

DEPARTMENT OF MEDICINE



Professor Michael Gibson Lee, MB.BS *UWI*, DM
(Internal Medicine) *UWI*, FRCP(C), FACP, FACG, FRCP *Edin*
Head of Department

WORK OF THE DEPARTMENT

The Department of Medicine continued its mission of excellence in teaching, engaging in research which is relevant, providing service work and outreach while experiencing several challenges during the period August 1, 2012 to July 31, 2013.

TEACHING

Undergraduate

The increased number of Undergraduate students in the MBBS program continues to be one of the major challenges for the Department. The University Hospital of the West Indies (UHWI), which is the main teaching facility for clinical teaching, has limited space and facilities with

limited patient numbers. In addition, the shortage of resources at the UHWI is causing major challenges for patient care which affects teaching. However, the dedicated staff managed the challenges and coped with the increased number of students in the Introduction to Medical Practice (IMP) and the third year clinical clerkship.

Most of the clinical students were assigned to the UHWI, which includes all of the second year IMP students and two thirds of the third year clerkship students. In addition to UHWI, the 5th year students were assigned to the peripheral hospitals including; Kingston Public Hospital (KPH), the Cornwall Regional Hospital and the Mandeville Regional Hospital. Teaching began, albeit slowly at the Spanish Town Hospital in 2012, but problems with inadequate staffing continues to pose a challenge. The Associate Lecturers at the peripheral institutions, despite their busy clinical schedule, continue to do an excellent job in teaching the students. The feedback from the students at the peripheral teaching sites remains good.

The 3rd year clinical students were divided between KPH (one-third) and the UHWI (two-thirds). The majority of Associate Lecturers at KPH have performed extremely well despite their heavy service load.

The teaching for the MBBS clinical programme in Medicine has transformed from a mixture of large class didactic teaching to predominantly small group teachings with an emphasis on patient and problem oriented learning. In addition to the small group assignments there are scheduled teachings to students at the different sites on a daily basis. The guidelines for the clerkships have been updated and the topics for the daily teachings standardized.

The Introduction to Medical Practice (IMP 2) had a class size of approximately 310 students. Although there were problems with adequate space and staffing for the small group activities, the clerkship was completed satisfactorily.

The main May/June (2013) MBBS final examination was conducted very successfully and of the 142 students taking the Medicine examination 133 (94%) passed with 1 obtaining Honours. For the November/December

2012 final MBBS examination all 19 students from the Mona campus passed the Medicine examination.

The increased number of students doing the clinical examination is creating challenges with increasing time and personnel needed and an increase in expenditure.

Postgraduate

The postgraduate DM programme in Medicine has been training specialists in Internal Medicine for Jamaica and the Caribbean for over forty years despite a lack of funding for the programme. The success of the programme is due mainly to the staff being committed to training these postgraduate students.

With the increasing number of undergraduate students in the MBBS programme there is an urgent need to increase the number of DM students but the UHWI is presently financially constrained to implement this increase. Also, Government sponsored postgraduate students have diminished.

There is a need to train subspecialists and the department is to start Fellowship subspecialty training as soon as qualified applicants are available. Nephrology Fellowship training has started and there has been four graduates. Approval has been obtained to start training in Cardiology and Gastroenterology. There are advanced plans for starting Fellowship training in Infectious Disease.

RESEARCH

Research which is relevant is a priority. All members are encouraged and expected to do research and publish papers. The research output has been variable but has increased over the past two years.

There is an urgent need to refurbish the non-functional laboratory in the department but this has been delayed because of financial constraint.

CONTINUING MEDICAL EDUCATION

The Department of Medicine hosted a successful Cardiology week culminating in a Cardiology Symposium in February 2013. The Theme was ‘Heart Disease in Women’. Two visiting Cardiologists from the USA gave lectures at the symposium.

In March 2013 the department hosted a Symposium on Stroke which highlighted thrombolytic therapy in patients with ischaemic stroke. There were three visiting lecturers from the University of Miami who participated.

The annual summer review in July 2013 was successful with an increased attendance from students, residents, general practitioners, nurses and consultants

OUTREACH

The department is active in several outreach projects. The Nephrologists staff have established Nephrology clinics at the Mandeville Regional and St Ann’s Bay Hospitals. The department was instrumental in establishing the renal dialysis unit at the Mandeville Regional Hospital and staff members continue to service the clinic and dialysis unit.

Monthly consultation service and gastrointestinal procedures are performed at the Princess Margaret Hospital, St. Thomas by a staff Gastroenterologist. The department has started a Gastrointestinal Service at the Spanish Town Hospital and has trained nurses for the unit. Gastroenterologists from the department continue weekly consultations and procedure lists at Spanish Town Hospital.

