

UNC Department of Radiology Global Health Leadership Pathway with RAD-AID Certification in Global Health Radiology

Background

The UNC RAD-AID Chapter was founded in 2012 by the UNC School of Medicine's Division of Radiologic Science and the Department of Radiology. Currently, UNC Global Radiology supports established, [longitudinal programs](#) in Kenya, Malawi, and North Carolina. Most residents will complete the GHLP in these locations. If a resident has a well-supported and strong case for involvement in another location and if UNC GME supervision requirements can be completed for that location, then the Director of UNC Global Radiology will discuss with departmental leadership and program directors on a case-by-case basis.

This document outlines the UNC Department of Radiology's Global Health Leadership Pathway for Radiology Residents. UNC Radiology Residents participating in these learning opportunities contribute within established partnerships for a sustainable impact and receive mentorship on best practices.

Primary Contact

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Tiers – UNC Department of Radiology Global Health Leadership Pathway

The UNC Department of Radiology Global Health Leadership Pathway (GHLP) has two tiers:

- 1) The GHLP with RAD-AID Certification in Global Health Radiology a) is outlined on the following pages and b) includes an **international elective** for DR and IR residents on the pathway.
- 2) There are additional requirements for the GHLP with RAD-AID Certification in Global Health Radiology and **with an international elective spanning more than one full block.**

To obtain a UNC Radiology GHLP with International Electives spanning more than one full block:

_____ Requirement for creation of a scholarly activity, such as poster abstract submission, manuscript publication, or oral conference presentation

_____ Only DR residents completing this additional publication work will be eligible to be considered for an international elective spanning more than one block

Admission Requirements

Initial Eligibility and Participation

To participate in the Global Health Leadership Pathway (GHLP), residents must:

- 1) complete GHLP application process (description on next page)
- 2) be in good academic standing (without remediation) per residency education program metrics
 - a. For core radiology clinical and educational competencies *and*
 - b. For GHLP annual evaluation metrics documenting pathway milestone completion
- 3) be in compliance with behavior and professionalism health system policies in order to maintain GHLP acceptance status
- 4) complete GHLP requirements to remain in the pathway
 - a. GHLP residents are required to have annual meetings with mentoring faculty to discuss progress and to document completion of requirements.
 - b. The GHLP is evaluated with relevant AC-GME milestones.
 - c. If a resident has documented, continued noncompliance with GHLP requirements, then the UNC Department of Radiology can remove the resident from the GHLP.
- 5) complete UNC School of Medicine Office of Global Health Education travel requirements
- 6) complete UNC GME Office International Elective requirements, including
 - a. Supervision agreement with partner institution
 - i. Supervision of radiologist on-site
 - ii. Supervision of UNC attendings through VPN and image sharing
 - b. Special Project Professional Liability Form
 - c. Voluntary Participation and Assumption of Risk Agreement
- 7) read and understand the international elective in which they are participating
- 8) agree to complete educational objectives while on-site that contribute to progress in Radiology Readiness progression for sustainable human capacity development per context of location

Admissions Process

In January of R1 year, residents should declare an interest in the UNC Global Health Leadership Pathway.

Admissions Caps

A maximum of four diagnostic radiology residents and a maximum of two interventional radiology residents (integrated and intended ESIR) will be accepted into the UNC GHLP.

- 1) DR elective travel will occur during PGY-5 year in blocks July/Aug, Aug/Sept, Sept/Oct, and Oct/Nov.
- 2) IR elective travel (two weeks) will occur during PGY-5 or PGY-6 year depending on the UNC VIR and University of Nairobi schedules.
- 3) GHLP residents receive preference on international elective scheduling.

Admissions Timeline and Action Items

A personal statement must be submitted to the UNC Director of Global Radiology by 31 January of R1 year.

The statement should discuss 1) why the resident would like to be part of the GHLP and 2) how the resident intends to apply this training certification in their career longitudinally.

The Director will blind the statements, and they will be evaluated with no identification by the other UNC Global Radiology faculty.

Once the UNC Global Radiology faculty accept the resident's application, then the Director will have the resident's academic status reviewed by the program directors and the education liaisons to ensure good standing using objective program metrics.

