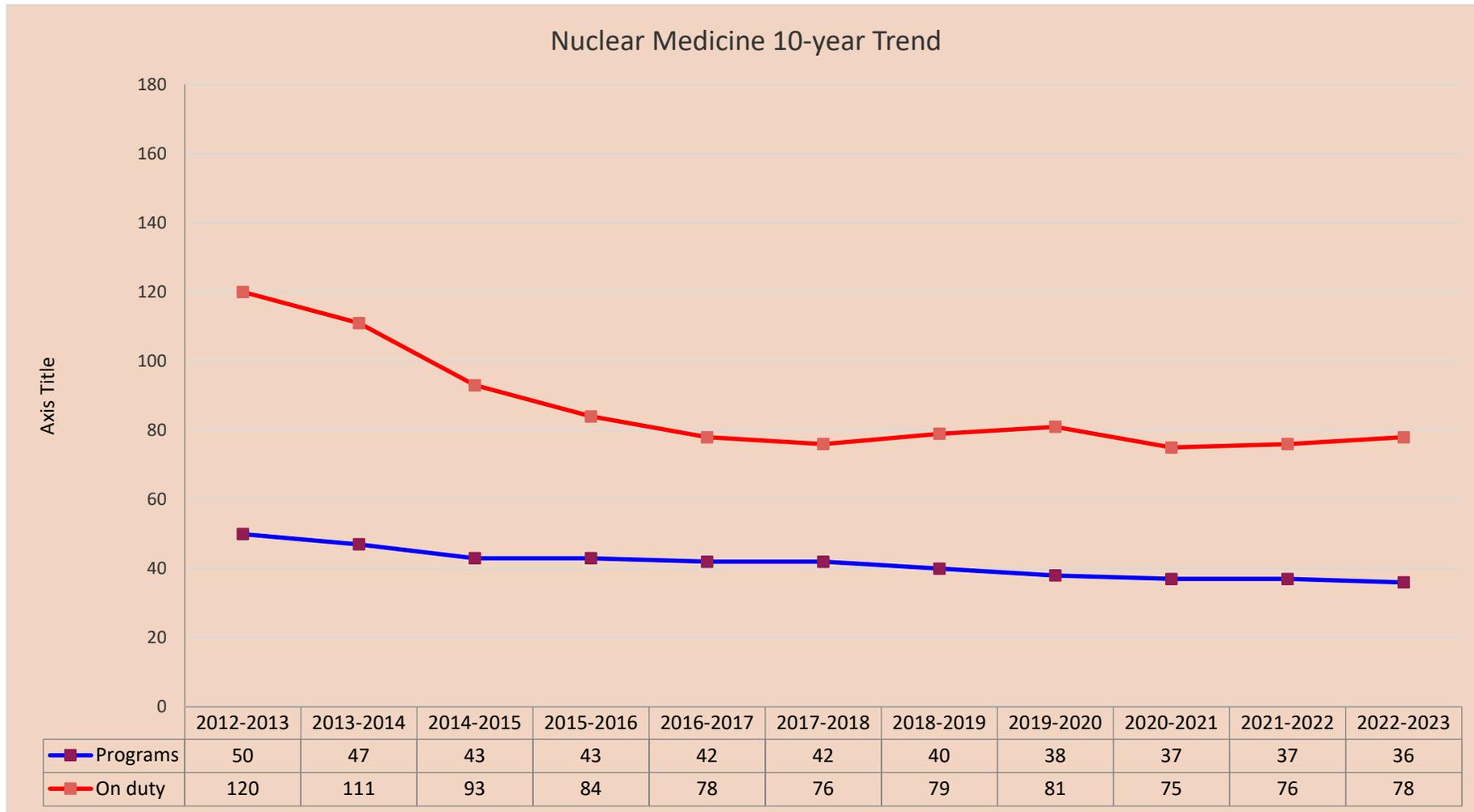


Nuclear Medicine 10-Year Stats

Academic Year	Programs	Residents On duty
2012-2013	50	120
2013-2014	47	111
2014-2015	43	93
2015-2016	43	84
2016-2017	42	78
2017-2018	42	76
2018-2019	40	79
2019-2020	38	81
2020-2021	37	75
2021-2022	37	76
2022-2023	36	78



Nuclear Medicine 10-Year Stats



Top 3 Most Flagged Indicators

1. Clinical Experience (Case Logs)
2. Faculty Survey
3. Resident Survey / Resident Scholarly Activity



NM NAS Review Summary

42% programs	Compliant, no feedback
30% programs	Minor concerns, feedback in the form of AFIs
27% programs	Concerns, feedback either as citations and/or AFIs



