Becoming a Pediatric ICU Physician-From Africa to the US

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Delaware Mini-Medical School, Spring 2025





Outline

- Africa: Medical School
- Nigeria: Medical Officer
- Ireland: Emergency Room Physician
- United States:
- Residency → Pediatrician
- MPH
- Fellowship —Pediatric Intensivist
- Africa: Global Health Project



World Map

Africa: Medical School

Med School-6 years

o 7 years: Industrial strike

Straight from high school



Nigeria: Medical Officer

Internship: Nigerian Army Reference Hospital, Kaduna

National Service (NYSC): Sir Yahaya Memorial Hospital, Birnin-Kebbi,
 Kebbi State

Medical Officer: Lagos Nigeria

OMPH: University of Lagos, College of Medicine, Vaccine Marketing

Ireland: Emergency Room Physician



THE ADELAIDE & MEATH HOSPITAL, DUBLIN INCORPORATING

INCORPORATING
THE NATIONAL CHILDREN'S HOSPITAL

Tallaght University Hospital Ospidéal Ollscoile Thamhlachta

An Academic Partner of Trinity College Dublin





Preparing for Residency Program in the United States (US Medical Licensing Examinations)

- ○USMLE Step 1
- ○USMLE Step 2- CK
- ○USMLE Step 2-CS
- Residency Applications/Interviews/Match
- ECFMG Certification (Foreign Medical Graduates)

Residency Training, New York

Woodhull Medical and Mental Health Center, Brooklyn NY



Pediatric Residency Program

- A 3-year program
- PGY-1
- PGY-2
- PGY-3

- In-Training Exam (ITE)
- Best Graduating Resident

Pediatrician at Nemours/duPont Pediatrics

- Primary Care Office; Georgetown, Milford, Philadelphia Pike and A.I. duPont Hospital for Children (Yellow Module)
- Physician-In-Charge
- J-1 Visa (Health Professional Shortage Area)
- MPH Degree
- Green Card (Permanent Residency Card)
- Fellowship Training

Masters of Public Health (MPH) Degree

Johns Hopkins Bloomberg School of Public Health



MPH Program

2-year program

Online/In Person

Winter and Summer Institutes

Fellowship Training, Baltimore MD

University of Maryland Medical Center, Baltimore



Pediatric Critical Care Medicine Fellowship Program

- 3-year program
- PGY-4
- PGY-5
- PGY-6

 Interview at Nemours for a PICU Job

Pediatric Intensivist, Nemours Children's Hospital, Wilmington DE

Nemours Children's Hospital



Pediatric ICU



Pediatric Intensivist, Cooper University Hospital, Camden NJ

Cooper University Hospital



Regional Children's Hospital at Cooper



https://teenytinyhopkins.blogspot.com/2009/08/

Pediatric Intensivist

OClinician:

Treat children who are critically ill

○Teacher:

• Teach medical students, residents, fellows, nurses

OResearcher:

- Basic Science Researcher
- Clinical Researcher

My Job as a Pediatric Intensivist and Why I choose this field.

- A pediatrician who is specially trained to treat children who are critically ill or unstable from organ system failures, recovering from major surgeries or involved in major accidents.
- These children are admitted to the Pediatric Intensive Care Unit (PICU).



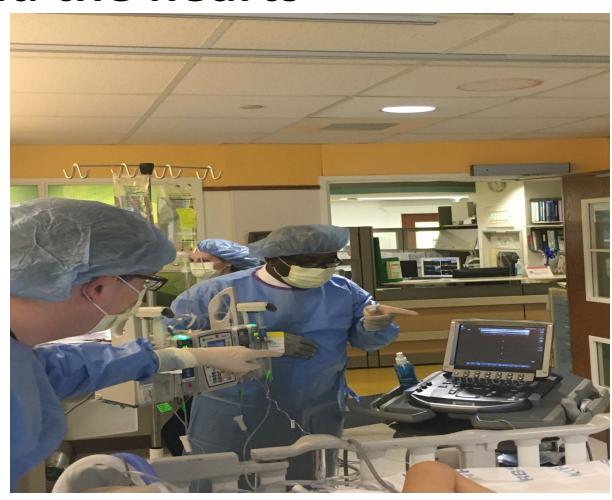
Some of conditions that can make a child critically ill or unstable

- ❖ Severe Asthma
- ❖ Diabetic Ketoacidosis-DKA (complications from diabetes)
- An overwhelming Infection (Sepsis) eg from severe pneumonia
- Serious injuries (such as car, bicycles, scooters, skateboards, rollerblades)
- ❖ Near drowning

