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Register online: [meetings.gi.org](http://meetings.gi.org)

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**2023**

**OCTOBER**  
20-25, 2023  
VANCOUVER, CANADA

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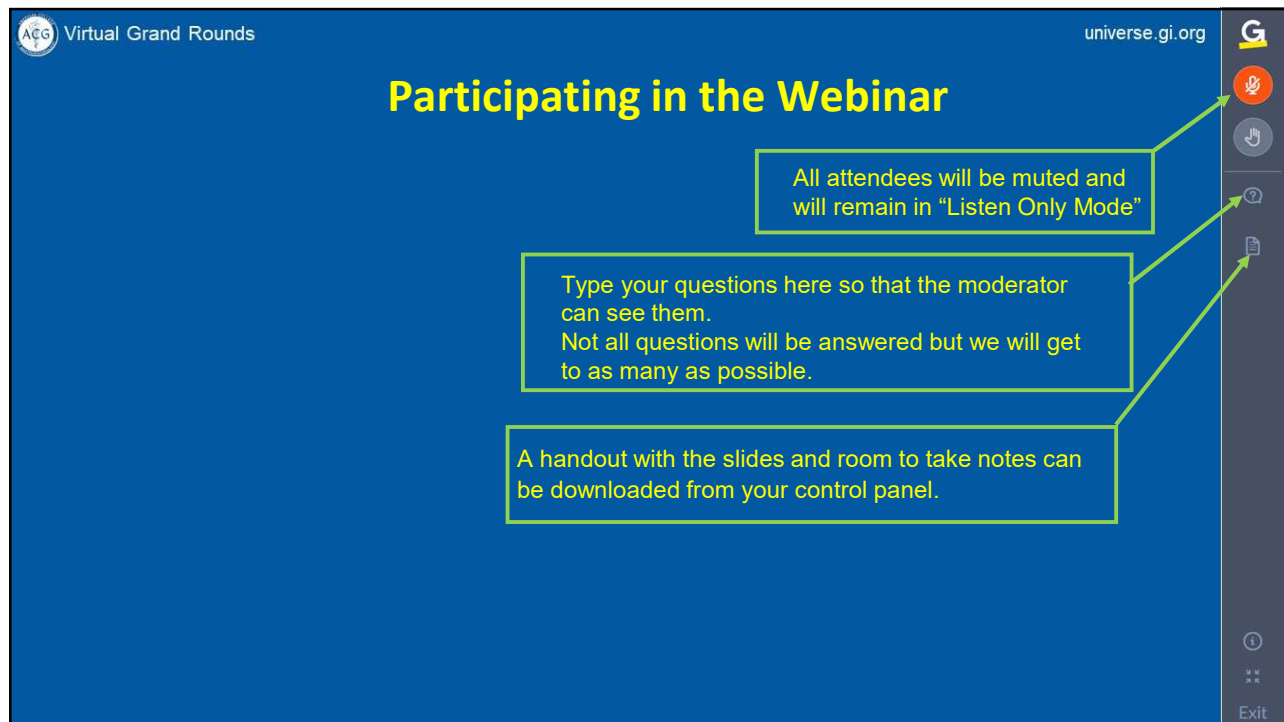
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## Participating in the Webinar

All attendees will be muted and will remain in "Listen Only Mode"

Type your questions here so that the moderator can see them.  
Not all questions will be answered but we will get to as many as possible.

A handout with the slides and room to take notes can be downloaded from your control panel.



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## ACG Virtual Grand Rounds

### Join us for upcoming Virtual Grand Rounds!



**Week 20 – Thursday, May 18, 2023**  
World IBD Day Webinar: Crash Course in Caring for the Emerging Adult with IBD  
Faculty: Sandra C. Kim, MD; Amy Bugwadia, MS  
Moderator: Mara Shapiro  
**At Noon and 8pm Eastern**



**Week 21 – Thursday, May 25, 2023**  
The Role of Non-Invasive Modalities in Colorectal Cancer Screening  
Faculty: Douglas J. Robertson, MD, MPH  
Moderator: T.R. Levin, MD, FACG  
**At Noon and 8pm Eastern**

**Visit [gi.org/ACGVGR](https://gi.org/ACGVGR) to Register**

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## Disclosures



**Akwi W. Asombang, MD, MPH, FACP**  
*Dr. Asombang has no financial relationships with ineligible companies.*



**Mmeyerabasi Omede, MD**  
*Dr. Omede has no financial relationships with ineligible companies.*


*\*All of the relevant financial relationships listed for these individuals have been mitigated*

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## Global Health in Gastroenterology: Establishing a Program, Challenges, and Solutions

**Akwi W. Asombang, MD, MPH, FACP**  
 Interventional Endoscopy  
 Division of Gastroenterology  
 Director of Global Health Programs in Gastroenterology  
 Massachusetts General Hospital  
 Harvard Medical School, USA





**American College of Gastroenterology  
Virtual Grand Rounds  
May 11<sup>th</sup>, 2023**



**MASSACHUSETTS  
GENERAL HOSPITAL  
GASTROENTEROLOGY**

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## OUTLINE- OBJECTIVES

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- Define global health
- State of gastroenterology in Africa
- Developing global health programs in gastroenterology
  - Long-term service
  - Short term training programs
- Establishing Mentorship programs
- Challenges and solutions in global gastroenterology

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## GLOBAL HEALTH DEFINITION

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- ***An area for study, research, and practice that places a priority on improving health and achieving equity in health for all people worldwide.***
- Emphasis:
  - Transnational health issues, determinants, and solutions
  - Involves many disciplines within and beyond the health sciences
    - law, economics, history, engineering, biomedical and environmental sciences, and public policy
  - Promotes interdisciplinary collaboration
  - Population based prevention
  - Individual-level clinical care

***Global health is not a vacation!***

Koplan JP et al. The Lancet. 2009  
August E et al. Ann Glob Health. 2022

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# HISTORICAL BACKGROUND



- **Global health 1.0 - tropical medicine - colonialism**  
↓
- **Global health 2.0 - international health - High income countries (HIC)**  
“helping people” in low-middle income countries (LMICS). “clever people in rich countries doing something to help people in poor countries”  
↓
- **Global health 3.0 – researchers from HICs leading research/health LMICS**  
↓
- **Global health 4.0-** people from LMICs leading health programs in LMICs
  - Collaboration, partnership
- **Mission trip(s)**
  - One-off versus continuous

Seye Abimbola, *International Health*. 2018  
Smith R. *BMJ Opin* . 2013

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# Global Health versus Public Health



	<b>Global health</b>	International health	<b>Public health</b>
Geographical reach	Focuses on issues that directly or indirectly affect health but that can transcend national boundaries	Focuses on health issues of countries other than one's own, especially those of low-income and middle-income	Focuses on issues that affect the health of the population of a particular community or country
Level of cooperation	Development and implementation of solutions often requires global cooperation	Development and implementation of solutions usually requires binational cooperation	Development and implementation of solutions does not usually require global cooperation
Individuals or populations	Embraces both prevention in populations and clinical care of individuals	Embraces both prevention in populations and clinical care of individuals	Mainly focused on prevention programmes for populations
Access to health	Health equity among nations and for all people is a major objective	Seeks to help people of other nations	Health equity within a nation or community is a major objective
Range of disciplines	Highly interdisciplinary and multidisciplinary within and beyond health sciences	Embraces a few disciplines but has not emphasised multidisciplinary	Encourages multidisciplinary approaches, particularly within health sciences and with social sciences

Table: Comparison of global, international, and public health

Examples – USA perspective:

- Global health:
  - COVID19 pandemic
- Public health:
  - Malnutrition – obesity
  - Poverty


Douglas CM, Stemerding D. *Syst Synth Biol*. 2013  
Projected U.S. State-Level Prevalence of Adult Obesity and Severe Obesity - CHOICES Project

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## PUBLIC HEALTH: USA - Malnutrition


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### Nearly a quarter of Americans will have severe obesity by 2030

U.S. Severe Obesity rates, 1990-2030

- 5-9%
- 10-14%
- 15-19%
- 20-24%
- >25%



Childhood Obesity Intervention  
Cost Effectiveness Study


Ward Z.J, Bleich SN, Cradock AL, Barrett JL, Giles CM, Flax CN, Long MW, Gortmaker SL. Projected U.S. State-Level Prevalence of Adult Obesity and Severe Obesity. *N Engl J Med.* 2019;381:2440-50. doi:10.1056/NEJMsa1909301

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## PUBLIC HEALTH- USA - Poverty

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USA population 2018: 327,096,263

- Increase poverty 1995 to 2016
  - deep poverty increased by an estimated 48% to 93%
  - extreme poverty increased by an estimated 54% to 111%

Native American	Black	Hispanic	White	Asian
25.4%	20.8%	17.6%	10.1%	10.1%
Children	Women	Men	Seniors	
16.2%	12.9%	10.6%	9.7%	

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## GOALS OF GLOBAL HEALTH

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- Capacity building- sustainability
  - Leaders
  - Researchers
  - Institutions
  - Bidirectional exchange of knowledge

***“Give a man a fish and you feed him for a day; teach a man to fish and you feed him for a lifetime”***

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Smith R. *BMJ Opin.* . 2013

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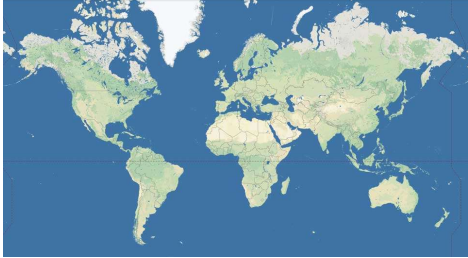