Citation vs Area for Improvement (AFI)

Area for Improvement

- Areas noted by the Committee for program improvement before it becomes non-compliant or professional “heads up”
- Does not require formal response back to RC
- Pgm updates in “Major Changes” section of ADS recommended

Citations

- Areas of non-compliance with the requirements
- Requires full program response for Committee Review



Major Changes in ADS

- Major clinical/administrative changes in your program
- Highlight changes implemented to address AFIs
- Highlight program plans to address resident survey deficiencies
- Effects/impact of COVID or other major events



NM Case Logs

- All programs are required to use the ACGME Case Log System.
- Residents must enter **all** specified procedures performed during their residency education into the ACGME case log system regardless of stated minimums.
- Still seeing erroneous or omitted data entry.
- Inaccurate data impedes the Committee's ability to set accurate and realistic future benchmarks for the specialty.



Block Diagram

- Many programs providing inadequate block diagrams
- Not representative of a 3-year curriculum
- NM is a three-year specialty. This should be reflected on the block diagram.
- *Even programs with recruiting practices that only consider NM2 or NM3 residents*



Block Diagram

- Block diagram should be free of individual resident names or identifiers
- If abbreviations are used for rotations or site names, a Key must be provided
- Block diagram guide posted on Committee's webpage





Accreditation Council for Graduate Medical Education

LOG INTO

Accreditation Data System (ADS)

ACGME Surveys

Case Log System

Institution and Program Finder

What We Do

Designated Institutional Officials

Program Directors and Coordinators

Residents and Fellows

Meetings and Educational Activities

Data Collection Systems

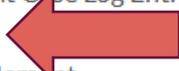
Specialties

ACGME Home > Specialties > Nuclear Medicine

Nuclear Medicine

Documents

-  [Call for Resident Member Nominations](#)
-  [Guidelines for Nuclear Medicine Resident Case Log Entry](#)
-  [Nuclear Medicine Block Diagram Guide](#)
-  [Requests for Changes in Resident Complement](#)



Common Resources

This page contains links that are common across all specialty pages.

[Resident/Fellow Survey-Common Program Requirements Crosswalk](#)



[Faculty Survey-Common Program Requirements Crosswalk](#)



[Program Directors' Guide to the Common Program Requirements](#)



[ACGME Glossary of Terms](#)



[ACGME Review Committee 2019 Faculty Scholarly Activity Decisions](#)



[ACGME Review Committee 2019 Eligibility Decisions](#)



Overview



Program Requirements and FAQs and Applications



Milestones



Documents and Resources



Review Committee Members



Contact Us:

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#ACGME2023

Block Diagram Example



NM-1 (PGY-2) Rotation Block Diagram (13 x 4-week blocks)

Block	1	2	3	4	5	6	7	8	9	10	11	12	13
Site	1	2	1	2	3	1	2	2	1	1	2	2	1
Rotation Name	Radio-pharmacy/ <u>Nuc Med</u>	General <u>Nuc Med</u>	General <u>Nuc Med</u>	General <u>Nuc Med</u>	Pediatric <u>Nuc Med</u>	General <u>Nuc Med</u>	General <u>Nuc Med</u>	CT	PET/C T	General <u>Nuc Med</u>	Research	General <u>Nuc Med</u>	General <u>Nuc Med</u>

NM-2 (PGY-3) Rotation Block Diagram (13 x 4-week blocks)

Block	1	2	3	4	5	6	7	8	9	10	11	12	13
Site	2	2	3	1	1	2	2	2	1	3	1	1	2
Rotation Name	CT	General <u>Nuc Med</u>	Pediatric <u>Nuc Med</u>	PET/CT	General <u>Nuc Med</u>	Research	CT	General <u>Nuc Med</u>	PET/C T	Pediatric <u>Nuc Med</u>	Elective	General <u>Nuc Med</u>	CT

NM-3 (PGY-4) Rotation Block Diagram (13 x 4-week blocks)

Block	1	2	3	4	5	6	7	8	9	10	11	12	13
Site	1	1	1	2	2	2	1	1	2	3	2	1	2
Rotation Name	PET/CT	Radiation Oncology	MRI	General <u>Nuc Med</u>	Research	CT	PET/CT	General <u>Nuc Med</u>	CT	Pediatric <u>Nuc Med</u>	General <u>Nuc Med</u>	PET/CT	General <u>Nuc Med</u>

Sites: (1) University of XXXXXXXX (Primary), (2) XXXXXXXX VA Hospital, (3) XXXXXXXX Children's Hospital

Available Electives: (both at Site 1): Medical Oncology, Cardiology — most residents elect to do 2 weeks in each.

