

DEPARTMENT OF MEDICINE

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

WORK OF THE DEPARTMENT

The Department continued its thrust in teaching undergraduate and graduate students, service work and outreach while experiencing several challenges during the period August 1, 2011 to July 31, 2012. The Department contributed to three review and accreditation processes with good external assessments of the Department and Faculty of Medical Sciences (Quality Review of the Clinical Departments, University Council of Jamaica Accreditation and the CAAM-HP accreditation). The CAAM-HP has fully accredited the Faculty of Medical Sciences for the next five years.



Teaching

Undergraduate

The major challenge for the Department remains the increased number of Undergraduate students in the MBBS programme. The University Hospital of the West Indies (UHWI) is the main teaching facility for clinical students. However, there are limited spaces and deteriorating facilities. There were also problems associated with patient numbers. The dedicated staff rose to the challenges and coped with the increased number of students. The majority of students are assigned to the UHWI and in addition the 5th year students were assigned to the Kingston Public Hospital (KPH), the Cornwall Regional Hospital and the Mandeville Regional Hospital. Teaching began, albeit slowly at the Spanish Town

Hospital in January 2012. The Associate Lecturers at these institutions despite their busy clinical schedule did an excellent job in teaching the students. The feedback continues to be good from the students at the peripheral teaching sites. The 3rd year clinical students are divided between KPH and the UHWI. The majority of Associate staff at KPH has performed extremely well despite the heavy service load.

The teaching for the MBBS programme has evolved fully to small group teaching and a more patient and problem oriented method. In addition to the small group assignments there are set teachings to all students on a daily basis at all sites. The guidelines for the clerkships have been updated and the topics for the daily teachings standardized.

The main May/June final MBBS examination was conducted very successfully and of the 119 students taking the Medicine examination 117(98%) passed with 5 obtaining Honours. A student from Mona also received the subject medal in Medicine for the overall best performance on all campuses.

Postgraduate

The DM programme in Medicine continues to be strong with dedicated Lecturers despite a lack of funding for the programme. The programme continues to train specialists in Internal Medicine for Jamaica and the Caribbean. With the increasing number of undergraduate students there is an urgent need to increase the number of DM students but the UHWI is presently financially constrained to implement this increase. There is also a need to train subspecialists and the Department is to start Fellowship subspecialty training. Nephrology Fellowship training has started. Approval has been obtained to start training in Cardiology and Gastroenterology.

Research

All members are encouraged to do research. The research output has increased over the past two years and approximately 20 full peer reviewed articles was published in 2010 – 2011 but decreased to 19 full publications and 14 abstract for the current year.

Outreach Service

The Department is active in many outreach programmes. The staff has 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. Consultation services and gastrointestinal procedures are performed at the Princess Margaret Hospital, St. Thomas. The Department has started a Gastrointestinal Service at the Spanish Town Hospital and has trained nurses in preparation. Gastroenterologists from the Department have weekly procedure lists.

A Cardiologist from the Department has a regular Cardiology Clinic at the St Ann's Bay Hospital. The staff at CHARES monitor individuals with HIV infection at the Resident Home Downtown, Kingston.

Several members of staff are resource personnel on non-governmental organizations concerned with public health and charity.

Visitors to the Department of Medicine

Professor Talmadge King, University of California at San Francisco, Head of Pulmonary Division, gave the Rolf Richards Distinguished Lecture.

Dr. Robert Iwanochko, University of Toronto, gave a lecture on Viability of myocardium in ischaemic heart disease at the Annual Cardiovascular Week.

Professor Gary Newton, Head, Division of Cardiology, University Health Network, University of Toronto, gave the Professor Erick Cruickshank Distinguished Lecture. He met with the Head of Department and Cardiologists. He discussed collaborative work in Cardiology and expressed his willingness to continue to train Cardiology Fellows from the DM programme.

Professor Bongani M. Mayosi, Head, Department of Medicine, University of Cape Town. He met with Head of Department and

discussed collaborative research with the Cardiologist on Rheumatic Heart Disease and Ischaemic Heart disease.