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# AFRICA

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- 2<sup>nd</sup> largest continent by area
- ~1.3 – 1.6 billion people, 16% of world's population
- At least 2,000 languages
  - Most Africans are multilingual
- Projected to have >85% increase in cancer incidence by 2030
  - demographic changes: obesity and aging population
- Heterogeneous: genetic, geographic, climate, environmental, economic, and sociocultural factors
  - Affects incidence, prevalence, and mortality of various diseases

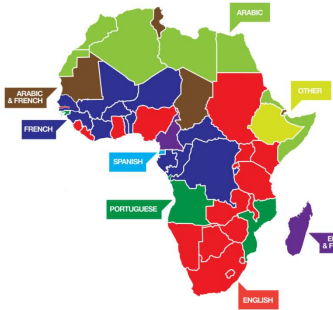

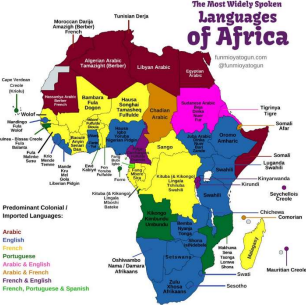



Morhason-Bello IO et al. Lancet Oncol. 2013  
 Maps: online  
<https://data.worldbank.org/indicator/SP.POP.TOTL?locations=ZG>

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<https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.pinterest.com%2Fpin%2F418271884115964795%2F&psig=AOvVaw03gmOZJSECSVZRLRbSowX&ust=1591635426024000&source=images&cd=vfe&ved=0CAIQJRxqFwoTCIj8oSOW80kCFQA AAAAdAAAAABAm>  
<https://twitter.com/funmiyatogun/status/1016791941160275971>

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# STATE OF GASTROENTEROLOGY IN AFRICA



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## STATE OF GASTROENTEROLOGY IN AFRICA



- Limited data describing GI/Endoscopy capacity in Africa
- Most comprehensive data is from World Endoscopy Organization (WEO)/European Society of Gastrointestinal Endoscopy (ESGE)
  - Survey of GI endoscopy in Africa
  - Aim: assess epidemiology of diseases requiring endoscopy in Africa
    - Assess unmet needs or shortages in training, education, technology, and infrastructure
  - Method: 40 questions sent to all possible contacts.
    - Contacts: institutions (e.g., African scientific societies) and individual centers identified from contact lists of ESGE, WEO, and European national societies with well known and long-lasting relationships with African countries (e.g., the French Society of Digestive Endoscopy).
  - Results: 22 responses received from 15 different African countries

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## STATE OF GASTROENTEROLOGY IN AFRICA

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- Few GI endoscopy centers with adequate resources.
- Barriers to the development of endoscopy services:
  - Shortage of endoscopists with advanced endoscopy training
  - Lack of equipment and basic infrastructure
- Diseases of infectious etiology more prevalent than neoplastic diseases
  - Infectious etiology: peptic ulcer disease and liver cirrhosis
- *Limitation: small number of responses*

Table 1. Number of survey responses from each country.

Country	Survey responses, n
Algeria	1
Burkina Faso	1
Benin	6
Chad	1
Democratic Republic of the Congo	1
Ghana	1
Ivory Coast	2
Kenya	1
Senegal	1
Mali	1
Nigeria	2
Sierra Leone	1
Sudan	1
Tunisia	1
Uganda	1
Total	22

\*Hassan C et al. Partnership with African Countries: European Society of Gastrointestinal Endoscopy (ESGE) - Position Statement. Endosc Int Open. 2018

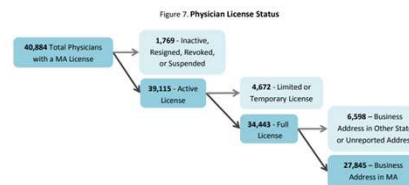
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## PERSONNEL, TRAINING & INFRASTRUCTURE

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- Shortage of both gastroenterologists and nurses
- Density of doctors:
  - Africa: 14 to 1192 per million
  - Europe: 1286 to 6645 per million
  - USA: 2554 per million
    - Massachusetts: (population 6.8 million)
      - 413 physicians per 100,000 residents
        - » Highest of any state in the country
      - 27,845 physicians with a full, active license and business address in MA, 568 GI
- Training
  - 8/13 countries:  $\geq 90\%$  endoscopists receive training in basic endoscopy only.
  - 10/15 countries:  $< 30\%$  of endoscopists had received training in advanced endoscopy.
  - Training sites
- Infrastructure
  - Equipment
  - Accessories
  - Biomedical engineer

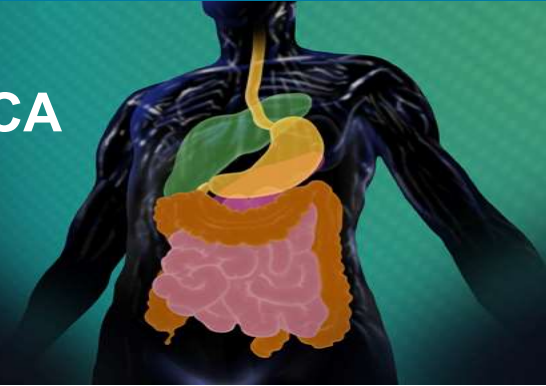


Mwachiro M et al. Endosc Int Open. 2021  
Hassan et al. Endosc Int Open. 2018  
The Massachusetts Health Professions Data Series Physicians | Mass.gov

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## RESEARCH IN AFRICA



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## RESEARCH IN AFRICA



- Lack of research
- Insufficient numbers of skilled health-care personnel

### GI CANCERS

- Insufficient updated and comprehensive data for cancer and death registration
- Inadequate or no information about cancer
  - Globocan: online database providing estimates of incidence and mortality in 185 countries for 36 types of cancer, and for all cancer sites combined.
    - Data is part of IARC's Global Cancer Observatory
    - Available online at Cancer Today with user-friendly facilities to produce maps and explore visualizations
- Lack of cancer prevention and control policy, cancer programs
- Inadequate collaboration or coordination of interventions by stakeholders and donors to combat cancer

Morhason-Bello JO et al. Lancet Oncol. 2013.  
<https://www.uicc.org/news/new-global-cancer-data-globocan-2018>

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International Agency for Research on Cancer  
World Health Organization

## GLOBAL CANCER OBSERVATORY

HOME ABOUT DATABASES CANCER REGISTRY RESOURCES HELP

The Global Cancer Observatory (GCO) is an interactive web-based platform presenting global cancer statistics to inform cancer control and research.

### CANCER TODAY

Provides data visualization tools that present current national estimates of the incidence, mortality, ...

### CANCER OVER TIME

Undergoing further development; will provide data visualization tools that document the changing ...

### CANCER TOMORROW

A tool that predicts the future cancer incidence and mortality burden worldwide ...

### CANCER CAUSES

An expanding set of visualization tools that links

### CANCER SURVIVAL

Provides comprehensive survival estimates for cancers

Tweets by @GLOBOCAN\_GCO

Global Cancer Observatory (GCO) @GLOBOCAN\_GCO

#GCC0865 125. 28,000 breast cancer cases and 25,000 uterine cancer cases could have been prevented worldwide in 2012 if average BMI levels hadn't increased since 1982. #breastcancer #uterinecancer #wombcancer #cancerprevention

Embed View on Twitter

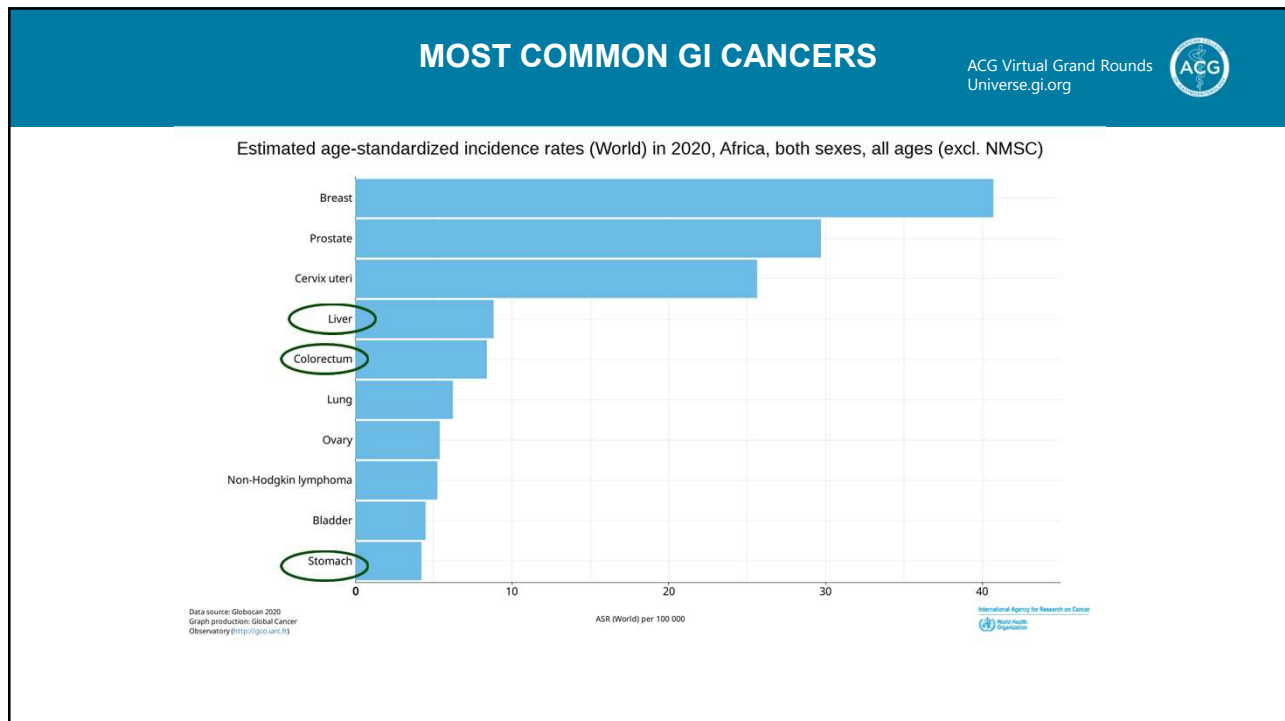
Latest publications

1 Jun 2020  
Colon and rectal cancer survival in seven high-income countries 2010-2014: variation by age and stage at diagnosis (the ICBP SURVNA06-2 project).

