

Introduction to Global Child Health
Children's National Health System, Washington, DC
September 18-22, 2017

OVERALL OBJECTIVES

- Prepare participants for future international elective experiences or work in a developing country setting
 - Increase exposure to global health issues including health care delivery, disease management and resource allocation
 - Increase knowledge of epidemiology, diagnosis and management of common illnesses and tropical diseases affecting children in developing countries
 - Provide exposure to local health care professionals working in the fields of global health research, policy and clinical care
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SPECIFIC OBJECTIVES

Each of the following sessions is designed to meet specific objectives of the Global Health Curriculum:

MONDAY, SEPTEMBER 18

Case Discussion: Acute Respiratory Infection

Dr. Kristen Breslin, Children's National

- Develop a differential diagnosis for children presenting with respiratory distress in developing countries
- Outline the evaluation, diagnosis and management of patients in limited resource settings
- Describe WHO guidelines for managing acute lower respiratory tract infections in children

Global Nutrition: Translating Knowledge into Application and Impact

Dr. Lindy Fenlason, USAID

- Define "Global Health"
- Describe "The Malnutrition Spectrum" and its 3 faces
- List 2 potential causes of malnutrition in individuals
- Identify nutrition status based on data
- For each form of malnutrition, describe: one classic physical finding, one core physiologic factor to influence management, and one core social factor to influence management
- Identify one way you will apply your new knowledge

Career Guidance in Global Health: Discovering our Path; Staying on Course

Dr. Lindy Fenlason, USAID

- Listen and reflect on your answers to the proposed questions
- Apply this information by experimenting with these models: populating them based on your knowledge of yourself and your goals
- Construct a working life/career "mission statement"

Malaria in Children

Dr. Matthew Laurens, University of Maryland

- Describe the epidemiology and burden of disease of childhood malaria in the world
- Identify the common clinical presentations of malaria in children, including severe malaria
- Describe how malaria is diagnosed
- Identify the current treatment recommendations and issues with drug resistance
- Identify strategies to prevent malaria in children in endemic areas

Rheumatic Heart Disease

Dr. Andrea Beaton, Children's National

- Recognize acute rheumatic fever and rheumatic heart disease as an important cause of childhood morbidity and mortality.
- Identify the multiple financial, workforce, and logistical barriers to screening for disease in low-resource settings.
- Describe how to shape research questions to address public health implementation planning in low-resource settings.

Preparing For Your International Elective

Dr. Binny Chokshi, Children's National Health System

- Identify and utilize the resources needed to prepare for an international rotation or work in a less developed country

TUESDAY, SEPTEMBER 19

Newborn Survival

Dr. Bina Valsangkar, Save the Children

- Describe the epidemiology of newborn mortality in developing countries including causes and risk factors, and understand how this population differs from the under-5 population
- Recognize the role of maternal health in newborn survival
- Identify strategies and programs to improve newborn survival

Getting Started with a Career in Global Health

Dr. Bina Valsangkar, Save the Children

- Discuss practical strategies for global health career development

Pediatric Neurology in Global Health

Dr. Marc DiFazio, Children's National Health System

- Describe the current epidemiologic data related to brain disorders in the Transitional/Developing World
- Characterize the particular challenges of Epilepsy in the developing world, specifically, why Epilepsy is more prevalent, and more consequential
- List several reasons why there is an urgent need for educational interventions for families, patients and physicians re: brain disorders in the Developing world

Overseas Elective Experience: Laos

Dr. Mattia Chason, Kaiser Permanente

- Describe the experience of working at the “Lao Friends Hospital for Children” as a visiting senior pediatric resident

Healthcare for Unaccompanied Minors

Dr. Shaanan Meyerstein, Office of Refugee Resettlement

- Recognize the complexities of child migration examining the recent influx of Unaccompanied Children from Central America to the United States
- Identify the role of the Department of Health and Human Services in caring for Unaccompanied Children
- Highlight specific clinical, medico-legal and ethical challenges of Providing Care to Unaccompanied Children

Case Discussion: Diarrhea and Dehydration

Dr. Jennifer Chapman, Children’s National Health System

- Know how to assess children with diarrhea and dehydration
- Know the most current guidelines and practice for managing diarrhea and dehydration in the developing world
- Understand how to evaluate, diagnose and manage patients in limited resource settings