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

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

Dr. D. Yavagal, University of Miami, Florida met with Head of Department and discussed collaborative work. He delivered a lecture entitled: “Endovascular Intervention in Acute Stroke”.

PAPERS PRESENTED

- Approach to the patient with headaches. **F Gayle**. Caribbean Neurosciences Symposium, January 28, 2012.
- Guidelines to the early recognition and prompt management of emerging neurological disorders. **F Gayle**. Caribbean College of Family Physician Symposium, February 23, 2012.
- Antiepileptic Drug Therapy: Current Options. **F Gayle**. GlaxoSmithKline Annual Medical Symposium, May 12, 2012.
- Stroke Pathogenesis and Hypertension. **F Gayle**. Acute Stroke Symposium: Bridging the Gap, July 21, 2012.
- Overview of Infectious Disease and Diabetes - The Jamaican Perspective. **R Wright-Pascoe**. Diabetes Educators of Caribbean, 7th Annual Clinical Conference. September 24, 2011.
- Measures to Prevent Diabetic Nephropathy and End Stage Renal Disease and Implication for Insulin Therapy. **R Wright-Pascoe**. Caribbean College of Family Physicians Symposium. September 25, 2011.

- Glimperide – the novel sulphonylurea-urea. CME Symposium. **R Wright-Pascoe**. October 6, 2011.
- A Strategic Approach to Early Aggressive Management of Type 2 Diabetes Mellitus. **R Wright-Pascoe**. CME Symposium November 17, 2011.
- Postprandial Glucose Pathophysiology/Use of Meal Time Insulin. **R Wright-Pascoe**. CME Symposium. November 15, 2011.
- Diabetes and the Kidney. **R Wright-Pascoe**. Caribbean Institute of Nephrology. March 9, 2012.
- New Opportunities in the Management of Type 2 Diabetes Mellitus. **R Wright-Pascoe**. CME Symposium. April 20, 2012.
- Current Trends in Type 2 Diabetes Mellitus Treatment: Vildagliptin, leading Innovation in DPP4 Inhibitor Research. **R Wright-Pascoe**. CME Symposium for Doctors. May 16, 2012.
- Diabetes as a Cardiovascular Equivalent and the Role of Glycemic Control. **R Wright-Pascoe**. The Medical Association of Jamaica Symposium. June 9, 2012.
- Current Role of Oral Antidiabetic drugs in the Management of Hyperglycemia in Type 2 Diabetes. **R Wright-Pascoe**. CME Symposium June 24, 2012.
- The Prevalence of depression and depression symptoms among patients attending a Specialist Diabetes Clinic in Jamaica. SR McFarlane, TS Ferguson, M Tulloch-Reid, NOM Younger, **R Wright-Pascoe**, M Boyne, DK Francis, RJ Wilkes. The International Diabetic Federation World Congress 2011. December 2-11, 2011
- The Pharmacological Therapy of Obesity. **R Wright-Pascoe**. The Inaugural Caribbean Obesity Forum Conference. January 12-14, 2012.

- GERD - symptoms and diagnosis. **D Whittle**. CME Symposium February 2012
- Irritable Bowel Syndrome (IBS) - importance of proper diagnosis, **D Whittle**. CME Symposium February 2012.
- Irritable Bowel Syndrome (IBS) - diagnosis and treatment. **D Whittle**. CME Symposium April 2012.
- Anticoagulation and antiplatelet therapy in ACS. **V Elliott**. Cardiology Symposium January 2012.
- Combination therapy in the management of Hypertension. **V Elliott**. CME Symposium July 2012.
- Management of Heart Failure. **V Elliott**. CME Symposium April 2012.
- Statin and other therapies in Preventing Heart Disease. **V Elliott**. CME Symposium: March 2012.
- Rate, Rhythm, Ectopics. **V Elliott**. Caribbean Cardiac Society annual meeting July 2012.
- Cognitive, Behavioural and Psychiatric issues in Epilepsy. **A Ali**. Annual Symposium of the Association of General Practitioners. November, 2011
- Driving in Epilepsy: the Caribbean Driving Initiative. **A Ali**. Caribbean Neurosciences Symposium. January, 2012
- A typical and Vascular Parkinsonism in Jamaica: a 5 year prospective report. **Ali A**, Josephs K. American Academy of Neurology (AAN) Annual Meeting, April 26, 2012.
- Driving in Epilepsy: the Caribbean Driving Initiative. **A Ali**. Third North American Regional Caribbean Congress on Epilepsy. February, 2012.