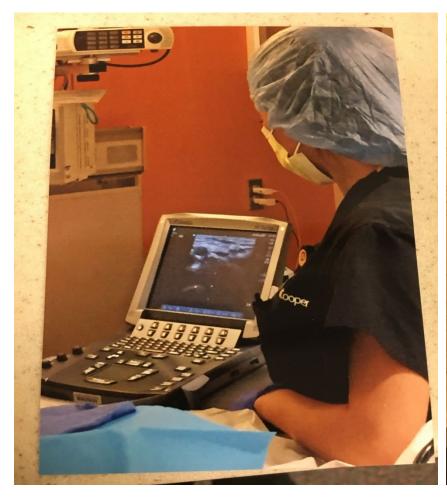
Intubate Patients and Monitor With Ventilators



We place special catheters in the blood vessels and the hearts



Central Lines and Arterial Lines



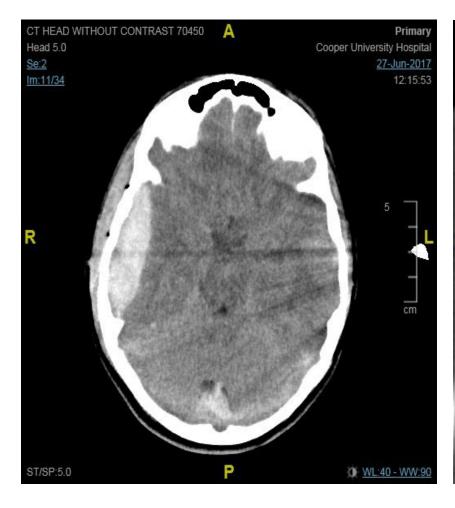


Post-Op Heart Operations



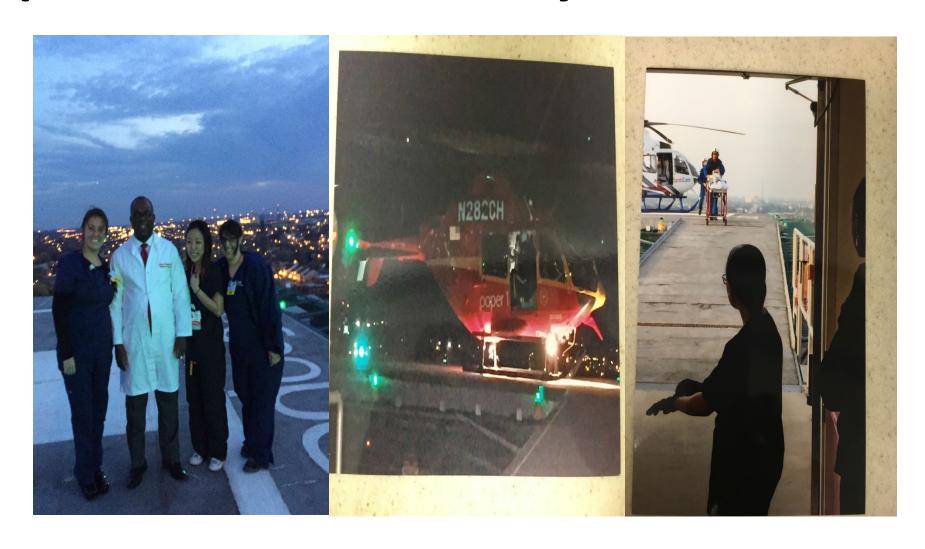
http://devinbecerril.blogspot.com/2005/11/

Bicycle and Car Accidents





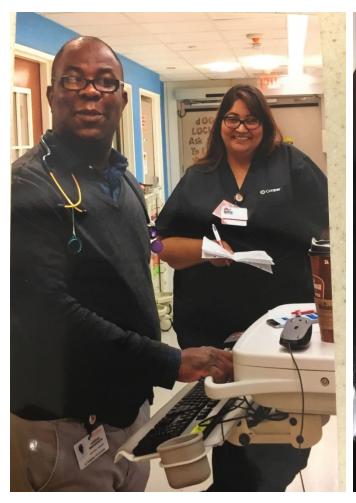
Helipad to receive critically ill children