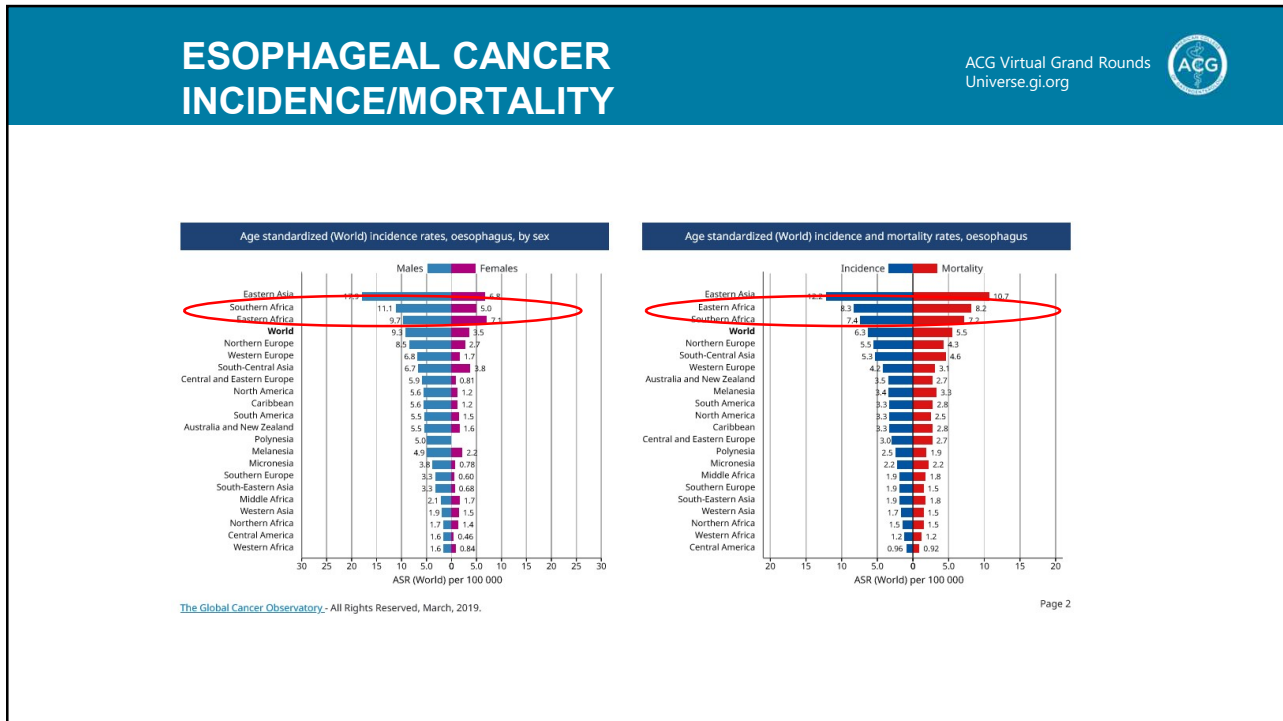
Jun 2020

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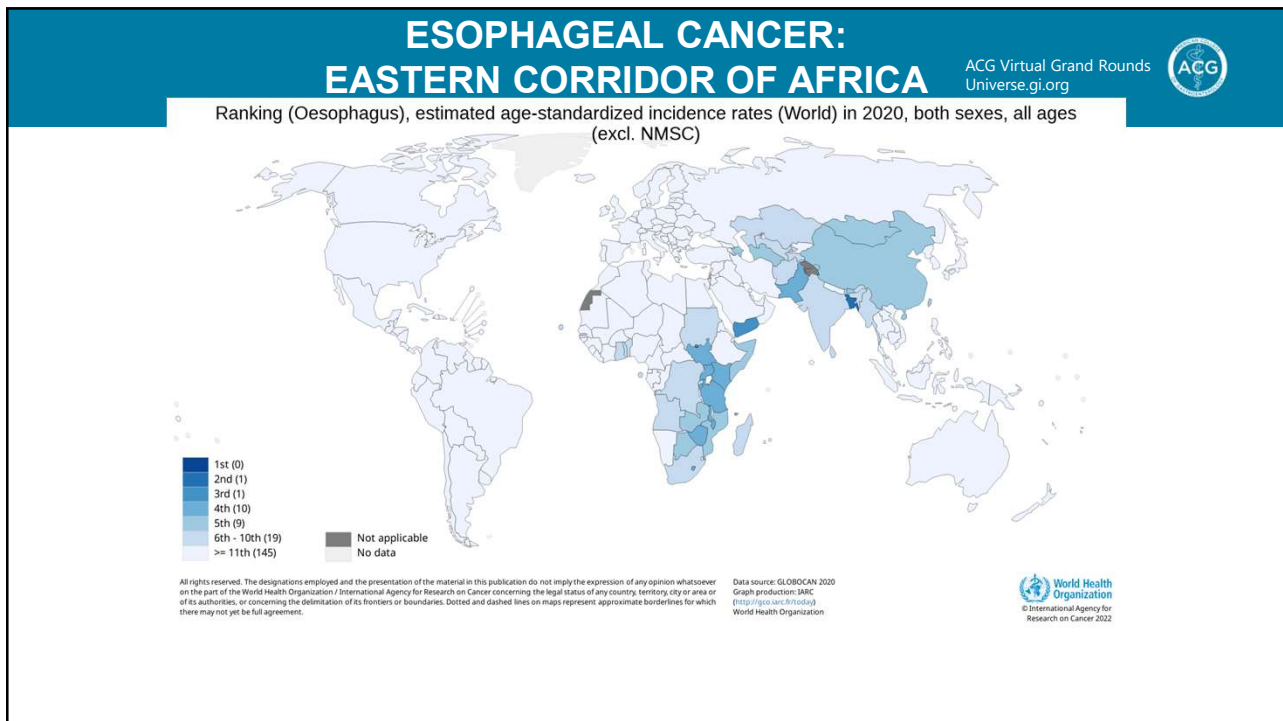
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## ESOPHAGEAL CANCER IN AFRICA

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WJG

*World Journal of  
Gastroenterology*

Submit a Manuscript: <https://www.wjg.com> World J Gastroenterol 2019 August 21; 25(31): 4512-4533  
 DOI: 10.3748/wjg.v25.i31.4512 ISSN 1007-9327 (print) ISSN 2219-2840 (online)  
 SYSTEMATIC REVIEWS

**Systematic review and meta-analysis of esophageal cancer in Africa: Epidemiology, risk factors, management and outcomes**

Akwi W Asombang, Nathaniel Chishinga, Alick Nkhoma, Jackson Chipaila, Bright Nsokolo, Martha Manda-Mapalo, Joao Filipe G Montiero, Lewis Banda, Kulwinder S Dua

- The highest age-standardized rate: Malawi (30.3 and 19.4 cases/year/100000 population for males and females, respectively) followed by Kenya (28.7 cases/year/100000 population for both sexes).
  - USA: 3.3-7.3/100,000
- Incidence rises sharply after the age of 40 years and reaches a peak at 75 years old.
- Risk factors:
  - tobacco consumption (smoking)
  - heavy alcohol consumption
  - drinking hot tea
  - consuming red meat
  - poor oral health
  - low intake of fresh fruit and vegetables
  - low socioeconomic status

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## PROGRAMS AND ENGAGEMENT

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## GASTROENTEROLOGY GLOBAL HEALTH PROGRAM GOALS

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- Partnerships/Collaborations
  - Provide educational and training resources.
  - Exchange programs
- Mentorship
- Clinical
  - Didactics
  - Hands-on endoscopy training
- Research



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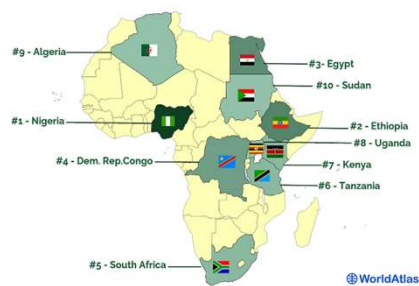
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## PARTNERSHIP: Nigeria

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- NIGERIA: West Africa
- Population
  - 221 million
- Most populous in Africa
- Endoscopy (2018):
  - 110 endoscopists in Nigeria, of whom 2 performed ERCPs.
  - Approximately 100 performed in the prior 15 years.
  - Patients with biliary obstruction underwent surgical intervention or travelled outside the country for medical care.



