

Global Health Radiology Remote Elective
Edited February 2024

DESCRIPTION

This is a remote radiology global health elective, which means that international service, teaching, and volunteering will be performed remotely while still on the UW Health campus or from home. There is no travel component of this rotation.

Dr. Michael Hartung in Abdominal Imaging has a longstanding (6+ year) volunteer affiliation with two charity teaching hospitals. The first is called Tenwek Hospital in Bomet Kenya, and the second is called Diospi Suyana in Curahausi Peru. Both have religious affiliations with the Christian tradition and staffing support by both national employees and missionary/volunteer staff. Tenwek Hospital is a highly regarded teaching and referral center with many specialty training programs in Kenya, and is currently constructing the only dedicated cardiothoracic hospital in Sub Saharan Africa. Diospi Suyana cares for a smaller, rural population, but still they have some teaching roles with visiting international students and residents (mainly from Europe).

Currently, these hospitals have their CT scans read by either remote or on-site volunteer radiologists. There is a large group of nearly 60 radiologists covering Tenwek, and a smaller group of 10 covering Diospi Suyana. The remote workflow involves reviewing studies using a teleradiology PACS (Stratus) and creating and signing/uploading reports using Powerscribe One. Tenwek scans about 7000 CTs per year, and Diospi Suyana about 1000.

ROLES AND RESPONSIBILITIES

The resident involved in this remote elective will spend Monday-Friday of the elective week reading all studies from both hospitals and staffing them remotely with the UW Global Health faculty throughout the day. This will be between 20-40 CTs, but the volume can be split between two people. Because of the complexity and high-volume work, this elective is only appropriate for 4th year residents who have an interest in global health.

I propose two daily blocks of reading/coverage to account for the time zone differences and clinical needs of the hospitals, though these times can be somewhat flexible with reading during the day.

- 7AM-12 PM Tenwek Studies
- Check throughout the day for new studies
- 6-9PM Finalize all Diospi and Tenwek studies

EQUIPMENT

If you have a personal PC you can easily access the web-based PACS and Powerscribe One. If you have a Mac, you can access the web-based PACS and use a free 2-week trial of Parallels to run Powerscribe One. Alternatively, we can arrange for a department-issued laptop to be used for the elective as well.

LEARNING OBJECTIVES

- read all of the onboarding and educational material here:
<https://www.learnabdominal.com/resources/global-health>
- identify the different ordering patterns, presentations, and diseases in each unique healthcare environment, comparing and contrasting to your experience at UW Hospital
- prepare an interesting case conference for your fellow residents to share as a deliverable
- there are opportunities to present basic lectures to Kenyan residents if of interest (optional)