A Cardiologist from the department has a monthly Cardiology clinic at the St Ann’s Bay Hospital.

The staff at CHARES monitor individuals with HIV infection in a homeless resident home in downtown Kingston.

Several members of staff are resource personnel on non-governmental

organizations concerned with public health and charity. Other members of staff sit on various boards.

VISITORS TO THE DEPARTMENT

Professor Ralph Sacco, Professor and Head of Neurology, University of Miami, Florida met with Head of the Department and discussed collaborative work. He delivered a special Lecture entitled “*Facing the Challenge of the Stroke Pandemic*”.

Dr. Jose Romano, Professor of Neurology, University of Miami, Florida., met with Head of the Department and discussed collaborative work with the Department. He delivered two Lectures entitled “Systems of Acute Stroke Care” and “Medical Management of Acute Ischemic Stroke”.

Dr. Beverley Barnett, Pan American Health Organization, gave the Rolf Richards Distinguished Lecture.

Professor Frans Van de Werf, Leuven University, Belgium, gave a special lecture on the “Treatment of acute myocardial infarction” in February 2013.

Dr. Michelle Johnson, Memorial Sloan Kettering Cancer Center, and Cornell University, New York, gave a special Lecture on the “Heart in Cancer therapy” in April 2013

Professor Ellen Ginzler, State University of New York, gave the Erick Cruickshank Distinguished Lecture in June 2013.

PUBLICATIONS

Refereed Journal Articles

August 2012 to July 2013

- Penn KA, Whittle DO, Lee MG. Inflammatory bowel disease in Jamaica. *Annals of Gastroenterology* 2013; 26: 1–4.

- **Orimoloye A, Hurlock L, Ferguson TS, Lee MG.** Pattern of Energy Drink Consumption and Associated Adverse Symptoms among University Students. *British Journal of Medicine & Medical Research* 2013; 3(4):1900–1909
- Gordon L, McGrowder D, Pena Y, Cabrera E, **Lawrence-Wright MB.** Effect of yoga exercise therapy on oxidative stress indicators with end-stage renal disease on hemodialysis *International Journal of Yoga* 2013 January;6(1):31–8.
- Rana AQ, **Ali A**, Boke BN. Difficult differential diagnosis of Unverricht-Lundborg disease with spontaneous kinesogenic myoclonus and movement disorder. *Acta Neurologica Belgica* 2012 December;112(4):431.
- **McGhie T, Alfred R, Ali A, Gilbert DT.** Lateral Medullary Infarct/Wallenberg Syndrome. Case Reports from Jamaica. *West Indian Medical Journal* 2012 October;61(7):746–750
- **White Y, Yoshimitsu M, Kozako T, Matsushita K, Koriyama C, Uozumi K, Suzuki S, Kofune H, Arima N.** Effects of exogenous interleukin-7 on CD8 (+) T-cell survival and function in human T cell lymphotropic virus type 1 (HTLV-1) infection. *Leukaemia Lymphoma*. 2013 [Mar 8; pg 1-8; doi: 10.3109/10428194.2013.772174].
- Hamada T, **White Y**, Nakashima M, Oiso Y, Fujita M, Okamura H, Iwagawa T, Arima N. The bioassay guided isolation of growth inhibitors of adult T-cell leukaemia (ATL), from the Jamaican *Hyptis verticillata*, and NMR characterization of hyptoside. *Molecules*. 2012;17:9931-9938.
- Koenig, Serena P; Rodriguez, Luis A; Bartholomew, Courtenay; Edwards, Alison; Carmichael, Tracie E; **Barrow G**; Cabié, André; Hunter, Robert; Vasquez-Mora, Giselle; Quava-Jones, Avion; Adomakoh, Nicholas; Figueroa, J Peter; Liautaud, Bernard; Torres, Magaly; Pape, Jean W. Long-Term Antiretroviral Treatment Outcomes in Seven Countries in the Caribbean. *Journal Acquired Immune Deficiency Syndrome*. 2012;59(4):e60-71. doi: 10.1097/QAI.0b013e318245d3.