Teamwork and Care Coordination

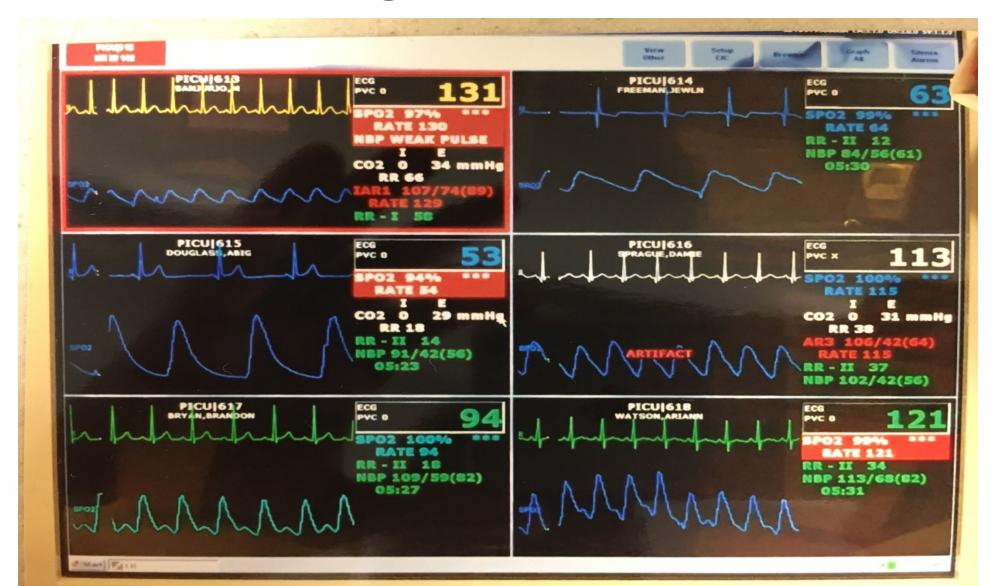


Make Rounds and Teaching





Monitors: Vital Signs, Alarms and Trends



Reason Why I Do This



Establishing a Pediatric ICU in Nigeria "The Nigeria PICU Project"

PICU Room at Nemours



Proposed PICU Room at UNTH

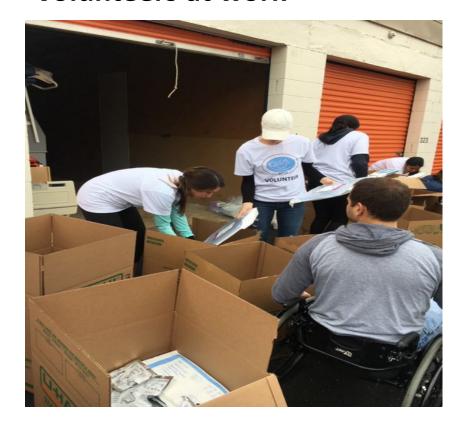


04/13/2019- 3rd Packing Events

Volunteers at work



Volunteers at work

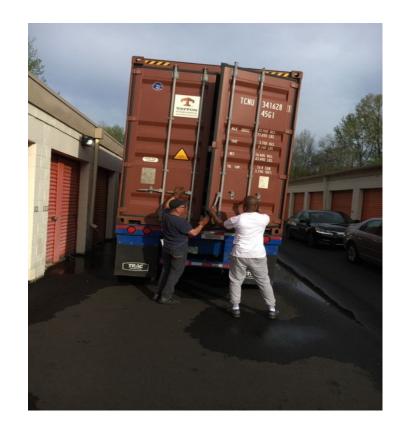


40' Container Load of Medical Supplies

Loading completed



Container closure



Container at UNTH Enugu, Nigeria

In front of Warehouse at UNTH

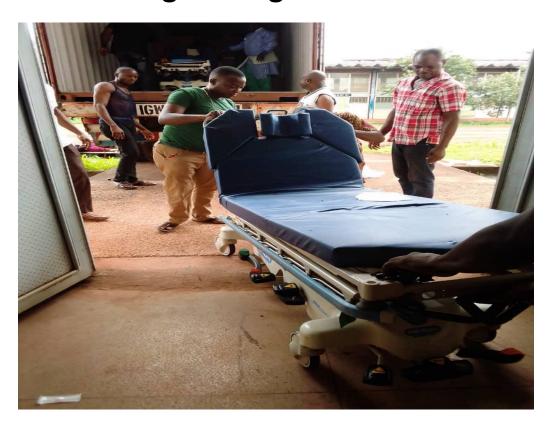


Loaders at UNTH



Warehouse at UNTH Enugu

Off-loading at Enugu



Inside our Warehouse



5-Bed Pediatric ICU at UNTH Enugu

Before After





09/17/19-Training Started



Skills Stations

Practicing Intubation Skills



Demonstrating Ultrasound-guided Central Venous Line Placement



Formal Opening of the New Pediatric ICU at UNTH, Enugu 2021





2022 training





2022 Clinical Services





2022 Clinical Services





Inside the ICU/OR





Our Team Members in 2019

Our team supported by Nemours/Cooper



Our team in native apparel



Our Team Members in 2022

Our team supported by Nemours/Cooper



Our Team in our Native Ankra



Guest Bartender Fundraiser Event 05/31/2023





Guest Bartender Fundraiser Event 05/31/2023





How to become a Pediatric Critical Care Specialist

- ✓ Medical Degree- 4 years
- ✓ Pediatric Residency Training- 3 years
- ✓ Pediatric Critical Care Fellowship Training- 3 years

Why Pediatric Critical Care

☐ VERY REWARDING!!!

➤ Good Patient Outcomes

➤ Making a Difference

➤ Good Lifestyle

Thank You!

QUESTIONS????