- A Clinical Approach to the Patient with Difficult to Control Epilepsy: Novel Therapeutic Opportunities. **A Ali**. CME Symposium July, 2012.
- The Management of Haemorrhagic Stroke. **A Ali**. Stroke Symposium July 2012.
- How Ischaemic Heart Disease Kills. **MB Lawrence-Wright**. Cardiovascular Week 2012 Cardiovascular Symposium. February 2012.
- Hypertension and Dyslipidaemia. **MB Lawrence-Wright**. CME Symposium February 2012.
- HIV-1 Drug Resistance in Treatment Naïve Patients in Jamaica. **G Barrow**, T Hylton-Kong, N Rodrigues, Y Yamamura, JP Figueroa. Caribbean HIV Conference 2011.
- HIV-1 Drug Resistance in Jamaica and Associated Risk Factors. **G Barrow**, T Hylton-Kong, N Rodrigues, Y Yamamura, JP Figueroa. Caribbean HIV Conference 2011.

PUBLICATIONS

Refereed Journal Articles

WIMJ = *West Indian Medical Journal*

- * **M Kaliamurthy, MG Lee, M Mills, T Murphy**. “Upper Gastrointestinal Bleeding. A Jamaican Perspective”. *WIMJ* 60, (2011): 289-292.
- * **DO Whittle, MG Lee, B Hanchard**. “Peutz-Jeghers Syndrome”. *WIMJ* 60, (2011): 349-343.
- * **T Thompson, MG Lee, T Clarke, M Mills, G Wharfe, C Walters**. “Prevalence of Gastrointestinal Symptoms Among Ambulatory HIV Patients and a Control Population”. *Annals of Gastroenterology* 25, (2012): 1-6.

- * **L Hurlock, MG Lee.** “Potential Health Problems with the use of Energy Drinks”. *WIMJ* 61, (2012): 1-2.
- * **O Morgan.** “HTLV-1 Associated Myelopathy/Tropical Spastic Paraparesis. How far have we come?” *WIMJ* 60(5), (2011): 505.
- * KD Vaughan, **AM Aquart-Stewart.** “Systemic Lupus Erythematosus and *Neisseria gonorrhoea*. A case of the Arthritis-dermatitis Syndrome”. *WIMJ* 60 (6), (2011): 688.
- * **TR Clarke,** P Johnson, D Webster, **DT Gilbert, EN Barton.** “Transient Cortical Blindness Post Angiography. A case Report”. *WIMJ* 60(3), (2011): 357.
- * **EN Barton.** “Sixtieth Anniversary – *West Indian Medical Journal*”. *WIMJ* 60 (4), (2011): 377.
- * **R Alfred, R Wright-Pascoe.** “Acute Limb Ischaemia in a Septic Patient with Diabetic Ketoacidosis”. *WIMJ* 60(2), (2011): 214-216.
- * West W, **Ali A,** West K, Stultz R. “CT Findings in Acute Confusion of Non-Traumatic Aetiology”. *WIMJ* 60(5), (October 2011): 571-5.
- * **Ali A,** Ali T, Kerr K, Bortolusso Ali S. “Epilepsy awareness in a Jamaican Community: driven to change”. *Epilepsy Behav*, Dec 22(4), (2011):773-7.
- * Rana AQ, **Ali A,** Böke BN. “Difficult differential diagnosis of Unverricht-Lundborg disease with spontaneous kinesogenic myoclonus and movement disorder”. *Acta Neurol Belg* (May 15, 2012).
- * L Gordon, D McGrowder, Y Pena, E Cabrera, **MB Lawrence-Wright.** “Effect of exercise therapy on lipid parameters in patients with end stage renal disease on hemodialysis”. *Journal of Laboratory Physicians* 4(1), (2012): 17-23.