- **Sargeant T, Harris T, Wilks R, Barned S, Galloway-Blake K, and Ferguson T.** Rhabdomyolysis and Dengue Fever: A Case Report and Literature Review. *Case Reports in Medicine* Volume 2013, Article ID 101058, 4 pages <http://dx.doi.org/10.1155/2013/101058>
- **James J, A.K Soyibo, L. Hurlock, G. Gordon-Strachan, E.N Barton.** Cardiovascular risk factors in an Eastern Caribbean Island. Prevalence of Non-communicable Chronic Diseases and Associated Lifestyle Risk Factors for Cardiovascular morbidity and mortality in the British Virgin Islands. *West Indian Medical Journal* 2012; 61 (4):427–34.
- **R Alfred, SN Chin, E. Williams, C Walters, EN Barton, D Shah,** The Prevalence and significance of Oestrogen Receptor (ER) Positively in Breast Cancer at the University of the West Hospital Indies, Jamaica *West Indian Medical Journal* 2012; 61: (8): 795.
- **EN Barton.** Mental Health. *West Indian Medical Journal* 2012; 61 (5): 473–474.
- **Soyibo AK, Barton EN.** Evaluation and Management of Hypertension in the Elderly. *West Indian Medical Journal* 2012; 61: 907–911.
- **Barrow CR, Clare-Pascoe N, Bahadur A, Atkinson N, Browie C, Clarke TR, Barton EN.** A review of the HIV infected homeless sub population at the Centre for HIV-AIDS Research and Services, University Hospital of the West Indies. *West Indian Medical Journal* 2013, 62.
- **Hickling FW, Martin J, Walcott G, Paisly V, Hutchinson N, Clarke TR, Barton EN.** The creation and valuation of the Jamaican Personality Disorder inventory. *West Indian Medical Journal* 2013: 62.
- **Martin J, Walcott G, Clarke TR, Barton EN, Hickling FW.** The prevalence of personality disorder in a general medical hospital population in Jamaica. *West Indian Medical Journal* 2013; 62.
- **Soyibo AK, Roberts L, Douglas LL, Barton EN.** Renal Disease in the Caribbean: The Disease of the Past, Present and Future. *West Indian Medical Journal* 2012;61(4):418–21.

Abstracts in Peer Reviewed Journal

- Bonadie KO, Arthurs M, **Murphy T**, Cawich SO, Martin AC, Williams EW, Soe-Htwe Y. Peri-Operative Management Protocol for Endoscopic Retrograde Cholangio-pancreatography in a Sickle Cell Cohort in Jamaica. A Critical Analysis. *West Indian Medical Journal* . 2012; 61(S3): 9–10.
- **Murphy T**. The Hepatobiliary MDT: A Working Model in the Caribbean Setting. *West Indian Medical Journal*. 2012; Letter.
- **Gayle F**. Acute Stroke Care in Jamaica. *West Indian Medical Journal* . 2012; 61 (Suppl 6); 13.
- Gordon-Perue G, **Gayle F**, **Chin L**, Edwards R, Romano J. Physicians' Knowledge and Practice regarding Acute Stroke Care at University Hospital of the West Indies. *West Indian Medical Journal* . 2012;61(Suppl 6);13.
- **McGhie T**, **DeCeulaer K**, Walter Cs, **Soyibo AK**, **Lee MG**. Vitamin D levels in Patients with systemic lupus erythematosus. *West Indian Medical Journal* Vol. 61 (Suppl 6): 29
- Gordon Perue GL, **Gayle FA**, L Chin, R Edwards, F Nahab, J Romano. Physician knowledge and practices regarding acute stroke care at the University Hospital of the West Indies, Jamaica. *West Indian Medical Journal* Vol. 61 (Suppl 6): 31
- Morgan AN, WD Abel, AFD Coore, L Simms, **Gilbert DT**. The prevalence of depression amongst patients admitted to the medical wards at the University Hospital of the West Indies, Jamaica. *West Indian Medical Journal* Vol. 61 (Suppl 6): 35
- **Orimoloye A**, **Hurlock L**, TS Ferguson, **Lee MG**. A study of energy drink consumption among the students of the University of the West Indie, Mona, Jamaica. *West Indian Medical Journal* Vol. 61 (Suppl 6): 36.
- **Galloway-Blake KM**, M Reid, **Lee MG**, Walters C, Jaggon J. Clinical characteristics in patients admitted to the University Hospital of the West Indies, with sickle cell disease. *West Indian Medical Journal* Vol. 61 (Suppl 6): 45.