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## NIGERIA

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- 2017 American Society for Gastrointestinal Endoscopy International Support program
  - Funded by ASGE as faculty
  - Society of Gastroenterology and Hepatology in Nigeria (SOGHIN, Ekiti)
  - Prof Deji Ajayi
  - Prof Olusegun Alatise
    - Obafemi Awolowo University Teaching Hospitals Complex, Ile-Ife
      - AIM:
        - » Establish formal ERCP training program that includes both hands-on and didactic sessions at a tertiary teaching hospital in Nigeria.



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## Obafemi Awolowo University Teaching Hospitals Complex (OAUTHC), Ile-Ife

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- 724- bed capacity hospital in South-West Nigeria.
- Nearest international airport: Lagos, approximately 130 miles away.
- Endoscopy Faculty: 3 gastroenterologists and 2 surgical endoscopists.
- Annual Endoscopic procedures:
  - 350 EGDs and 200 colonoscopies
  - most common indications:
    - EGD: peptic ulcer disease
    - Colonoscopy: rectal bleeding
- First ERCP in OAUTHC was performed in the 1980s by a radiologist.
  - Fewer than 20 cases prior to 2018

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## ERCP Program at OAU, Ife: GOALS AND CURRICULUM

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- **GOAL:** To enhance medical knowledge, endoscopic skills and provide the opportunity for didactic sessions in a multidisciplinary team
- **TEAM:** gastroenterologists, surgeons, anesthesiologists, radiologists, technicians, and nurses.
- **CURRICULUM:** discuss indications, contraindications, and alternatives to management of biliary diseases.
  - Two categories: hands-on bolus sessions and didactic sessions
  - Developed a 1-year program using quarterly formal hands-on training sessions (“bolus”) supervised by an experienced interventional gastroenterologist (Asombang).
  - Didactic sessions: Lectures - indications, contraindications, interventions per case
  - Online journal review (articles emailed monthly)

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## NIGERIA ERCP PROGRAM IMPLEMENTATION

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- Hands-on quarterly, in-country weeklong hands-on ERCP sessions
  - Asombang traveled ~Q3 months over 1 year
  - Experienced interventional technician – Mr Germain Brissett – Session 1
- Digital communication was used to transmit program information and request patient referrals from local specialists (SOGHIN Whatsapp).
- A multidisciplinary meeting is held on day 1 of each session.
- Didactic sessions include monthly emailed journal articles and attendance at a grand round on pancreatitis hosted at Brown University via Skype.



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# RESULTS: PRE-PROGRAM SURVEY

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- Questionnaire:
  - Gender, specialty, years in practice, procedure volume in previous year, and prior ERCP training.
  - All five participants completed the survey.
    - All physician participants are male.
    - Participant years in practice prior to the program ranged from 3 to 11 years (median 8)
    - Number of endoscopic procedures in year prior:
      - EGD - 0 to 400 (median 60)
      - Colonoscopies - 0 to 200 (median 5)
      - \*\*Lifetime ERCPs – One participant had formal ERCP training

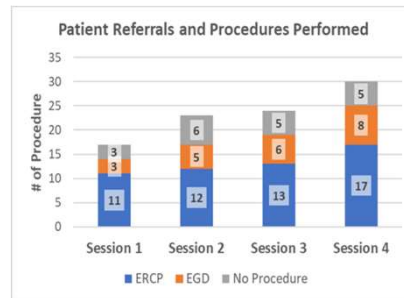
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# RESULTS: Procedures & Patients

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	Week 1	Week 2	Week 3	Week 4
<b>number of patients referred (94)</b>	17	23	24	30
<b>number of procedures performed (75)</b>	14	17	19	25
<b>ERCP performed (53, 56%)</b>	11	12	13	17
<b>EGDs performed (22)</b>	3	5	6	8
<b>Number procedures not performed</b>	3	6	5	5

- age 8-83 (55)
- pancreatic cancer
- choledocholithiasis
- cholangiocarcinoma

2023: ~600 ERCPs

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# BENEFITS/STRENGTHS

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- Research/Publications

- Asombang AW, Alatise OI, Aderounmu AA, Owojuyigbe M, Omisore AD, Brissett G, *et al*. Teaching and pioneering endoscopic retrograde cholangiopancreatography at a tertiary center in Nigeria—Year 1 experience: The apprenticeship model—Is this a viable option for Africa?. *Niger J Gastroenterol Hepatol* 2022

Gastrointestinal Endoscopy  
Volume 85, Issue 6, Supplement, June 2019, Page 484-5

Monday abstract  
Mo1071 TEACHING ERCP IN NIGERIA: MID-YEAR REVIEW OF A "BOLUS" BASED SKILL BUILDING ENDOSCOPY PROGRAM

Abasi Asombang<sup>1</sup>, Oluwagun I. Alatis<sup>2</sup>, Wale Aderounmu<sup>3</sup>, Germain O. Brissett<sup>4</sup>, Emily Green<sup>5</sup>, Jack R. Wards<sup>1</sup>, Kishinder S. Dwy<sup>6</sup>

- Alatise OI, Owojuyigbe AM, Omisore AD, Ndububa DA, Aburime E, Dua KS, Asombang AW. Endoscopic management and clinical outcomes of obstructive jaundice. *Niger Postgrad Med J*. 2020 Oct-Dec;27(4):302-310. doi: 10.4103/npmj.npmj\_242\_20. PMID: 33154282.

**Asombang A**

**FEASIBILITY OF ENDOSCOPIC RETROGRADE CHOLANGIOPANCREATOGRAPHY FOR MANAGEMENT OF MALIGNANT BILIARY OBSTRUCTION IN NIGERIA: A SPECIALISED INTERVENTION IN RESOURCE LIMITED SETTING, OUR 1-YEAR EXPERIENCE**

Asombang A<sup>1</sup>, Aderounmu W<sup>2</sup>, Brissett G<sup>3</sup>, Owojuyigbe A<sup>4</sup>, Omisore A<sup>5</sup>, Alatise O<sup>6</sup>

<sup>1</sup>Warren Alpert Med. School of Brown Univ., <sup>2</sup>Obafemi Awolowo Univ., <sup>3</sup>Beth Israel Deaconess Med. Center

MEETING ROOM 4  
Thursday  
7 November 2019  
13:30–14:30



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# LONGTERM PARTNERSHIP: 2018 - Current

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2023 ↓



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**LAGOS UNIVERSITY TEACHING HOSPITAL, NIGERIA  
WORLD GASTROENTEROLOGY ORGANIZATION (WGO)  
TRAINING CENTER**

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- **WGO Training center mission:**
  - Establish and nurture core training centers for primary and advanced gastroenterology (GI) training in locations of need, thereby improving standard of training at grass roots level while ensuring a focus on regionally relevant diseases
- **PROGRAM LEADS:** Dr Akwi W. Asombang & Dr Ganiyat Oyeleke
- **GOAL**
  - Develop quarterly GI training program with both didactics and hands-on for one year
- **METHOD**
  - Host a one-week session every 3-4 months for one year with repeat cycles of sessions
  - Session 1: March 2022 Colorectal cancer awareness month - Webinar
  - Session 2: June 2022 Didactics and Hands-on with general GI and Advanced (ERCP)-accessories
  - Session 3: October 2022 General GI – focus on GI trainees and nurses
  - Session 4: March 2023 Colorectal cancer awareness month
  - April 2023: Hands-on colorectal cancer awareness workshop at WGO-Lagos & LUTH

**GRANT FUNDING:  
CGH Medical Education and Innovation Development Award.**

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**COLORECTAL CANCER IN AFRICA -  
RAISING AWARENESS**

**WEBINAR - SATURDAY MARCH 12 2022**  
8:00am EST USA / 2:00pm WAT / 3:00pm CAT / 4:00pm EAT

**GRANT FUNDING: CGH Medical Education  
and Innovation Development Award.**

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**MGH-WGO NIGERIA MARCH 2022**

**MEET THE SPEAKERS:**

 <b>PROF. PAUL GOLDBERG MD</b> FAMILY HISTORY AND GENETICS OF COLORECTAL CANCER	 <b>FIDEL RUBAOMYA MD, MMED</b> ROLE OF CHEMOTHERAPY AND RADIATION THERAPY IN MANAGEMENT OF COLORECTAL CANCER	 <b>AHMAD MADKOUR MD, PhD</b> ENDOSCOPIC MANAGEMENT OF COLORECTAL POLYPS
 <b>BETHANY ROSE DAUBMAN MD</b> PALLIATIVE CARE IN COLORECTAL CANCER	 <b>LADLIN KATHODIRA MD, PhD</b> MORBIDITY AND ENDOMIOLOGY OF COLORECTAL CANCER IN AFRICA	 <b>JOHNSON OGUNBARE MPH, PGDE, RN</b> CHALLENGES OF BOWEL PREPARATION IN AFRICA - NIGERIA EXPERIENCE
 <b>HARLAN RICH MD, FACP, AGAF</b> THE HISTORY OF COLONOSCOPY BOWEL PREPARATION	 <b>ADEDAPO OSINOWO MD</b> COLORECTAL CANCER SCREENING AND SURVEILLANCE IN AFRICA	 <b>LARRY AKOKO MD</b> SURGICAL MANAGEMENT OF COLORECTAL CANCER

