

Anesthesia Rotation Report



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Anesthesia Resident (HUEH),
Dec 1st 2015 – March 1st 2016

Outline



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1-Introduction

Founded in August 1972 by a group of Haitian physicians determined to mark their presence as a growing ethnic entity in America, The *Association of Haitian Physicians Abroad* (AMHE) and *SImACT* (*Société immobilière d'agriculture, de commerce et de tourisme*) give opportunity to Haitian Residents at HUEH and Justinien Hospital to rotate at hospitals in the United States such as Brooklyn Hospital Center. This rotation exposes the residents to a variety modalities diagnostic and therapeutic, patient care and practice of medicine in the United States.

My name is Stephanie Lubin; I am a third year Anesthesiology resident at the State University Hospital of HAITI (**HUEH**). I spent 3 months at Brooklyn Hospital Center rotating through different subspecialties of Anesthesia. These experiences increase my understanding of the appropriate use of anesthesia modalities (glydescope, selective intubation, LMA).

The externship was for twelve weeks (12) at *The Brooklyn Hospital Center* (121 DeKalb Avenue, Brooklyn, NY 11201) located in the heart of Brooklyn, hospital had been involved for decades in the training of residents and fellow.

2-ELIGIBILITY

For each cohort, the physician in charge of academic affair for the residents and the Medical student at HUEH determines which department will be involved. The various departments of the hospital find the opportunity to have a resident to receive this award. The Training Officer of the designated department(s) introduces a resident. To be eligible the resident must:

- Be in third or fourth year;
- The best Academic profile (Grade, Behavior, Skills)
- Have an advanced level in English
- A visa and a passport allowing him to legally enter the United States;
- Be able to cover the costs of transportation

3-Timing

December 2015 (8h00 AM- 4h00PM)

- Operating room
- Recovery room
- Day surgery

Learning:

- ✓ Familiarization with the medical system
- ✓ Patient's evaluation pre op and post op
- ✓ Prevention of hypothermia
- ✓ Knowledge more anesthesia techniques
- ✓ The speed of the management of emergencies, due to good coordination team (doctors, nurses, technicians) and everyone knows his role and performs it in time with compassion.

Janvier 2016 (9h00 AM – 4h00PM)

- Endoscopie
- Cystoscopy
- Respiratory Care (Emergency/ MCIU/PCIU)

Learning:

- ✓ Sedation/ AIVOC
- ✓ Mechanical ventilation
- ✓ Participation at the pediatric and surgical round

Février 2016 (7h00 AM – 5h00PM)

- Neurosurgery
- Cardio Thoracic surgery
- ENT
- OBGYN

Learning :

- ✓ Management of labor pain
- ✓ Different anesthesia 's position
- ✓ Cardiac anesthesia
- ✓ Using of video bronchoscope
- ✓ Nasal intubation
- ✓ Anesthesia's management of laparoscopic surgery



Hypothermia Prevention

Infusion Pump (AIVOC)



Position for lumbar surgery



Rapid intra operative lab test



4- Academic Activities

A) Cases observed in anesthesiology department rotation:

- Hernia repair (laparoscopic/ laparotomy)
- Minimal surgery (débridement/ excision/ biopsie, curetage)
- Mastectomy
- Circumcision
- Parotidectomie
- Myomectomy (laparoscopic/ laparotomy)
- Cholécystectomy (laparoscopic)
- Colectomy
- Colostomy
- TURP/ATV
- Amygdalectomy/ adénoïdectomy
- Myringotomy
- Cystoscopy /Endoscopy
- Labor analgesia
- Cesarian section
- Knee and hype replacement
- Breast reduction
- Thyroïdectomy
- Hysterectomy(laparoscopie /laparotomie)

- Lumbar decompression
- Cervical laminectomy
- Odonectomy
- Pacemaker battery replacement
- Video assisted thoracoscopy

B) Techniques:

- General mask anesthesia
- LMA insertion
- Conscious sedation
- Selective bronchial intubation with double lumen tube (New)
- Use of Fibre-Optic Bronchoscope (New)
- Use Glidescope Videolaryngoscope
- Intrarterial catheterization BP monitoring (New)
- Patient warming with Bair Hugger (New)
- Review of mechanical ventilation (General Anesthesia)

C) Bi-weekly presentations with Dr.Paul NACIER ,Dr. Patrick LEBLANC and Dr. Louisdon PIERRE:

- Bronchospasme
- Awareness in Anesthesia

- Management of post Dural puncture headache
- Anesthesia's complications
- Difficult intubation

D) Presentations of other residents:

- Sickle cells
- Arrhythmia in pediatric
- Management of diabetes in neonatology
- Jaundice 's diagnosis
- Ductus arteriosus

E) Laboratory:

- Central line (Dr Pierre)
- CPR for the newborn(Dr Leblanc)

5-Comments and suggestions:

This observeship program has been very profitable to me. It was a great opportunity for my professional growth and increases my knowledge in a field that I am deeply passionate about. It allowed me to work a longside other anesthetists (physicians-nurses and technicians), I could observe their anesthetic management of various cases and I also had the opportunity to view for the first time the utilization of selective bronchial intubation with double lumen tube and Fibre-Optic Bronchoscope ,lumbar surgery and bariatric surgery .I hope that this program will carry on so that residents from Haiti will always benefit from it and use the practical skills and knowledge they'll acquire to optimize and improve their practice in Haiti. However some improvements may be necessary in order to make this program a little bit more adapted and beneficial for the recipient:

- ✓ The resident must be notified of his selection at least 1 month before of the start of his externship for better preparation.
- ✓ Extend this observership to more than 2 Anesthesia residents per year.
- ✓ It will be very helpful for all the anesthesia residents to participate in this rotation to pass at least 1 month, if possible, at a trauma center or in the hospital which has a anesthesia residency

6-Special Thanks:

- First, I want to thank GOD.
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- Dr. Jean-Claude Cadet the dean of the School of Medicine FMPEBM/UEH.
- Dr. Sosthène PIERRE, Responsible of the 3rd Cycle FMPEBM/UEH.
- Dr Yolaine Edouard Jean Pierre Academic Responsible, Substitute head department of Anesthesiology Department of HUEH

- Other residents (roommate) during this rotation: Dr. Judette DESIRE and Nathalie Raphael
- A special thanks to my family and my friends(Jose –Mary, Julien, Stephanie, Kethnelle, Ralph, Gerarde, Fernande)