The Director will aim to convey acceptance status by 30 April of R1 year.

Radiology Year 1 (PGY-2) Checklist

_____ August-September: Orientation session to introduce the Malawi and Kenya programs and to help identify residents interested in Global Health Leadership Pathway

_____ Submit essay application to the Director of Global Radiology by 31 January

Related Radiology Clinical Education

_____ Introduction to ultrasound lecture series (*already part of 1st year lecture series*)

_____ Ultrasound passport: Details that residents have observed, performed with supervision and demonstrated capability in basic sonographic examinations (*already part of 1st year curriculum*)

_____ Ultrasound simulation lab: Adult and pediatric (*already part of 1st year curriculum*)

Global Health Curriculum

_____ Attend quarterly global health journal club

_____ Attend quarterly global health noon conference (endemic pathologies, case reviews, global health methodology, etc)

_____ Attend relevant [UNC SOM Office of Global Health Education Forum](#)

Mentorship

_____ Annual meeting with Director of UNC Global Radiology to review progress and goals

_____ Annual meeting with relevant global health site director

Radiology Year 2 (PGY-3) Checklist

Related Radiology Clinical Education

_____ Dedicated time in echocardiography

_____ Dedicated ultrasound pediatric scanning lab

_____ Dedicated ultrasound FASH and FAST lectures and simulation lab

Global Health Curriculum

_____ Choose a 6-month period to enroll in and to complete the RAD-AID Certificate of Proficiency in Global Health Radiology

- The RAD-AID Certificate of Proficiency in Global Health Radiology is scheduled April – October of each calendar year.
- Completion of this coursework at the end of R2 academic year (April) through the beginning of R3 year (October) is ideal.

_____ Attend quarterly global health journal club

_____ Attend quarterly global health noon conference (endemic pathologies, case reviews, global health methodology, etc)

_____ Attend relevant [UNC SOM Office of Global Health Education Forum](#)

Mentorship

_____ Annual meeting with Director of UNC Global Radiology to review progress and goals

_____ Annual meeting with relevant global health site director

Radiology Year 3 (PGY-4) Checklist

Related Radiology Clinical Education

- _____ Dedicated time in echocardiography, continued
- _____ Dedicated ultrasound pediatric scanning lab, continued
- _____ Dedicated ultrasound FASH and FAST lectures and simulation lab, continued

Global Health Curriculum

- _____ Attend quarterly global health journal club
- _____ Attend quarterly global health noon conference (endemic pathologies, case reviews, global health methodology, etc)
- _____ Attend relevant [UNC SOM Office of Global Health Education Forum](#)

Mentorship

- _____ Annual meeting with Director of UNC Global Radiology to review progress and goals
- _____ Site visit preparation with guidance from Director of UNC Global Radiology
 - 1) UNC Office of Global Health Education Requirements
 - 2) UNC GME Requirements
 - 3) Medical License
 - 4) UNC OGHE Scholarship application
- _____ Annual meeting with relevant global health site director
- _____ Project design for education to deliver in preparation for site visit

Radiology Years 4 and 5 (PGY-5 and PGY-6) Checklist

Global Health Curriculum

_____ Attend quarterly global health journal club

_____ Attend quarterly global health noon conference (endemic pathologies, case reviews, global health methodology, etc)

_____ Attend relevant [UNC SOM Office of Global Health Education Forum](#)

_____ Site visit (standard GHLP is one block elective for Malawi, two-week electives for Kenya)

- 1) Deliver at least three lectures to radiology personnel in Malawi or Kenya
- 2) Record case log
- 3) Provide additional lectures to medical students or clinicians from other services
- 4) Assemble one - two case-based lectures to use in didactic sessions

_____ Presentation of work during one of the quarterly global health noon conferences after return

Mentorship

_____ Annual meeting with Director of UNC Global Radiology to prep and debrief

_____ Annual meeting with relevant global health site director

6 May 2020 – Initial Education Committee Acceptance Date

26 February 2021; 18 November 2020 – Review and Editorial Revisions

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