



International Perioperative Medicine at Johns Hopkins University

Supplemental Newsletter from the 2019 JH-Global Alliance of Perioperative Professionals Dinner

Student Awards

Three Outstanding Students & Two Outstanding Programs!!!!

What was the Purpose of the Dinner/Event?

- Connecting JHU Schools.
- Connecting global surgical programs.
- Demonstrating global health opportunities to students.
- Connecting JH Global Surgery to the Baltimore Community at Large.

Urgent need for a Priority Hopkins Project

A Historic Opportunity to Help Repair a Healthcare System and to Save Lives in Liberia.

CHRISTAPHINE BOB-RAY/ FATIMA KAMARA/ FREY GUGSA/ EVENT PHOTOS/ RESIDENCY IN LIBERIA

Impacting Anesthesia in Ethiopia



FREY GUGSA

University of Pittsburgh medical student **Frey Gugsa** is taking leadership to a point beyond her years in advocacy of pain management and anesthesiology development in Ethiopia. She has a serious determination to be part of the process for continuous improvement of the Ethiopian healthcare system and recently had a one-on-one meeting with the Ethiopian minister of health to discuss these matters. Her poster presentation was fantastic and we look forward to watching her career blossom.

Her mentor Dr. William Simmons (Univ. Of Pitts) believed in her enough to drive all the way from Pittsburg to join her at the Global Alliance of Perioperative Care (GAPP) dinner.

In recognition of Frey's promising career in global surgical care JH-GAPP will be offering her a travel grant to the 2019 National Medical Association Conference in Hawaii so that she may present her work to the anesthesia section.





CHRISTAPHINE BOB-RAY
FATIMA KAMARA

Making Surgery Safer by Decreasing Surgical Site Infection Risk.

Fatima Kamara at 18 years of age was the youngest member of the JH-GAPP team to Sierra Leone, but you would never know given the maturity of her performance during project preparation and project execution while in Sierra Leone. Of Sierra Leone heritage, this project had special meaning to Fatima.

Fatima is looking forward to entering medical school upon graduation. We look forward to seeing what Fatima will bring to global surgical care in general and surgical care Sierra Leone in particular.

Christaphine Bob-Ray is a JH-Biotechnology student who is graduating with her masters degree this month. Her job prospects are promising in the biotech field, but she will most likely be pursuing a medical degree at an institution that will allow her the freedom of integrating her biotechnology ideas into clinically practical applications.

Christaphine and Fatima were paired together during the 2018 JH-GAPP project to Sierra Leone where they worked on a Human Factors evaluation of the risks of surgical equipment sterilization that are inherent to the use of existing autoclaves in Sierra Leone. They compared these risks to potential identified risks associated with a newly invented device (Eniware EPS) that is capable of sterilizing surgical equipment without electricity and without an autoclave. This trip represented the first study of this device in Africa.

A detailed overview of the Eniware Sterilizer can be found at the following TED Talk link (<https://www.youtube.com/watch?v=CZ2AoK80JD8>).

Christaphine and Fatima have been invited to present their work at the National Medical Association anesthesia section in July of 2019.



<https://www.gofundme.com/liberia-safe-surgery-amp-anesthesia-initiative>



Be a part of history.

Help the Partnership for Perioperative Care collaborate with the Liberian government for the creation of unique Perioperative Medicine Physicians through the establishment of a Liberian tailored residency program.

<https://www.gofundme.com/liberia-safe-surgery-amp-anesthesia-initiative>

Please consider a monthly contribution to the GoFundMe account that supports this program. With your generous contributions the training program may be able to start this year.



Past years of dictatorship, civil war and the recent Ebola crisis have left the Liberia health sector with very little manpower.

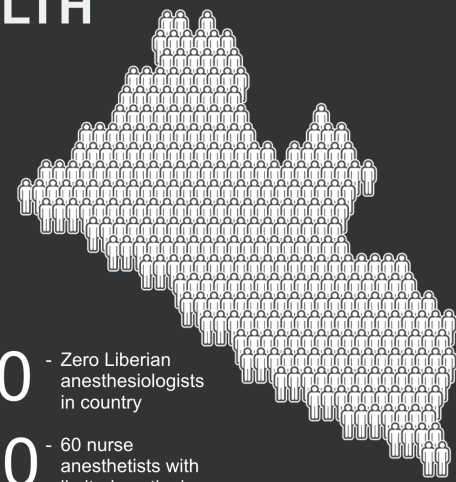
Existing surgeons, including a neurosurgeon and recently established surgical, obstetric/gynecology and pediatric residencies are training clinicians who operate with limited anesthesia support and no intensive care unit.

GLOBAL HEALTH DISPARITIES

LIBERIAN POPULATION

4,700,000

 = 9000 PEOPLE



200 - Over 200 health centers in need of an anesthesiologist

0 - Zero Liberian anesthesiologists in country

24 - 24 surgeons and a newly developed surgery residency programs

60 - 60 nurse anesthetists with limited continuing education

You Can Help!