- Jackson S, Nagsassar R, James K, Gibson R, Rhoden T, **Wright-Pascoe R**. The diagnosis of neurological HIV through antibody detection in the cerebrospinal fluid. *West Indian Medical Journal* Vol. 61 (Suppl 6): 47.
- Forbes N, **Barrow G, Walwyn M, Fraser Y**, Keenan J, Aung A, Lee MG. Causes of death in the HIV population over five years, from 2005 to 2010 at the Cornwall Regional Hospital, Jamaica. *West Indian Medical Journal* Vol. 61 (Suppl 6): 47.
- Mani KA, **Hoo Sang M**, Younger-Coleman NO, Ferguson TS. Ischaemic heart disease at the University Hospital of the West Indies: Hospital admission rates and inpatient mortality rates, 2005–2010. *West Indian Medical Journal* Vol. 61 (Suppl 6): 48
- **Penn KA, Whittle DO, Lee MG**. Inflammatory bowel disease at the University Hospital of the West Indies. *West Indian Medical Journal* Vol. 61 (Suppl 6): 55
- Boyd I, Grossell-Williams M, **Lee MG**. The use of analgesic drugs in young patients with sickle cell painful crisis. *West Indian Medical Journal* Vol. 61 (Suppl 6): 59
- Campbell J, Grossell-Williams M, **Lee MG**. Evaluation of the trends associated with reported spontaneous adverse drug events by healthcare professional in Jamaica. *West Indian Medical Journal* Vol. 61 (Suppl 6): 60.
- Cawich SO, Roberts H, **Arthurs M, Murphy T**, Martin A, Shah S, Johnson PJ, Gordon-Strachan G. A Critical evaluation of indications for endoscopic retrograde cholangiography for common bile duct stones in patients with Sickle Cell Disease: A Case controlled study. *West Indian Medical Journal* 2012; 61(S4): 17
- Cawich SO, Cherian CJ, Roberts PO, Shah S, Johnson PJ, **Murphy T, Arthurs M**, Bonadie KO, Simpson LK. Whipple’s Pancreaticoduodenectomy: Pushing the Limits of Resectability in the Caribbean Setting. *West Indian Medical Journal* 2012; 61(S4): 37.
- Bonadie K, SoTwe Y, **Arthurs M, Murphy T**, Cawich SO, Simpson LK, Isaacs MS, Williams EW, Harding H. Critical Analysis of a Peri-

Operative Management Protocol in Patients with Sickle Cell Disease.
West Indian Medical Journal 2012; 61(S4): 49.

SCIENTIFIC PAPERS PRESENTED

Dr. F Gayle

- Stroke Pathogenesis and Hypertension – Acute Stroke Symposium: Bridging the Gap, July 21 2012.
- Stroke in Jamaica – 21st Annual Research Conference Faculty of Medical Sciences Research Day, 2012
- Physicians’ Knowledge and Practice regarding Acute Stroke Care at University Hospital of the West Indies 21st Annual Research Conference Faculty of Medical Sciences Research Day, November 4, 2012.
- Acute Stroke Management: Past, Present and Future. Emergency Medical Symposium. May 30, 2013.
- Stroke-Brain Attack. Advancements in Medicine Symposium. April 14, 2013.
- Transient Ischemic Attack Update & Secondary Prevention of Stroke: American Heart Association/ University of Miami/ University of the West Indies Acute Stroke Conference. March 2, 2013.
- Neurovascular Imaging in Acute Stroke-Hemorrhagic and Ischemic Presentations: American Heart Association/ University of Miami/ University of the West Indies Acute Stroke Conference. March 2, 2013.
- Stroke and the General Practitioner: 11th Annual Caribbean Neuroscience Symposium, January 29, 2013.
- Stroke Pathophysiology and Hypertension: American Heart Association/University of Miami/University of the West Indies Acute Stroke Conference-Bridging the Gap, July 20, 2012.

Dr. M. Lawrence-Wright

- Uncontrolled hypertension: Overcoming Physician Inertia and Patient Noncompliance. CME Conference November 2012
- Approach to the Patient with Rheumatic Heart Disease. Advancements in Cardiovascular Care 2012 Conference
- Gender and Cardiovascular Disease – Men are from Mars and Women are from Venus. Heart Foundation of Jamaica Heart Month 2013, February 2013
- Peripartum Cardiomyopathy. Cardiovascular Week 2013 Cardiovascular Symposium.

Dr. A. Ali

- Neuropsychiatric Masquerades – Common Neurological disorders that present with psychiatric symptoms. Annual Mental Health Conference, October 2012
- Choosing the Right Anti-Seizure Drug: Get it Right the First Time! Annual Neurosciences conference. February 2013
- A Clinical Approach to the Patient with Difficult to Control Epilepsy: Novel Therapeutic Opportunities. CME Symposium. July 2012
- The Management of Haemorrhagic Stroke – Stroke Symposium July 2012

Dr. V. Elliott

- Rate, Rhythm, Ectopics – Caribbean Cardiac Society annual meeting July 2012

Dr. K. Maloney

- The use of NSAIDs in treating chronic pain – Caribbean Council of Family Physicians. March 2013
- Lupus and alternative and complementary medicine – Annual Lupus Symposium September 2012