**SAVE THE DATE**

**COURSE DIRECTORS AND MODERATOR:**

 <b>DR AKWI W. ASOMBANG</b> DIRECTOR GASTROENTEROLOGY GLOBAL HEALTH PROGRAMS MASSACHUSETTS GENERAL HOSPITAL	 <b>DR GANIYAT K. OYELEKE</b> DIRECTOR WORLD GASTROENTEROLOGY TRAINING CENTER, LAGOS UNIVERSITY TEACHING HOSPITAL, LAGOS, NIGERIA	 <b>DR NKENGEH TAZINKENG</b> MEMBER AND MODERATOR SOLIDARITY HOSPITAL, CAMEROON MASSACHUSETTS GENERAL HOSPITAL, USA
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**COLORECTAL CANCER IN AFRICA: SUMMARY OF 2022 SYMPOSIUM PROCEEDINGS**

Akwi W. Asombang, MD, MPH<sup>1,2,3</sup> Nkenghe Tazinkeng, MD,<sup>1,4</sup> Juliana Hoke, MHA,<sup>3</sup> Emuobor Odegho, MD,<sup>5</sup> Adedapo Osinowo, MD<sup>5</sup> and Ganiyat K. Oyeleke, MD<sup>5</sup>

<sup>1</sup>Division of Gastroenterology, Massachusetts General Hospital, USA, <sup>2</sup>Harvard Medical School, USA, <sup>3</sup>Center for Global Health, Massachusetts General Hospital, USA, <sup>4</sup>Solidarity Hospital Buea, Cameroon and <sup>5</sup>Lagos University Teaching Hospital, Nigeria

WEO Digestive endoscopy for Gastroenterologists and endoscopic Surgeons. July 2022 34(5): 1080-1091  
<https://onlinelibrary.wiley.com/doi/full/10.1111/den.14035>

**ACG SCOPY: Service Award for Colorectal Cancer Outreach, Prevention & Year-Round Excellence**

**SCOPY Global Outreach Award**

Massachusetts General Hospital (MGH) Division of Gastroenterology, MGH Center for Global Health, Pan-African Organization for Health, Education and Research, African Association of Future Gastroenterologists, Society of Gastroenterology and Hepatology in Nigeria, World Gastroenterology Organization Training Center, Lagos and Lagos University Teaching Hospital

Colorectal Cancer in Africa (Virtual Symposium) Update

A collective of African GI societies, in conjunction with Massachusetts General Hospital, hosted an international colorectal cancer awareness symposium focused on understanding the magnitude of CRC epidemiology and risk factors in Africa and opportunities to improve screening. The speakers presented a multidisciplinary approach to patient care that included diagnosis, medical management, surgical intervention and palliative care, aiming to address the challenge that most African countries lack structured screening colorectal cancer screening protocols and guidelines, resulting in incomplete epidemiologic data and many preventable cancer cases and deaths. The symposium also created an opportunity for research collaborations in colorectal cancer and endoscopy in Africa.

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## MGH-WGO NIGERIA JUNE 2022

**GRANT FUNDING: CGH Medical Education and Innovation Development Award.**

ACG Virtual Grand Rounds  
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**THE WORLD GASTROENTEROLOGY ORGANIZATION  
TRAINING CENTER, NIGERIA ENDOSCOPY TRAINING  
WORKSHOP FOR TRAINEES AND TRAINERS.**

JUNE 12TH-13TH, 2022: VIRTUAL JUNE 14TH, 2022: HYBRID  
JUNE 15TH-17TH, 2022: IN-PERSON

QUALITY IN  
ENDOSCOPY

CME  
LUTN

Course Director  
**Dr. Abasi W. Asombang**  
Director, Gastroenterology  
Global Health Programs  
Massachusetts General Hospital

Course Director  
**Dr. Olayinka Oyeleke**  
Director, World Gastroenterology  
Training Center Lagos University  
Teaching Hospital, Lagos Nigeria

**SPEAKERS**

<p><b>Dr. Lars Ansbekken</b> Professor &amp; Head of Gastroenterology Oslo University Hospital, Norway Chairman, World Endoscopy Organization Address to Health Affairs (DHS-484)</p>	<p><b>Dr. Moussem Gaber</b> Assistant Professor, Director of Endoscopic Surgery with Intra- operative Endoscopy, General Internal Medicine School, USA</p>	<p><b>Dr. Gauranukulio Subba Raju</b> Professor of Medicine, Consultant Gastroenterologist University of Texas MD Anderson Cancer Center, USA Nanajapat Srinivas Lakshmi-Chief of Medicine</p>
<p><b>Nurse Ayedelehin Olufemi Abiodun</b> Nurse Practitioner, Lagos State Teaching Hospital, Nigeria</p>	<p><b>Dr. Ely O Ogunu</b> Assistant Professor of Medicine, University of Florida, Consultant Gastroenterologist &amp; Director WGO Nigeria Training Center, Nigeria</p>	<p><b>Dr. Abbas Rajuwala</b> Assistant Professor of Medicine, Consultant Gastroenterologist Department of Internal Medicine Mount Sinai (Icahn) School of Medicine, USA</p>
<p><b>Dr. Neema S. Abraham</b> Professor of Medicine, Consultant Gastroenterologist Director of Endoscopy, Cleveland Clinic, Cleveland, Ohio, USA</p>	<p><b>Dr. Abubakari B. Olofinboba</b> Professor of Medicine, Consultant Gastroenterologist, University of Ibadan Teaching Hospital, Nigeria</p>	<p><b>Dr. Robert Sheridan</b> Clinical Director, Consultant Endoscopy, Massachusetts General Hospital, USA</p>
<p><b>Dr. Olusegun I. Afolabi</b> Professor of Surgery, Consultant General Surgery, Osun State University Teaching Hospital, Nigeria</p>	<p><b>Dr. Adedapo Odunwo</b> Lecturer, General Surgery and Lecturer Lagos University Teaching Hospital &amp; College of University of Lagos, Nigeria</p>	<p><b>Dr. Semlie B Thomson</b> Emerita Professor, Division of Gastroenterology, University of Cape Town, South Africa</p>
<p><b>Dr. Olufunmilayo Adeniyi</b> Professor, Gastroenterology Lagos University Teaching Hospital Senior Lecturer University of Lagos, Nigeria</p>	<p><b>Dr. Kenechukwu Chudry-Onwugaje</b> Internal Endoscopy BIC Healthcare USA</p>	<p><b>Dr. Leslie Oshure-Darke</b> Assistant Professor of Gastroenterology Yale School of Medicine, USA</p>
<p><b>Dr. Lemba Balogun</b> Consultant General Surgeon and Internal Medicine Surgeon Lagos University Teaching Hospital, Nigeria</p>	<p><b>Dr. Tillysjo Ojumu</b> Assistant Professor, Division Endoscopy University of Lagos, Nigeria</p>	<p><b>Dr. Rahul Panjala</b> Assistant Professor of Medicine, Consultant Gastroenterologist at the Mayo Clinic, in Arizona, USA Yale Chair, Education Co-Director for the World Endoscopy Organization.</p>

**ORGANIZERS**

**PARTNERS**

**FEES:** \$125,000 (\$50) for virtual and \$180,000 (\$200) in-person (tuition)

Website: [www.globalgastrofoundation.org](http://www.globalgastrofoundation.org)

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## MGH-WGO NIGERIA JUNE 2022

**GRANT FUNDING: CGH Medical Education and Innovation Development Award.**

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- Dr A W Asombang
- Dr Kenechukwu Chudry-Onwugaje (Memorial Hospital Bellevue)
- Dr Rahul Panala (Mayo clinic)
- Kelly Balmer (\*\*ambu)

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# MGH-WGO March & April 2023

**GRANT FUNDING: CGH Medical Education and Innovation Development Award.**

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Office of Continuing Professional Development

Home » MGH-WGO Colorectal Cancer in Africa...

**MGH-WGO COLORECTAL CANCER IN AFRICA UPDATES: RAISING AWARENESS 2023**

March 5, 2023

**COLORECTAL CANCER IN AFRICA SYMPOSIUM: RAISING AWARENESS**

APRIL 25th - 27th 2023

09:00 AM EST USA - 4:00 PM EST USA / 02:00 PM WEST - 10:00 PM WEST

**SPEAKERS**

 <b>Abasi W. Asombang, MD, MPH, Co-Director</b> Co-Director and Epidemiology of Colorectal Cancer in Africa	 <b>Leah K. Katsikis, MEd, PhD, PMP, Co-Director</b> Co-Director of Cancer Screening and Surveillance in Africa	 <b>David Fawcett, MD</b> Co-Director Cancer Screening in 100 African Villages
 <b>Helen Hill, MD, PhD, FRCR, FRCR</b> Based program on global perspective and history	 <b>Carol Burke, MD</b> Assistant to professor of colorectal cancer: influence of family history, genetics, and other risk factors	 <b>Prof Samie Thomson, PhD</b> Assistant to professor of colorectal cancer: influence of family history, genetics, and other risk factors
 <b>Emeka Eze-Ofori, MD</b> Senior Registrar in Africa Nigeria	 <b>Oshin Williams, MD</b> Practice Care in Colorectal Cancer	 <b>Prof Michael, MD, FRCR</b> Advanced Management of Colorectal Polyps: from in Tertiary Center to Primary Care
 <b>Leah Katsikis, MEd, PhD, PMP, Co-Director</b> Co-Director of Cancer Screening and Surveillance in Africa	 <b>Muelier Abiodun, MD - Co-Director</b> The Role of the HCT in CRC Treatment	 <b>Egbeni Emmanuel, MD - Co-Director</b> Current Management of Rectal Cancer - There are more ways than one to do it

