Externship report

Brooklyn Hospital center and interfaith medical center

Brooklyn New-York

From april 20th to july 17th

LOUIS Leenmy

Third year resident anesthesiology department

HopitaluniversitaireJustinien
Introduction

The Association of Haitian Physicians Abroad (AMHE) ran a post graduate program in the US for Haitian Residents at HUEH since 2007 and extended to Justinien Hospital, 2010. The program consists of training the residents of the State University Hospital of Haiti and bring them back to Port-au-Prince or Cap-Haitien just for building intellectual capacity.

I am LOUIS Leenmy a third year resident in anesthesiology reanimation in “hospital UniversitaireJustinien” Cap Haitian (north Haiti) and I have been selected by my Chairman Dr Marie Carmelle S LECONTE and my responsible academic Dr Yvel ZEPHIR to participate in an externship within the department of anesthesiology at the Brooklyn Hospital Center, a 464 bed Medical Center hospital, created in 1847 is located at 121 DeKalb Avenue, Brooklyn, NY 11201. Its is a member of the New York and Presbyterian Healthcare System. The hospital enjoyed the services of many Haitian Docs, and Interfaith Medical center (Old Brooklyn Jewish Hospital) has down sized but continued to train 75 Medical Residents with a board passing rate of 99%. Three major departments are run by docs from Haitian descent. Many Haitian surgeons were trained at that institution.

This program was for a period of approximately ninety days, commenced April 20th, 2015 and culminated July 17th, 2015.
Thanks

My special thanks to:

- God, he is always there for me
- AMHE members (Dr Paul Nacier, Dr Patrick Leblanc, Dr Eric Jerome, Dr Alix Dufresne and Dr Jose Michel Charles)
- AMHE NY-chapter President, Dr Micheline Lerebours Dole and the AMHE CEC President, Dr Maxime Coles
- SIMACT (Dr Lesly Kernisant, President)
- The Brooklyn Hospital Center (Richard B. Becker, President and CEO)
- Chairman, Department of anesthesiology at TBHC (Dr KIM)
- Chairman, Department anesthesiology at IMC (Dr Valcy ETIENNE)
- Chairman, Department of anesthesiology at HUJ (Dr Marie Carmelle S LECONTE)
- Mr Claude a respiratory therapist
- The responsible of residents’ training at HUJ (Dr Yvel ZEPHYR)
- The medical director at HUJ (Jean Gracia Coq)
- The executive director at HUJ (Dr Dube)
- To my family in particular my foster mother Marie Alice Brunache LAURENT, my uncle Camille VOLCY, and Karl H. S. LEVEILLE for all the support during my rotation
My goals were before the rotation

- See how it goes elsewhere
- How is the management when you have a department with more than 3 operating rooms
- The installation methods for each type of intervention
- Learn the patient monitoring for the different anesthetics technic
- Master on the mechanical ventilation
- Master on the code systeme (reanimation- and intensive care)
- How to install a central line
- Broaden my horizons
Anesthesiology department at Brooklyn Hospital Center

- April 20th to April 27th → endoscopy and colonoscopy room
  Different type of IV sedation (versed + fentanyl or versed + fentanyl + Benadryl or Benadryl + fentanyl or propofol + fentanyl and many other protocols)
- April 27th to May 22nd → operating room

<table>
<thead>
<tr>
<th>Diagnostic</th>
<th>Anesthetic protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thyroidectomy and neck dissection</td>
<td>AG (IOT) with PPF+ SUCC+Sevo</td>
</tr>
<tr>
<td>Knee prosthesis</td>
<td>Spinal+ femoral nerve block+ PPF on pump infusion</td>
</tr>
<tr>
<td>Hip prosthesis</td>
<td>Continuous Epidural + sedation</td>
</tr>
<tr>
<td>Odontology (ASA III) heart disease, asthma, diabetic and penicillin allergy</td>
<td>Sedation: Benadryl 50mg + fentanyl 50 mg + versed 2 mg + lidocaine 100mg</td>
</tr>
<tr>
<td>L5S1 spondylosis</td>
<td>AG(IOT) + arterial line for monitoring and learning about positioning for column surgery</td>
</tr>
<tr>
<td>Lipoma on the back</td>
<td>Sedation</td>
</tr>
<tr>
<td>Knee prosthesis</td>
<td>Continuous Epidural and sedation</td>
</tr>
<tr>
<td>Left mastectomy and left breast reconstruction</td>
<td>AG(IOT)</td>
</tr>
<tr>
<td>Knee revision (bad column)</td>
<td>AG(IOT) + femoral nerve block</td>
</tr>
<tr>
<td>Excision thyroglossal cyst</td>
<td>AG(IOT)</td>
</tr>
<tr>
<td>Left knee replacement</td>
<td>Spinal + femoral nerve block + sedation</td>
</tr>
<tr>
<td>Left breast lumpectomy</td>
<td>AG(IOT)</td>
</tr>
</tbody>
</table>

Other
- Set up the pump infusion
- Set up the fluid warmer
- Set up the air burger (prevent hypothermia)
- Learning and interpretation of monitors
Positioning for column surgery
Air burger (to prevent hypothermia)
Pump infusion
- May 26th to June 8th
  MICU: medical intensive care unit
  SICU: surgical intensive care unit
  Learning and set up the ventilators
  Set up of different modes of mechanical ventilation

