

JUNE-JULY, 2018

RADIOLOGY ROTATION REPORT

 **NewYork-
Presbyterian**



COLUMBIA UNIVERSITY
MEDICAL CENTER



The Brooklyn Hospital Center

Keeping Brooklyn Healthy

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1. INTRODUCTION

The AMHE, *Association des Médecins Haïtiens vivant à l'Étranger*, is the association of Haitian physicians living abroad. It was founded in August 1972, by a group of Haitian physicians determined to mark their presence as a growing ethnic entity in America, to foster professional alliances, and to promote the health and interest of the Haitian immigrant community at large.

The AMHE Foundation is the philanthropic arm of the association and therefore financially support many of their projects. Among these projects is the AMHE Post Graduate Program that aim to push forward the objective of helping Haitian scholars build a foundation for the advancement of medical education. The AMHE partners with SIMACT, to execute the program.

The program supports and arrange the visit of Haitian physicians enrolled in residency in Haiti to several New-York based hospitals, through its members affiliation, for an immersion in the practice of medicine in the United States.

I am enrolled in the Radiology residency program at Hôpital de l'Université d'Etat d'Haïti (HUEH) and serve as the chief resident. I was selected by the program director Dr Georges Michel and the coordinator of graduate education at HUEH, Dr Sosthene Pierre, to be one of the participants.

It was arranged through Dr Ernst Garcon, AMHE member, neuroradiologist and associate professor at New York Presbyterian (NYP) – Columbia University Medical Center (CUMC), for the bulk of my rotation to happen at the New-York Presbyterian.

I was also allowed to rotate at The Brooklyn Hospital Center (TBHC), thanks to their longstanding agreement with the AMHE.

Following is a summary of my work during the months of June and July 2018.

2. OBJECTIVES

The objectives I set for myself at the beginning of the rotation were:

- To familiarize with the reading of cross sectional imaging
- To learn how to produce precise and effective reports that facilitate clinical decision making
- To gain knowledge and insights that can be transferred to improve my residency program

3. DESCRIPTION OF THE ROTATION

A. New-York Presbyterian – Columbia University Medical Center

Rotations

My 8 weeks were split into dedicated time in the neuroradiology, breast imaging and body departments. I typically worked alongside residents of different levels and fellows to read and discuss their assigned cases of the day. This is usually followed by read-out sessions with the attendings. I also had the opportunity of working directly with attendings for one-and-one teaching sessions. Following is a break down of the different rotations.

Neuroradiology

From June 4th to 14th, 2018

Modalities: Head CT, CTA, brain MRI, MRA, spine CT and MRI

Procedure: CT guided spine biopsy

Highlights: this rotation was a great immersion in neuroradiology. Besides improving my ability in interpreting brain CT, I learned how to read brain MRI, how to approach spine MRI and how to diagnose and follow brain masses

Breast imaging

From June 18th to 22nd, 2018

Modalities: Screening and diagnostic mammograms, breast ultrasounds and breast MRI

Procedure: Ultrasound guided breast and lymph node biopsy plus marker placement

Highlights: I familiarized with the reading of mammograms and the overall management of breast lesions.

Body imaging

From June 25th to July 13th, 2018

Modalities: body CT, body MRI, Ultrasound, Fluoroscopy

Procedures: CT colonoscopy, fluoroscopy

Highlights: I started this rotation with exposure on cardiac imaging and saw cases of ultrasound, body MRI and chest CT. I, then, spent two full weeks in body CT learning how to best read the abdomen and pelvis studies and more particularly how to tackle cases involving the GI tract and approach lesions of the kidneys.

□ **The Allen Hospital**

From July 16th to 27th, 2018

The Allen Hospital is a Columbia affiliated institution situated remotely from the main campus. It is a smaller facility where almost all type of studies (neuroradiology, body, chest and musculoskeletal) are read in a single reading room.

Highlights: This rotation had the feel of general radiology as practiced in a community hospital with the advantage of having body and neuroradiology specialists on site. Among other learning benefits, I got to hone my approach to pulmonary lung nodules and further familiarize with the reading and interpretation of body and spine cases.

Conferences

I attended the daily morning and noon conference for all the residents. During the month of June, most presentations were on the general topic of emergency radiology. In July, the conferences were geared towards the incoming first year residents and consisted mostly of introductory series on pediatric, body and neuroradiology lectures. Additionally, the body department holds every day, right before the 12:30 conference, a short case presentation which I also attended while on that rotation.

B. The Brooklyn Hospital Center

Rotation

During the month of June, I benefitted from four (4) one-and-one teaching sessions with body radiologists at The Brooklyn Hospital.

Modalities: ultrasound and body CT

Highlights: I was given cases and received tailored feedback on my approach and thought process.

Conferences

Once every two weeks, a small committee from the AMHE gathered at the Brooklyn hospital for a check in session and academic presentations from the residents in rotations. The four presentations I gave were on the following subjects:

- The imaging of the breast – June 18th, 2018
- Neonatal intestinal obstruction – June 27th, 2018
- Appendicitis and its mimics – July 11th, 2018
- Renal masses – July 25th, 2018

The fellow Haitian residents whom rotations (pediatrics and family medicine) coincided with mine presented the following topics:

- Jaundice in the newborn
- Esophageal atresia
- Health maintenance in adult female

4. SUMMARY

The rotation was a very fulfilling learning experience. Over the course of these two months, I have gotten more accustomed to cross sectional images which I have had limited exposure to as resident in Haiti. I gained confidence in reading and interpreting CT across several subspecialties and acquired a solid knowledge base to build on to improve personal skills but also to share with co-residents home. During my stay, I got valuable insights into the practice of radiology as it is done in two different institutions and was inspired to implement practical changes into my own program.

5. ACKNOWLEDGEMENTS

I am grateful for this learning opportunity and therefore want to acknowledge everyone who contributed to make it possible.

Thank you to Dr Georges Michel, radiology program director and Dr Sosthene Pierre, coordinator of graduate education at the State University Hospital in Haiti (HUEH).

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Thank you to The Brooklyn Hospital Center for allowing me to visit.

Thank you to the chairman of radiology, Dr Buchbinder. Special thanks to the vice-chair, Dr Fuksbrumer from whom I directly learned a lot and body radiologist, Dr Lee who graciously dedicated his time to work with me.