**MGH-WGO LASSON NSCD COLORECTAL CANCER IN AFRICA SYMPOSIUM (INCLUDES HANDS-ON SESSION)**

24th April - 27th April 2023

09:00 AM - 05:00 PM West Africa Time (Doors open at 8:00 AM)

World Gastroenterology Organization Training Center-Lagos  
Surgical Skills Centre-LUTH  
Lagos, Nigeria

The Sojourner By Genesis Hotel  
Lagos, Nigeria

**Course Directors & Faculty**

 <b>Abasi W. Asombang, MD, MPH</b> International Gastroenterologist Director, Global Health Programs for Massachusetts General Hospital, USA	 <b>Damaris Oyekunle, MD</b> Consultant Physician, Lagos University Teaching Hospital, Nigeria	 <b>Bosun Keholafe, MD</b> General & Colorectal Surgeon, University Hospital, Lagos, Nigeria	 <b>Murtak Ahmad, MD</b> Consultant Colorectal Surgeon and Lead, Clinician for Colorectal Cancer, Houston, Texas, USA	 <b>Lamine Balogun, MD</b> Consultant Surgeon Teaching Hospital, Nigeria	 <b>Wale Adida, MD</b> Professor of Surgery at the Department of Surgery, Quater Academic University, Nigeria
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**Organizing Committee & Faculty**

 <b>Dr Adedapo Ogunwo</b> Laparoscopic General Surgeon and Lecturer Lagos University Teaching Hospital & College of University of Lagos	 <b>Dr Adekola Adeyeye</b> Consultant General Surgeon and Endoscopy Specialist, Surgical Oncologist, UTH, IHS, Nigeria	 <b>Dr Olorunwa Rotimi</b> Consultant GI and Gut Hepatologists, St James's University Hospital, Leeds, UK	 <b>Dr Memi Muziani</b> Program Director, Advanced Endoscopy Fellowship Program, Florida Center for Gastroenterology, USA	 <b>Prof Samie Thomson</b> University of Natal, South Africa Past Chair of Medical Gastroenterology at Cape Town, South Africa
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**Registration fees:**  
MDT only 30,000 Naira (USD60)  
Hands on + MDT: 100,000 (USD215) (includes lunch) (space limited)

**Registration:**  
1. MDT: <https://www.globalgastrofoundation.org/register>  
2. In-Person and MDT: Pay into 0707141401 Guaranty Trust Bank (GTB) Oredingene Olorunwa Oyinloye  
Once you pay, send your payment details by WhatsApp to 08025380385.

**Program:**  
April 24th, 2023  
Multidisciplinary team (MDT) case discussions  
April 25th to April 27th, 2023  
Gastroenterology Track:  
Colonoscopy  
Surgical Track:  
Wet lab, colorectal cancer surgical cases  
Symposia on management of rectal cancer and anal cancer

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**Learning Objectives**

Upon completion of this activity, participants will be able to:

1. Discuss the trends of colorectal cancer in Africa
2. Summarize updates of colorectal cancer screening and surveillance in Africa
3. Describe the role of multidisciplinary team approach to management of colorectal cancer
4. Describe global and local approaches to bowel preparation in the context of colorectal cancer screening
5. Describe medical and surgical management of colorectal cancer
6. Discuss the role of palliative care in the management of colorectal cancer

**Target Audience**

This activity is intended for doctors, nurses & other members of the healthcare team.

**Accreditation**

In support of improving patient care, Mass General Brigham is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Mass General Brigham designates this live activity for a maximum of 6.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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# GI NURSES & TECHS

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# GI-ENDOSCOPY NURSES and TECHNICIANS

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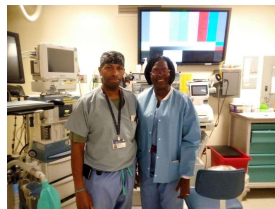


**Team Ife –Nigeria March 2019**



**BIDMC –Harvard  
Nurse Ayedebinu  
(Nigeria)**

**Brown University –  
Lifespan – Rhode Island  
Hospital Johnson  
Ogundare (Nigeria)**



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# MENTORSHIP



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## MENTORSHIP PROGRAMS IN GLOBAL HEALTH

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- – Pan-African Organization for Health Education and Research (**POHER**)
  - Co-founders: Dr AW Asombang (GI) & Dr S Mazimba (cardiology)
  - Mobilize resources and strengthen health in African communities
- African Association of Future Gastroenterologists (**AAFAG**)
  - Founder: Dr AW Asombang
  - Mentorship
  - Advancing and strengthening gastroenterology in Africa
- HOW?
  - POHER Scholars Program – 1:1 mentorship
  - Work in Progress (WIP) meetings: research ideas or completed proposal, grants
  - Webinars, Lectures, Symposium

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## MENTORSHIP: POHER (GI Fellows Engagement)

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### Pan-African Organization For Health, Education and Research (POHER) Educational Series



**"Writing a good abstract: The do's and don'ts"**  
**DATE: Monday May 4th, 2020**  
**TIME: 07:00 am EST USA, 13:00hrs Central Africa Time Zone**  
**GUEST SPEAKER:**  
**Dr. Chung Sang (CS) Tse**  
 Senior Gastroenterology Fellow at Brown University, USA  
 Resident President of the American Women's Medical Association

Course Contact: Dr Comfort Asante, POHER Scholar  
 To reserve a spot and obtain code please email:  
[comfortasante94@gmail.com](mailto:comfortasante94@gmail.com)

### Pan-African Organization For Health, Education and Research (POHER) Educational Series



**ZOOM MEETING**  
**"Introduction to research – What is research?  
 Clinical versus Basic versus translational"**  
**DATE: Monday May 11th, 2020**  
**TIME: 07:00 am EST USA, 13:00hrs Central Africa Time Zone**  
**GUEST SPEAKER:**  
**Dr Jason Pan**  
 Senior Gastroenterology Fellow at Brown University, USA  
 Chief Gastroenterology Fellow 2020-2021

Course Contact: Dr John Muyutu, POHER Scholar  
 To reserve a spot and obtain code please email:  
[johnmuyutu@gmail.com](mailto:johnmuyutu@gmail.com)



Pan-African Organization For Health, Education and Research (POHER)  
 Scholars Program

**Topic: "How to present an article for Journal club"**



**DATE: Saturday April 3<sup>rd</sup>, 2021**  
**TIME: 14:00hrs Central Africa Time/ 08:00 am EST USA**  
**Zoom**


**GUEST SPEAKER:**  
**Dr Breton Roussel**  
 Gastroenterology Fellow at Brown University, USA  
 Former Chief Resident – Internal Medicine, Brown University

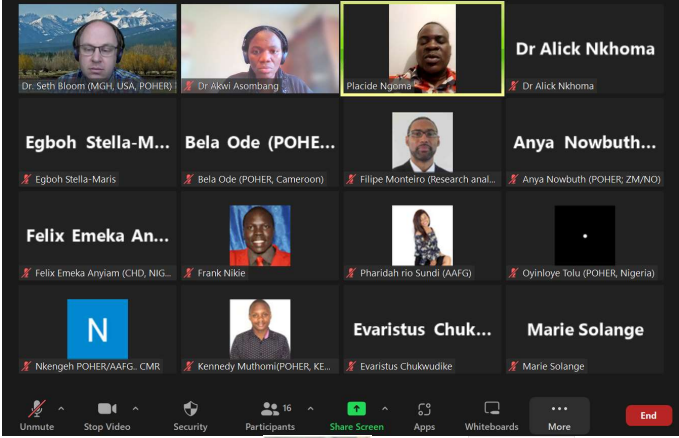
If any questions, please email: [poherofficialmedia@gmail.com](mailto:poherofficialmedia@gmail.com)

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## WORK IN PROGRESS


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**NEXT:**  
May 21<sup>st</sup>, 2023  
09 am EST

  
**Dr Amir Mohareb**  
 Consultant, MGH ID

  
**Dr Seth Bloom**  
 Consultant, MGH ID

  
**Dr Awab Ali Ibrahim**  
 Peds GI, MGIC

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## MENTORSHIP: GI

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**Dr Ethan Pearlstein, Current GI Fellow (mentorship started as resident at Brown University, USA)**



"Epidemiology of Pancreatic Cancer in Africa: A Systematic Review"  
**Ethan F. Pearlstein**, Nkenghe Tazinkeng, Kelsey Sawyer, Evaristus Chukwudike, Comfort Asante, Kanwal Bains, Pharidah Rajan Ibrahim Omar Sundi, Nathaniel Chishinga, Akwi W. Asombang

"Evaluating Trends of Colorectal Cancer Publications in Africa and Correlation with Global Cancer Observatory Epidemiological Data"  
**Ethan F. Pearlstein**, Nkenghe Tazinkeng, Kelsey Sawyer, Whitney Mutalemwa, Comfort Asante, Evaristus Chukwudike, Pharidah Rajan Ibrahim Omar Sundi, Akwi W. Asombang

**Dr Comfort Asante Medical Doctor, Zambia**



"Colorectal Cancer Screening in Zambia, Southern Africa: A national wide Survey on Knowledge, Attitudes, and practices (KAP) Amongst Medical Doctors"  
**Comfort Asante**, Imelda K Moise, Jackson Chipala, Lucky Banda, Ethan Pearlstein, Whitney Mutemwa, Abbas Rupawala, Seke M Kazuma, Akwi W Asombang