Vacation: Scheduled by the resident with program director consent. No more than 2 weeks may be taken off during any 4-week block.

NM Year ADS Consideration

Entering resident has:	Resident status in ADS
≤ 12 months of training remaining	= NM3 (or year in program 3)
Between 24 and 12 months of training remaining	= NM2 (or year in program 2)
Between 36 and 24 months of training remaining	= NM1 (or year in program 1)





EXAMPLE

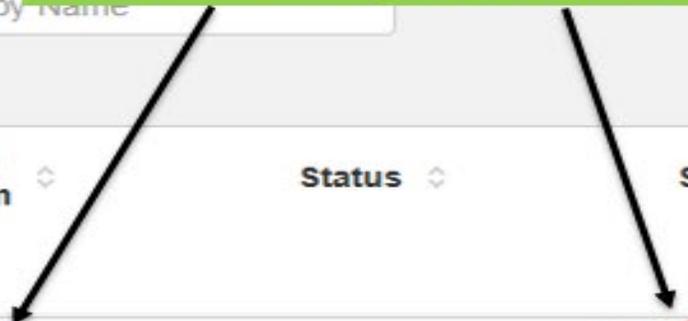
Resident Case Log User Instructions

2011 - 2012 ▾ + Add Resident

-- Filter by Type -- ▾ Search by Name Print

Last ▾	First ▾	Year in Program ▾	Status ▾	Start ▾	End ▾	
		2	Completed All Accredited ...	7/1/2011	6/30/2012	

Resident length of training was 1yr, Year In Program should be 3



Review Committee Discussions



ABNM Proposal/Adjustment



Nuclear Medicine PRs

- 30 oral admin of I-131 [(IV.C.7.d).(1).(a).(i)]
 - 10 malignant cases
 - 10 benign cases
- 5 cases of parenteral therapies [(IV.C.7.d).(1).(a).(ii)]

ABNM Provisional Requirements

	Current	Provisional
I-131 <33 mCi benign	10-15	5+
I-131 >33 mCi malignant	10-15	5+
Parenteral	5	10+*
Total Therapies	35	35

*At least 2 different FDA approved radiopharmaceuticals excluding Y90 Microspheres

RC-NM Response

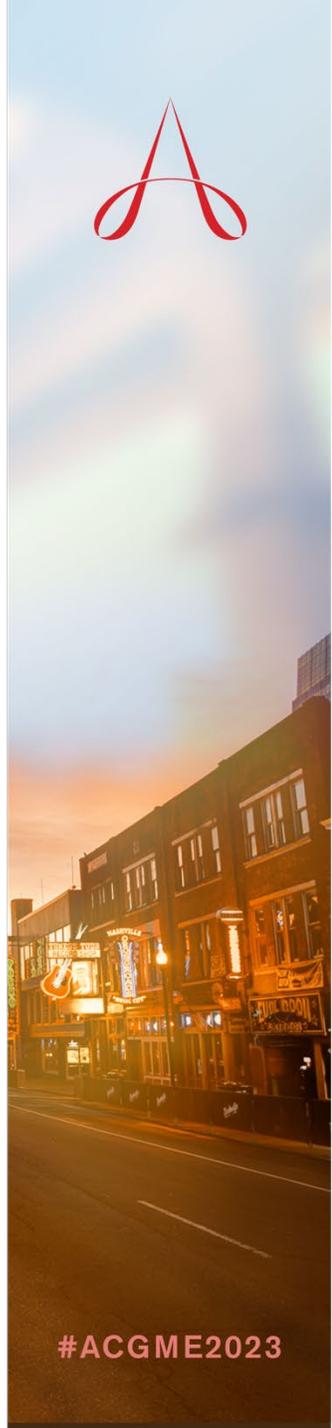
ACGME Communication Feb 2021

The ABNM has instituted multiple pathways to meet the requirements for radiotherapy experience, the NM RRC would not find a program in non-compliance with the requirements as long as their trainees met one of those pathways.