- June 10th to June 15th → PICU: pediatric intensive care unit
  Learning about the pediatric ventilation modes
  Round in room every morning with the attending and the other pediatrics residents
  Simulation cases about pediatric reanimation in the afternoon with the attending

- June 16th and June 23th in the afternoon
  Practice for central line in the simulation laboratory for adult
  Intern jugulaire
  Infra and supra claviculaire
  Femoral

Every two weeks we had lectures
Presentation realized
- Drug for sedation
- Laryngospasm and bronchospasm
- Modes of ventilation
- Aspiration pneumonia
- Oxygen toxicity

Presentations followed
- Hand foot diabetic syndrome
- Down syndrome
- Tetralogy of fallow
- Treacher Collins
- Tuberosclerosis complex
- Asthma excacerbation in adults
- Tropical sprue
- Acute pancreatitis
- Mixt acid base disorder
- Management of hyperkaliemia

Anesthesiology department at interfaith medical center
June 28th to July 17th

<table>
<thead>
<tr>
<th>Diagnostic or type of surgery</th>
<th>Anesthetic protocol/technic</th>
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<tbody>
<tr>
<td>circumcision</td>
<td>AGM</td>
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<tr>
<td>Eyes procedure</td>
<td>Sedation+ nerve bloc</td>
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<tr>
<td>Open reduction of left ankle</td>
<td>AG(IOT)</td>
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<tr>
<td>Lipoma on the right thigh</td>
<td>Sedation+ femoral nerve block</td>
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<tr>
<td>Cataract + cornea transplant</td>
<td>AG(IOT)</td>
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<tr>
<td>Close reduction of left forearm</td>
<td>Deep sedation</td>
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<tr>
<td>Abnormal uterus bleeding (hysteroscopy)</td>
<td>LMA</td>
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<tr>
<td>Anal ulceration</td>
<td>LMA</td>
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<tr>
<td>Uterine fibroids and abnormal bleeding</td>
<td>AG(IOT)</td>
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<tr>
<td>Radical mastectomy left breast</td>
<td>AG(IOT)</td>
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<tr>
<td>Ventral hernia</td>
<td>AG(IOT)</td>
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<tr>
<td>Uterin fibroids</td>
<td>AG(IOT)</td>
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<tr>
<td>Pelvic adhesion + leiomyoma uterin+ tubal obstruction</td>
<td>AG(IOT)</td>
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<tr>
<td>Total knee replacement</td>
<td>AG(IOT)</td>
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<tr>
<td>Torn meniscal left knee (arthroscopy)</td>
<td>LMA</td>
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<tr>
<td>Abdominoplasty</td>
<td>AG(IOT)</td>
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<tr>
<td>Conisation</td>
<td>AG with mask</td>
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<tr>
<td>Procedure</td>
<td>Anaesthetic Method</td>
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<tr>
<td>------------------------------------------------</td>
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<tr>
<td>Arthroplasty</td>
<td>LMA</td>
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<td>Arthroplasty</td>
<td>LMA</td>
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<tr>
<td>Arthroplasty</td>
<td>LMA</td>
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<tr>
<td>Mandible fracture</td>
<td>AG(INT)</td>
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<tr>
<td>Skin graft</td>
<td>LMA</td>
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<tr>
<td>Trombecthomy</td>
<td>LMA</td>
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<tr>
<td>Abdominoplasty</td>
<td>AG(IOT)</td>
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<tr>
<td>Anal biopsy</td>
<td>LMA</td>
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<tr>
<td>Oral rehabilitation</td>
<td>AG(INT)</td>
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<tr>
<td>Port a catheter insertion</td>
<td>Local+ sedation</td>
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<tr>
<td>Prostate biopsy</td>
<td>AG(IOT)</td>
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<td>Scalp biopsy</td>
<td>LMA</td>
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<tr>
<td>AV fistula</td>
<td>Local+ sedation</td>
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<td>D and C of abcess in right foot</td>
<td>AGM</td>
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<tr>
<td>Laparoscopic cholecystectomy</td>
<td>AG(IOT)</td>
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<tr>
<td>Laparoscopic appendicectomy (13 years old)</td>
<td>AG(IOT)</td>
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<tr>
<td>Hematoma of penis post circumcision</td>
<td>AGM</td>
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<tr>
<td>Dry gangrene( BKA)</td>
<td>Sciatic and femoral nerves block+ sedation</td>
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Other
Pre anesthesia evaluation
Post anesthesia note
Oesophagal temperature tube
BIS (biseptral index) set up and interpretation
Comments and suggestions

Appreciative I have been fortunate to participate in this rotation. At Justinian we are really very grateful to the Association of Haitian Physicians has living abroad. And we take this program very heart. With this rotation I acquire new knowledge and skills that will be valuable for my career and the Haitian population

aaHenceforth I possess an experience that gives me ways to improve myself and to help other residents of HUJ who have not had this rotation

I hope the program will continue to improve the quality of care in Haiti and may God bless special way of each member of AMHE for this initiative.