\*\*\*DDW 2020 Abstract

**Dr Evaristus S Chukwudike, Gastroenterologist University of Calabar Teaching Hospital, Nigeria**



"Helicobacter pylori (H.pylori) eradication rates and antibiotic resistance pattern in Nigeria, West Africa: A Systematic review."  
**Evaristus S. Chukwudike**, Akwi W. Asombang, Kelsey Sawyer, MS, Nkenghe N. Tazinkeng, Ganiyat K. Oyeleke, Stella-Maris C. Egbob, Avis A. Nowbuth, Terkaa T. Bitto, Crispin M. Mayo, Steven Moss

\*\*\*ACG & ASGE International Training Grant recipient

**Dr Nkenghe Tazinkeng, Medical Doctor, Cameroon**




"Prevalence of and Factors Associated With Hepatitis B and C in an Urban Health District in Cameroon, West Africa: A Cross-Sectional Study"  
**Nkenghe Tazinkeng**, Denis G Teuwafew, Akwi W Asombang, Valrie A Ndiop, **Seth M Bloom**, Alick Nkhoma, **Amir M Mohareb**, Henry Luma

Published


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# AAFG & Mentorship in GI



I'm presenting at  
**ACG 2022**  
JOIN ME in  
Charlotte, North Carolina!

ACG Virtual Grand Rounds  
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**Dear Mouhand Mohamed,**

We are pleased to inform you that the ACG Abstract Selection Committee has selected your abstract listed below for poster presentation at the 2022 Annual Meeting, to be held October 21-26, 2022, at the Charlotte Convention Center in Charlotte, NC.

**D0062: Direct Bilirubinemia Presenting Features of Acute Cholecystitis**  
[Tuesday October 25, 2022](#)  
 10:00 AM – 12:00 PM  
 Your Role: Presenting Author

**D0491: Etiologies of Markedly Elevated Systemic Inflammation: A Systematic Review and Meta-Analysis**  
[Tuesday October 25, 2022](#)  
 10:00 AM – 12:00 PM  
 Your Role: Presenting Author

**D0094: Recurrent Clostridioides difficile Infection**

**Dear Nkengeh Tazinkeng,**

We are pleased to inform you that the ACG Abstract Selection Committee has selected your abstract listed below for poster presentation at the 2022 Annual Meeting, to be held October 21-26, 2022, at the Charlotte Convention Center in Charlotte, NC.

**A0694: Toward a Standardized Approach to the Management of Acute Cholecystitis**  
 Sunday October 23, 2022  
 5:00 PM – 7:00 PM  
 Your Role: Presenting Author

**A0641: Gastrointestinal COVID-19 Infection in Africa: A Retrospective Cohort Study**  
 Sunday October 23, 2022  
 5:00 PM – 7:00 PM  
 Your Role: Presenting Author

**A0464: Prevalence and Risk Factors for Hospitalizations for Suicide, and Self-Inflicted Injuries in Patients With Cirrhosis: A Systematic Review and Meta-Analysis**  
 Sunday October 23, 2022  
 5:00 PM – 7:00 PM  
 Your Role: Presenting Author

**Dear Khaled Elfert,**

We are pleased to inform you that the ACG Abstract Selection Committee has selected your abstract(s) listed below for poster presentation at the 2022 Annual Meeting, to be held October 21-26, 2022, at the Charlotte Convention Center in Charlotte, NC.

**A0273: Spectrum of Endoscopic Findings in Patients With Helicobacter pylori Infection in a Nigerian Tertiary Care Institution**  
 Sunday October 23, 2022  
 5:00 PM – 7:00 PM  
 Your Role: Presenting Author

Posters will be presented BOTH in-person in Charlotte, as well as online in the ePoster Hall during and after ACG 2022. ALL Poster Presenters are REQUIRED to display their printed posters in-person in Charlotte, as well as provide an ePoster for the virtual ePoster Hall along with a 3-minute narration.

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# PARTNERSHIPS/MENTORSHIP: FUNDING



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**Dr Evaristus S. Chukwudike**

- Gastroenterologist, University of Calabar Nigeria
- African Association of Future Gastroenterologists (AAFG) Research Committee Co-director
- 2021 American College of Gastroenterology International Training Grant Recipient
- GLOBAL HEALTH TRAINING SITE: Rhode Island Hospital/Brown University, Division of Gastroenterology, USA



**Dr Stella-Maris Egboh Chinma**

- Gastroenterologist, Federal Medical Center Yenagoa, Nigeria
- 2022 American Society for Gastrointestinal Endoscopy (ASGE) Endoscopy Training Award Recipient
- GLOBAL HEALTH TRAINING SITE: Massachusetts General Hospital Division of Gastroenterology, USA

- 2023 ASGE Endoscopic Training Award
  - TRAINING SITE:
    - Kasturba Medical College, India
- 2022 Berenson International Scholarship in Advanced Endoscopy recipient
  - Beth Israel Deaconess Medical Center & Harvard
  - Drs T Berzin, M Sawhney, D. Pleskow and M Gabr
- 2022 ACG International Training Grant recipient
  - TRAINING SITE
    - MGH

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# PARTNERSHIPS - MOU

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**MANIPAL**  
ACADEMY OF HIGHER EDUCATION  
Dedication of Excellence Devoted to the University



**MASSACHUSETTS GENERAL HOSPITAL**  
GASTROENTEROLOGY



**UNIVERSITY OF CALABAR**  
TEACHING HOSPITAL  
(UCTH)



**MASSACHUSETTS GENERAL HOSPITAL**  
GASTROENTEROLOGY

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**MANIPAL ACADEMY OF HIGHER EDUCATION (MAHE)**  
On behalf of its constituent unit  
**KASTURBA MEDICAL COLLEGE (Department of Medical Gastroenterology and Hepatology)**

**AND**

**THE GENERAL HOSPITAL CORPORATION**  
**D/B/A MASSACHUSETTS GENERAL HOSPITAL (MGH)**

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**UNIVERSITY OF CALABAR TEACHING HOSPITAL (UCTH)**

**AND**

**THE GENERAL HOSPITAL CORPORATION**  
**D/B/A MASSACHUSETTS GENERAL HOSPITAL (MGH)**

This Memorandum of Understanding (MOU) is entered into on 12<sup>th</sup> December, 2022 between University of Calabar Teaching Hospital (UCTH) and The General Hospital Corporation (d/b/a Massachusetts General Hospital, MGH).


- Strengthening GI training
- Exchange program
  - Research
  - Mentorship


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# MGH-UCTH-KMC

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**CONGRATULATIONS DR. EVARISTUS CHUKWUDIKE**  
(University of Calabar Teaching Hospital, Nigeria)  
**2023 ASGE ENDOSCOPIC TRAINING AWARD!**

**MENTORS:**  
Dr. Akwei W Asombang (Massachusetts General Hospital, Harvard Medical School, USA)  
Dr. Shiran Shetty (Kasturba Medical College, Manipal Academy of Higher Education, India)

**TRAINING SITE:**  
Kasturba Medical College, India



**ASGE**  
Advanced Learning for Endoscopy Training  
MEMORANDUM OF UNDERSTANDING  
BETWEEN  
UNIVERSITY OF CALABAR TEACHING HOSPITAL (UCTH)  
AND  
THE GENERAL HOSPITAL CORPORATION (MGH)

March 22, 2023  
Evaristus Sunday Chukwudike, MD  
The University of Calabar Teaching Hospital, Nigeria


Dear Dr. Chukwudike,  
It gives me great pleasure to inform you that you are a recipient of the 2023 ASGE Endoscopy Training Award. Congratulations!

Over again, congratulations on your selection. We believe your training experience will be a rewarding one.

Sincerely yours,  
*Mustafa Ibrahim*  
Mustafa Ibrahim, MD, FRCPC  
Chief, ASGE International Calabar


MGH-UCTH-KMC Collaboration #globalhealth #globalgastro

TEAM Prepping for history! #ACGVR International #globalhealth #globalgastroenterology



Dr. Prasanna Kapavarapu (Children's Hospital of Philadelphia, USA) | Dr. Akwei W Asombang (Massachusetts General Hospital, USA) | Dr. Evaristus Chukwudike (University of Calabar Teaching Hospital, Nigeria) | Dr. Joseph Itoaboh (University of Calabar Teaching Hospital, Nigeria)

**JOIN US**



**ACG VIRTUAL GRAND ROUNDS INTERNATIONAL**  
Prasanna Kapavarapu, MD  
eGIE in Podiatrics  
Wednesday, April 19 at 10:00 am ET  
Register gi.org/ACGVR

In collaboration with the University of Calabar Teaching Hospital, Nigeria #GItoothstooling

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**Mentorship: working with mentor – Rwanda**  
**Medical College of Wisconsin, USA (Prof Kulwinder Dua) &**  
**University Teaching Hospital of Kigali & King Faisal Hospital**

ACG Virtual Grand Rounds  
 Universe.gi.org 




Dr Hanna Aberra  
 GI Fellowship  
 Program Director

GI Fellows


- Dr Dyna Nyampinga
- Dr Zainab Ingabire
- Dr Marie Solange Mukanumye
- Dr Felicien Shikama

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# CHALLENGES



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**CHALLENGES/LIMITATIONS: LOCAL**


