**Global Health Program (GHP) at Meenakshi Mission Hospital & Research Centre**

(MMHRC) at Madurai, India

**Overview:**

MMHRC is large non-profit tertiary care hospital with 700 beds in the city of Madurai, which is located at the centre of southern Tamil Nadu. It has most tertiary care facilities including open-heart surgery, interventional cardiology, renal transplant and hematopoietic stem cell transplant, pediatric hematology-oncology, pediatric ICU, pediatric surgery, in-vitro fertilization, neurosurgery, lapaproscopic gastrointestinal surgery, Emergency Medicine, Orthopedic surgery etc.

 Madurai is a historic city with a population of one million and many landmarks of interest such as Meenakshi amman Temple, Thirumalai Nayak Mahal, Gandhi museum etc.

**Global Health Program (GHP)**

Our GHP has evolved from years of experience in a structured program offered to premedical students from the University of Iowa and from an informal rotations offered to medical students and residents from New York Medical College, Valhalla, New York.

This proposed GHP will offer electives for 1st and 2nd year medical students during summer session; and for the 3rd and 4th year students throughout the year, beginning summer of 2015. It is available for international medical students who are looking to expand their knowledge in the area of global health, particularly regarding

1. the state of medical care offered in various disciplines like medicine, surgery, obstetrics and gynecology; emergency medicine, pediatric surgery, pediatric hematology-oncology, and
2. patterns of health care delivery and health care coverage in India.

The students can select four areas among the more than 10 specialties for their rotation and spend a week in each discipline for a total of 4 weeks and. The areas of medicine included in this GHP include: Internal Medicine, Surgery, Nephrology, Obstetrics & Gynecology, Emergency Medicine, Orthopedic surgery, Pediatrics, Pediatric Surgery, Pediatric Hematology-Oncology, and Medical Oncology.

**Program Requirements**

1. Student application, submitted at least 3 months in advance of the requested start date.
2. Letter of recommendation from the student’s school.
3. Record of required immunizations
4. Proof of health insurance
5. Cost of the program: Rooms will be provided for the students within the hospital campus at a subsidized cost—approximately S10 per day; and meals will be provided at no cost.

**Program for the First and Second year medical students**

a) The students will rotate through four of the disciplines of their choice – in which they will

* attend in-patient rounds and out-patient clinic
* observe history taking and physical examination by residents and/or attending physicians ( registrars and consultants)
* observe surgery and other procedures;
* participate in history taking and physical exam to a limited extent at the discretion of the senior physicians they are working with
* write summary of patient’s clinical course when requested by the supervising physicians
* attend teaching conferences within the department where they work
* if time permitting, participate in the writing of any case report for publication

b) Students will have an opportunity to do some sight seeing of this historic city (Madurai) during weekends (Saturday afternoons and Sundays)

c) Students will also write a brief report of their experience which could help us improve the program.

**Program for the Third and Fourth year medical students**

a) The students will rotate through four of the disciplines of their choice – in which they will

* attend in-patient rounds and out-patient clinic
* observe history taking and physical examination by residents and/or attending physicians (registrars and consultants)
* perform history taking (with the help of interpreters if necessary); and perform physical examination under the supervision of residents and/or attending physicians (registrars and consultants) at the discretion of the senior physicians they are working with
* observe surgery and other procedures;
* write summary of patient’s clinical course when requested by the supervising physicians
* attend teaching conferences within the department where they work
* if time permitting, participate in the writing of any case report for publication

b) Students will be given an opportunity to do some sight seeing of this historic city (Madurai) during weekends (Saturday afternoons and Sundays)

c) Students will also write a brief report of their experience which could help us improve the program.

c) At the completion of the rotation(s), the students will do a case presentation and or write a report of a relevant case they followed during their rotation(s) in Madurai.

d) Research opportunities are available during their rotation time. Students interested in doing any clinical research should meet with Dr. Somasundaram Jayabose of Pediatric Hematology-Oncology at the Rutgers Cancer Institute of New Jersey and at the Bristol-Myers Squibb Children’s Hospital, New Brunswick, NJ. (sj533@cinj.rutgers.edu) at least a month before starting their elective and plan their research activity.

The program will have two student counselors/coordinators and one at Robert Wood Johnson Medical School.

Somasundaram Jayabose, MD

Attending physician, Division of Pediatric Hematology-Oncology

Rutgers Cancer Institute of New Jersey

Bristol Myers Squibb Children’s Hospital at RWJUH

Professor of Pediatrics, Robert Wood Johnson Medical School.

Tel: 732-235-5437; fax: 732-235-8234

Email: sj533@cinj.edu; cellphone: 732-395-0137

Dr.Aravindan Chandrasekaran, MS, MCh

Consultant and Chief, Pediatric Surgery

Meenakshi Mission Hospital and Research Centre, Madurai

scaravindu@gmail.com

Dr. Senthil Kumar, MD,

Consultant and Chief, Pediatric Critical Care

Meenakshi Mission Hospital and Research Centre, Madurai

senthilsmc@yahoo.co.in

Submitted by

Somasundaram Jayabose, MD

Professor of Pediatrics, Robert Wood Johnson Medical School

Attending physician, Division of Pediatric Hematology-Oncology

Rutgers Cancer Institute of New Jersey

Bristol-Myers Squibb Children’s Hospital at RWJUH