ABNM Programs and ABR 16-Month Pathway

- ABNM/ABR 16-month pathway:
 - **ACGME accredited** NM or Nuclear Radiology program required
 - NM training completed during 4-year DR training
 - Must complete NM case experience requirements
 - Leads to dual certification eligibility from ABR in Diagnostic Radiology and ABNM in Nuclear Medicine



NR Programs and ABR 16-month Pathway

- ABR 16-month pathway:
 - **ACGME Accredited** NM or NR program not required
 - NM training completed during 4-year DR training
 - Leads to dual certification eligibility in ABR Diagnostic Radiology and Nuclear Radiology
 - Not *ABNM* eligible based on number of NM rotations



NM Program Participation Tracking

- ADS question for all nuclear medicine programs to help the Review Committee track program participation.
- **Question:** Does your program participate in DR training pathways that lead to ABNM and/or ABR nuclear radiology certification eligibility (i.e. 16 mos NM in 4yr DR pathway)? Y/N”
- If yes, how many residents are participating this year?
- Currently -
 - 22/36 NM programs participating
 - Total of 33 residents



Review Committee for Nuclear Medicine Composition

- 3 nominating organizations - **ABNM, SNMMI, and AMA**
- 8 voting members (includes one resident and one public member)
- 6 year terms -- except resident (2 years)
- Program Directors, Chairs, Faculty
- Ex-officio from ABNM (non-voting)





Nuclear Medicine RC Members 2022-2023

Delphine Chen, MD

Lance Hall, MD - *Chair*

Andrei Iagaru, MD

Ruth Lim, MD

Joyce Mhlanga, MD

Miguel Pampaloni, MD, PhD – *Vice Chair*

Peter Temsah, MD – Resident Member

Jaime Warren, MBA – Public Member

Nuclear Medicine RC Staff

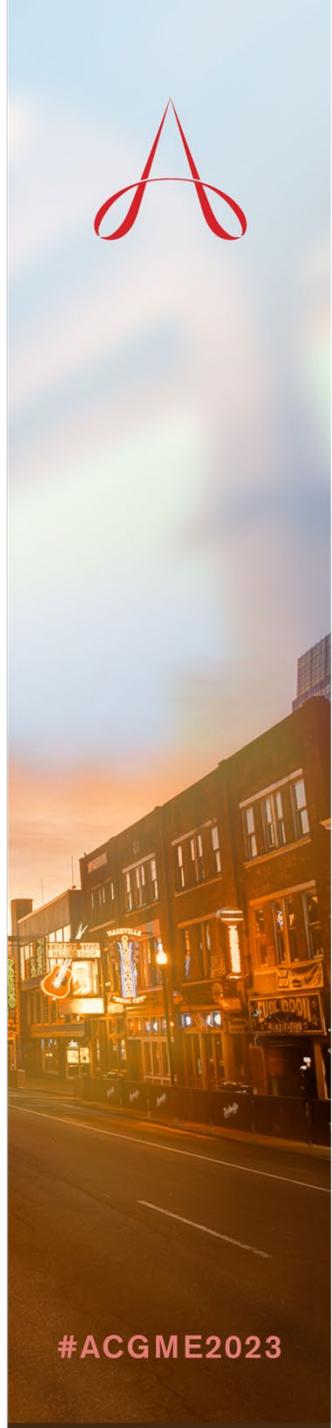
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Bianca Andino – *Accreditation Administrator*
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ACGME Updates





These self-directed curricula provide the fundamentals of DEI and will enable participants to move through progressively more complex concepts.

The History of Race in Medicine
From Enlightenment to Flexner

ACGME EQUITYMATTERS

ACGME EQUITYMATTERS™

- Trauma-Responsive Cultures
- Steps Leaders Can Take to Increase Diversity, Enhance Inclusion, and Achieve Equity
- Naming Racism and Moving to Action Part
- Women in Medicine
- Exposing Inequities and Operationalizing Racial Justice
- Patient Safety, Value, and Healthcare Equity: Measurement Matters
- American Indian and Alaskan Natives in Medicine
- *And many more!*

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at **ACGME**



Distance Learning



Faculty Development Courses

- Foundations of Competency-Based Medical Education
- Managing your Clinical Competency Committee
- Multi-Source Feedback



Live Event

Program Director Well-Being



An ACGME listening session focused on creating a space for program directors to share experiences and hear from peers regarding issues related to program director well-being .

Join the event for an open discussion of challenges faced by program directors and potential solutions.

[https://dl.acgme.org/pages/well-being-tools-](https://dl.acgme.org/pages/well-being-tools-resources)

[resources](https://dl.acgme.org/pages/well-being-tools-resources)

✓ April 11, 2023

✓ Registration required





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Register/un-register sessions in the mobile app.

Deadline – March 24, 2023

Questions? cme@acgme.org

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Thank You