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ENDOSCOPY
Lack of functioning equipment
Lack of disinfection supplies
Availability of accessories

61 Mwachiro M, et al Endosc Int Open. 2021

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**CHALLENGES/LIMITATIONS: LOCAL**

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ENDOSCOPY	FACILITY
Lack of functioning equipment	Time constraints
Lack of disinfection supplies	Space constraints
Availability of accessories	Unpredictable electricity
	Lack of pathology services

62 Mwachiro M, et al Endosc Int Open. 2021

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## CHALLENGES/LIMITATIONS: LOCAL

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ENDOSCOPY	FACILITY	PERSONNEL
Lack of functioning equipment	Time constraints	Lack of trained endoscopists
Lack of disinfection supplies	Space constraints	Lack of support staff
Availability of accessories	Unpredictable electricity	
	Lack of pathology services	

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Mwachiro M, et al Endosc Int Open. 2021

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## CHALLENGES/LIMITATIONS: LOCAL

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ENDOSCOPY	FACILITY	PERSONNEL	COST
Lack of functioning equipment	Time constraints	Lack of trained endoscopists	Lack of insurance coverage for endoscopy services
Lack of disinfection supplies	Space constraints	Lack of support staff	Initial cost of purchasing endoscopy equipment
Availability of accessories	Unpredictable electricity		Cost of maintaining endoscopy equipment
	Lack of pathology services		Patients are unable to pay endoscopy fees

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Mwachiro M, et al Endosc Int Open. 2021

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## CHALLENGES/LIMITATIONS: LOCAL

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ENDOSCOPY	FACILITY	PERSONNEL	COST	REGULATORY
Lack of functioning equipment	Time constraints	Lack of trained endoscopists	Lack of insurance coverage for endoscopy services	Obtaining governmental approval to offer endoscopy services
Lack of disinfection supplies	Space constraints	Lack of support staff	Initial cost of purchasing endoscopy equipment	Governmental purchase of endoscopy equipment for facility
Availability of accessories	Unpredictable electricity		Cost of maintaining endoscopy equipment	Obtaining governmental approval to offer endoscopy services
	Lack of pathology services		Patients are unable to pay endoscopy fees	

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## CHALLENGES/LIMITATIONS: GLOBAL

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- Revenue Loss – productivity
- Program implementation: personnel and logistics.
  - Personnel:
    - Familiarity with advanced endoscopy (ERCP/EUS) – procedure understanding (indications, contraindications, quality metrics, infection control and safety), communication
  - Logistics
    - Challenges using equipment: ie C-arm
    - Consumables/accessories – limited industry support

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## CHALLENGES: PARACHUTE RESEARCHER

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- “Fly-in/Fly-out researcher”
- “The one who drops into a country, makes use of the local infrastructure, personnel, and patients, and then goes home and writes an academic paper for a prestigious journal.”
- Exploitative research: individuals from predominantly HICs extract data and knowledge from predominantly LMICs without due acknowledgment of local partners and collaborators
- Academic pressure: “Publish or perish”
- Opportunities for research contribution:
  - Design – cultural context
  - Patient recruitment, treatment in existing facilities, and follow-up
  - Data analysis
  - Manuscript

Closing the door on parachutes and parasites. The Lancet Global Health. 2018  
Sheel M, Kirk MD. Lancet Glob Health. 2018  
Smith J. Lancet Glob Health. 2018.

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## CHALLENGES: PARACHUTE RESEARCHER

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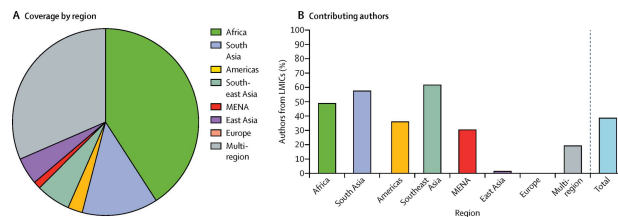
### Iyer AR. Authorship trends in The Lancet Global Health. *Lancet Glob Health*. 2018

**Background:** *The Lancet Global Health's* stated purposes is to represent “disadvantaged populations” in health-related scenarios around the world.

**Aim:** analyze to what extent the journal succeeds in its aim

**Method:** research articles June 2013–July 2017

**Results:** 236 articles, only ~35% of the authors were affiliated with or came from LMICs



Iyer AR. Authorship trends in The Lancet Global Health. *Lancet Glob Health*. 2018

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## CHALLENGES:

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- **Safari researcher**
  - One that recruits LMIC specialists, with minimum involvement, into studies driven by HIC authors for perceived credibility...
- **Guest authorship**
  - Adding authors who did not contribute substantially to the work
- **Ghost authorship**
  - Omitting authors who have contributed substantially to the work

Sumathipala A et al. *BMC Med Ethics*. 2004  
Iyer AR. *The Lancet Global Health*. 2018  
Rohwer A, Young T, Wager E, Garner P. *BMJ Open*. 2017

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## BENEFITS, STRENGTHS & SOLUTIONS



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## BENEFITS & STRENGTHS

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- Successful programs - Local team lead :
  - dedicated, positively ambitious and organized
- Hospital administrative support
  - Financial support
- Multidisciplinary meeting to review cases at the beginning of each work week -educational
- Continuity of faculty (anesthesiologist/radiologist) – skill transfer
- Sustained service that provides care for patients

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## STRENGTHENING GLOBAL HEALTH

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- Discourage global health "voluntourism"
  - Teach trainees/graduates what they must NOT do, when they go to LMICs.
- Complete a course in global health
- Predeparture training
  - Cross-cultural effectiveness and cultural humility
  - Bidirectional participatory relationships
  - Local capacity building, long-term sustainability
  - Respect for local expertise and leadership
  - Allyship and privilege
  - All HIC trainees and experts must learn to listen and be humble.

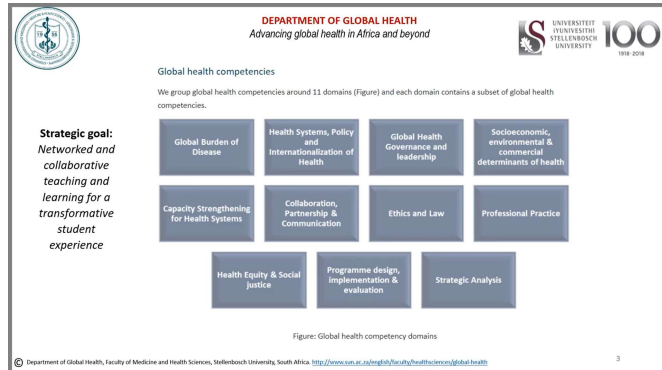
10 Fixes for Global Health Consulting Malpractice | Global Health NOW  
Closing the door on parachutes and parasites. The Lancet Global Health. ( 6) 6, E593, JUNE 01, 2018

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# GLOBAL HEALTH COURSE

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**DEPARTMENT OF GLOBAL HEALTH**  
Advancing global health in Africa and beyond

**SHORT COURSE**  
**INTRODUCTION TO GLOBAL HEALTH**

This short course aims to provide academic staff, students, researchers, reviewers and editors with the understanding of the global health within the African context and beyond.

**10 INTERACTIVE ONLINE LEARNING SESSIONS + 5 ONLINE DISCUSSION SESSIONS**

- Introduction to Global Health
- Global Health priorities and Sustainable Development Goals (SDGs)
- Health Inequalities in Global Health context
- Priority and Vulnerable Populations
- Global Health Actors and Networks
- Health Systems, Services, Resources, Programs
- Trade, Policy and Global Health
- Globalization and emerging infectious diseases
- Environment, climate change and Global Health
- Global Health Protection and Security

Course Leader: Prof René English      Departmental Head: Prof Taryn Young

NQF Level: Entry Level 8      30 CPD Points      Course fees: R 3000

Last date for application: 22 July 2022      Program Start Date: 8 August 2022      Program End Date: 27 October 2022

**For completion of the course it is mandatory that participants attend all the online discussion sessions.**  
All participants need access to a laptop/notebook computer and internet.  
A formal certificate of attendance will be issued upon successful completion of the course.

**APPLY HERE**

The Department of Global Health collaborates across disciplines and sectors to address complex health problems.

For more details please visit our website: <http://www.sun.ac.za/english/faculty/healthsciences/global-health>

For any enquiries and application forms please contact **Chanelle Windvogel** email: [chanelle@sun.ac.za](mailto:chanelle@sun.ac.za)

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# SOLUTIONS

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- Collaboration and bilateral exchange as core
  - Build foundation – local infrastructure
  - Skill transfer
  - Establish long-term goals
- Partnerships with industry:
  - Medical device companies
  - Accessories/consumables
- GI Society Funding
  - ACG International Training Grants
  - ASGE Endoscopic Training Awards

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## CONCLUSION

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- Partnership – collaboration: not one-way traffic
- Set realistic program goals
- Development of gastroenterology services
  - Consider local prevalence of diseases
  - Availability of resources
- Personal goal: determine time allotment (monthly split: 10/2, 8/4, 6/6)
- Maintain respect and support
- Collaborate on research
- Collaborate on funding opportunities
- Avoid parachute research, avoid safari research
- Build capacity, develop sustainable programs
- **Global health is not a vacation**

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## THANK YOU - QUESTIONS

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**THANK YOU: American College of Gastroenterology  
MGH Division of Gastroenterology, Center for Global health, and  
Center for Diversity and Inclusion**



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## Questions



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Mmeyerabasi Omede, MD

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