Department of Medicine

Dr. C. Collie

- Management of Asthma. Medical Association of Jamaica August 27, 2012
- Taking Control of Asthma. Medical Association of Jamaica. August 31, 2012

Dr. A. Soyibo

- Caribbean Renal Registry – Annual Data Report.
- 5th Annual Conference of Nephrology and Hypertension
- Jamaica Renal Registry ADR. 5th Annual Conference of Nephrology and Hypertension
- Glomerular Changes in Children with Sickle Cell Disease – Clinicopathological Correlates.
- 5th Annual Conference of Nephrology and Hypertension

PUBLIC SERVICE & OUTREACH

Professor Michael Lee

- Member, Board of Executive, Food for the Poor
- Chair, Medical Committee, Food for the Poor
- Member, Medical Review Panel Ministry of Health. Jamaica
- Member, Board of the Heart Foundation of Jamaica

Dr. Trevor Murphy

- Secretary, Association of West Indian Gastroenterologists

Dr. Dwight Whittle

- Volunteer, Gastroenterology Clinic and procedures, Princess Margaret Hospital, Morant Bay, St. Thomas.

Professor Everard Barton

- Renal clinic outreach Mandeville Regional Hospital and St Ann's Bay Hospital.
- Outreach services to develop renal care services in Tobago and public education on prevention of causative diseases.
- Working with CHEF (Caribbean Health and Education Foundation) to do a Caribbean wide screening for Kidney disease in the English speaking Islands/countries.
- Arranged with Global links for visiting teams of Healthcare professionals to work with local teams in surgery and medicine in Kingston, Manchester and St. Ann.
- Obtaining from Global links (USA) dialysis material: fluid, chemicals, machines which were distributed among University of the West Indies, St. Joseph Hospital and Mandeville Regional Hospital.

Dr. A. K. Soyibo

- Outreach to Rural areas: Preventing Life style related disease.
- Education and Policy for Renal Unit in Tobago.
- Renal clinic in two major government hospitals: Mandeville Regional Hospital and St. Ann's Bay Hospital.

Dr. Lisa Hurlock

- Cardiologic evaluation Physician for swimmers for Jamaica.

Professor R. Wright-Pascoe

- Chairman, Jamaica National Committee on Non-Communicable Diseases, Ministry of Health
- Member, Council of the Medical Association of Jamaica
- President, Association of Consultant Physicians of Jamaica
- Chairman, Board of Management of Central Medical Laboratories.
- Member, Medical Tribunal Unit of the Medical Council of Jamaica

Department of Medicine

Dr. C. Collie

- Chairman, Board of Directors, Pre-University School, Taylor Hall, UWI, Mona
- Chairman, Board of Directors, Ayrton Distributors Limited

Dr. M. Lawrence-Wright

- Treasurer – Caribbean Cardiac Society
- Board Member, Jamaica Anti-Doping Commission
- Member, Bustamante Hospital for Children Development Committee

Dr. G. Barrow

- Consultancy for UNICEF
- Consultant services for the Elimination of mother to child transmission of HIV and Syphilis.
- Ministry of Health, providing technical support to the National HIV/STI Programme as the Director for the Treatment Care and Support (TCS) component
- Representative to the Country Coordinating Mechanism for the Global Fund Against HIV/AIDS, Tuberculosis and Malaria to Jamaica.
- Member, Monitoring and Evaluation Reference Group, National HIV/STI Programme.
- Member, Academic Sub-Committee of the National AIDS Committee.
- Member, Civil Society Forum of Jamaica.
- Member, “Most At Risk Population” Technical Working Group, National HIV/STI Programme.

Dr. T. Clarke

- Medical Director, Racers (Usain Bolt’s) Running Club
- Member, Medical Committee for the JAAA

Dr A. Ali

- Chair, Caribbean taskforce of the North American Regional Commission on Epilepsy
- Chair, Taskforce for the biennial North American Regional Caribbean Congress on Epilepsy
- Member, International Affairs Commission of the American Epilepsy Society (AES).
- American Academy of Neurology Ambassador to the Caribbean region
- Regional epilepsy and neurology clinics and educational discussions in Tobago, St Lucia and Antigua

Dr. K. Maloney

- Vice President Lupus foundation of Jamaica, July 2012–present

Dr. F. Gayle

- Jamaica National Health Fund Medical Expert Panel

AWARDS

- **Professor M Lee** received the distinguished award from the Medical Foundation of Jamaica
- **Dr. W. Williams** received a distinguished award from the Association of Consultant Physicians