The Johns Hopkins Global Alliance of Perioperative Care and the Liberian Government, along with Vanderbilt International Anesthesia and the World Federation of Societies of Anaesthesiologists have formed the Partnership for Perioperative Care in Liberia.

This partnership is in need of non-profit funding so that the innovative approaches that have been conceived by the partnership members can be applied to establish a unique anesthesia residency program that is tailored for the Liberian environment.

Please consider a monthly contribution to the GoFundMe account that supports this program. With your generous contributions the training program may be able to start this year.

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Liberia - Safe Surgical Care Crisis! The Solution.

Anesthesia is an indispensable part of safe surgery and therefore, the development of this unique anesthesia training program has the potential to substantially strengthen Liberia's health sector by providing safe surgical care nation-wide, thus giving Liberia's citizens a much better chance of surviving cancer, trauma, birth and a myriad of other surgical conditions with reduced morbidity.

Objectives

1. Establishment of a sustainable Liberian based anesthesia residency that meets the requirements for **certification by the West African College of Surgeons (WACS)**.
2. Introduction of enhanced operative and labor/delivery maternal care to **improve care to the mother's of Liberia**.
3. Development of a unique **simulation based continuing medical education** program. Anesthesia trainees learn **simulation techniques that target survivability and safe surgery** as part of the curriculum and use these **techniques to improve nurse anesthesia care nation-wide**.
4. **First sustainable intensive care unit in Liberia**. Substantial enhancement of the WACS critical care curriculum with a focus on critical care in a cost constrained environment. **Management of critically injured and ill patients in both urban and rural environments** will be part of the curriculum with specific rotation with Liberia's first neurosurgeon.
5. Leverage of online public health resources from "Partner" institutions to **develop clinical research and public health skills** amongst all accepted residents. Graduating residents should be part of the leadership for development of stronger health care system.
6. Visiting faculty for the residency program will systematically engage with the current nurse anesthesia training program at Phebe to **increase the quality and annual capacity of nurse anesthetists produced**.
7. Incorporation of **non-opioid pain relief techniques (regional nerve block and others)** within the curriculum in full recognition of the long-term harm these medications can have on society.

About the Institute of Global Perioperative Care

The Institute for Global Perioperative Care (IGPC) is the non-profit partner of JH-GAPP. The IGPC has membership from across the United States and Canada and partners with low-income country partners for projects that will make a concrete difference in healthcare strength and perioperative safety.

More information on the IGPC can be found at <https://www.globalperioperative.care>



The Liberian Perioperative Medicine Anesthesia Residency Program is currently the number one priority of the Institute of Global Perioperative Care based on the national impact, and potential life-impact.

Volunteer for the IGPC.

Donate to the IGPC

<https://www.gofundme.com/liberia-safe-surgery-amp-anesthesia-initiative>

Contribute

<https://www.gofundme.com/liberia-safe-surgery-amp-anesthesia-initiative>

ABOUT THE INTERNATIONAL PERIOPERATIVE MEDICINE DINNER

Students and faculty across Johns Hopkins University are doing significant international work around the surgical process that's making an impact on lives worldwide.

Currently, people in one location don't know about the projects of others, thus impeding cross fertilization and transferring a silo approach to international perioperative work.

Students who are interested in international work are left without strong role models and wonder if careers in nursing, surgery, anesthesia and other perioperative disciplines

can be integrated with global work in a meaningful way.

Finally organizations like the Center of Africana Studies are disconnected from those who are doing work in Africa and those who are interfacing with African populations. The same situation exists with academic centers for Latin America and Asia that exist at the Krieger School of Arts and Sciences.

By recognizing individuals who are doing significant work the Global Perioperative Medicine Dinner serves to bridge these gaps, fosters communication and camaraderie.

THE SUCCESS OF THE FIRST GLOBAL PERIOPERATIVE MEDICINE DINNER.

- 1.) Attendance was at the full capacity of the Johns Hopkins Club.
- 2.) 6 Johns Hopkins Schools represented at the dinner and through international projects:
 - School of Business
 - Krieger School of Arts & Sciences
 - School of Education
 - School of Nursing
 - School of Medicine
 - School of Public Health
- 3.) Projects representing Africa, Asia, Latin America and Eastern Europe.

PLANNED OUTCOMES

Periodic newsletter regarding Johns Hopkins Global Perioperative Activities until the time of next year.



Urban Foli
<https://www.urbanfoli.com>



Derek Bridges
Hometeam History
<https://www.youtube.com/channel/UC12IU5ymIvSpgl8KntDQUQA>



JOHNS HOPKINS MEDICAL STUDENT MONICA
MEEKS IN HONDURAS

The Institute of Global Perioperative Care
<https://www.globalperioperative.care>

Event Planning
Felecia Hopkins, Christophine Bob-Ray, Fatima Kamara

Photography by Jamal Parker
<https://www.instagram.com/jamalparkerphotography/?hl=en>

Logistics Support
African American Democratic Club Youth Council