Ethics Case Discussion

Drs. Eiman Abdulrahman, Jennifer Chapman and Lineo Thahane, Children’s National Health System

- Recognize ethical issues that commonly arise in international volunteer work
- Understand how to address ethical problems that are related to volunteer work and patient care in developing countries

WEDNESDAY, SEPTEMBER 20

Case Discussion: Pediatric Tuberculosis

Dr. Chloe Turner, Unity Health Care & Dr. Kalpana Manthiram, NIH

- Recognize the common clinical presentations of TB in children
- Discuss the diagnosis of TB in children in developing countries
- Describe the approach to treatment of pediatric TB in resource limited settings

Immunizations and Vaccine-Preventable Diseases

Rebecca Fields, MPH, JSI

- Understand the current status of vaccine-preventable diseases in the developing world and their impact on childhood illness and mortality
- Know the immunizations that are provided in developing countries and the guidelines of the WHO EPI program
- Recognize successes and current challenges in controlling/eradicating VPDs
- Identify challenges to introducing new vaccines into developing countries

Pediatric Dermatology in Resource-Limited Settings

Dr. Scott Norton, Children’s National Health System

- List the most prevalent skin conditions in children in developing nations
- Recognize the economic and societal influences on outbreaks of skin diseases
- Identify ways to determine which medications are available for use in resource-poor settings

Malaria Lab Practicum

Dr. Cyril Jacquot, Dr. Ed Wong and CNHS Lab Team

- Understand the use of thick and thin smear in diagnosing malaria
- Identify malaria parasites in blood smears

THURSDAY, SEPTEMBER 21

Child Survival

Dr. Troy Jacobs, USAID

- Describe the epidemiology of child morbidity and mortality worldwide and by region
- Identify risk factors for child mortality
- Become aware of international policies/strategies to improve child survival

Global Pediatric HIV: Epidemiology and Diagnosis

Dr. Kathy Ferrer, Children's National Health System

- Describe the epidemiology of HIV in children in developing countries
- Identify common clinical presentations and methods of diagnosis of pediatric HIV

Global Pediatric HIV: Treatment and Prevention

Dr. Lineo Thahane, Children's National Health System

- Know the general approach and barriers to treating children with HIV
- Describe HIV prevention strategies

Parasitic Diseases in Children

Dr. David Diemert, George Washington University and Sabin Vaccine Institute

- Know the parasitic infections that most commonly cause disease in children
- Recognize the clinical manifestations of these diseases and know how to diagnosis them
- Identify treatment and control strategies for parasitic infection, specifically intestinal helminthes
- Develop awareness of international policies/strategies toward control of parasitic infections

Emergency Triage Assessment and Treatment (ETAT)

Dr. Kristen Breslin, Dr. Jennifer Chapman, Dr. Eiman Abdulrahman & GPEM Team, Children's National Health System

- Describe the variations in triage seen in the developing world
- Organize children into priority categories in low-resource and tropical settings
- Manage emergency signs according to the World Health Organization ETAT guidelines
- Discuss current evidence on the impact of triage, patient flow, and emergency treatment on early and total hospital mortality rates

FRIDAY, SEPTEMBER 22

Introduction to Global Health Policy

Dr. Ryan Phelps, USAID

- Gain familiarity with several key global health policies impacting children
- Better understand pediatric health policy career paths

Case Discussion: Fever

Dr. Tiffany Perkins, Children's National Health System

- Develop a differential diagnosis for children presenting with fever in developing countries
- Identify how to evaluate and diagnose patients presenting with fever in resource limited settings
- Describe management of children presenting with fever in resource limited settings

Malaria: Interactive e-Module

Dr. Barbara Jantusch, Children's National Health System

- Describe the epidemiology of the four main types of malaria
- Explain how to diagnose a pediatric patient with malaria
- Formulate an appropriate treatment regimen for a pediatric patient with malaria

Pediatric Tuberculosis: Diagnosis and Management in Developing Countries

Dr. Nathalie Quion, Children's National

- Describe the epidemiology/burden of disease of TB in children in the developing world
- Understand challenges to preventing and treating TB in developing countries
- Identify public health approaches to treating TB in developing countries