- * **DT Gilbert.** “HTLV-1 Associated myeloneuropathies – A Caribbean perspective”. *WIMJ* 61(4), (2012): 407-412.
- * **AK Soyibo, C DeCuelaer, K Maloney, RK Miller, EN Barton.** “Establishing the Jamaica Lupus Registry: Report of patients with Systemic Lupus Erythematosus attending a major referral Hospital in Jamaica”. *WIMJ* 61 (3), (2012): 249-253.
- * **D Dewar, AK Soyibo, EN Barton.** “Nutritional markers in patients undergoing Chronic Haemodialysis in Jamaica”. *WIMJ* 61 (3), (2012): 284-289.
- * **AK Soyibo, L Roberts, LL Douglas, EN Barton.** “Renal Disease in the Caribbean: The Disease of the past, present and future”. *WIMJ* 61 (4), (2012): 416-19.
- * **J James, AK Soyibo, L Hurlock, G Gordon-Strachan, EN 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”. *WIMJ* 61 (4), (2012): 427-34.
- * **EN Barton.** “Golden Jubilee: Independence of Jamaica, Trinidad & Tobago and the University of the West Indies as a degree granting Institution”. *WIMJ* 61 (4), (2012): 310-311.

Abstracts in Peer Reviewed Journal

- * “Upper Gastrointestinal bleeding: A Jamaican perspective”. **M Kaliasurthy, MG Lee, M Mills, T Murphy.** *WIMJ*, 2011; 60: (Suppl. 4): 25
- * “Prevalence of Gastrointestinal Symptoms among ambulatory HIV patients and a control population”. **T Thompson, MG Lee, TR Clarke, M Mills, G Wharfe², C Walters.** *WIMJ* 60(Suppl. 4), (2011): 30.
- * “Microbial isolates in diabetic foot lesion of hospitalized patients at the University Hospital of the West Indies”. **LA**

- Chin**, MS Boyne, **EN Barton**, **R Wright-Pascoe**, A Martin, K Roye-Green. *WIMJ* 60 (Suppl. 4), (2011): 35.
- * “The clinicopathologic characteristics of breast cancer at the University Hospital of the West Indies”. **SN Chin**, C Green, G Gordon-Strachan, G Wharfe. *WIMJ* 60 (Suppl. 4), (2011): 35.
 - * “The prevalence and significance of oestrogen receptor (ER) positivity in breast cancer at the University Hospital of the West Indies”. R Alfred, **SN Chin**, E Williams, C Walters, **EN Barton**, D Shah. *WIMJ* 60 (Suppl. 4), (2011): 37.
 - * “Propofol sedation in patients undergoing colonoscopy in Jamaica”. **L Chin**, **MG Lee**, CD McGaw, MAC Frankson CA Walters. *WIMJ* 60 (Suppl. 4), (2011): 39.
 - * “Advances in the treatment of asthma”. **P Scott**. *WIMJ* 60 (Suppl.), (2011): 10.
 - * “Genetic and environmental influences associated with autoimmunity”. **K Maloney**. *WIMJ* 60 (Suppl. 4), (2011): 19.
 - * “Urticaria – More than just hives”. **A East-Innis**. *WIMJ* 60 (Suppl. 4), (2011): 19.
 - * “Foot Care and Footwear Practices among Patients attending a specialist Diabetes Clinic in Jamaica”. KA Gayle, MK Tulloch-Reid, NO Younger-Coleman, DK Francis, SR McFarlane, **RA Wright-Pascoe**, MS Boyne, RJ Wilks, TS Ferguson. *WIMJ* 61 (Suppl. 1), (2012): 36.
 - * “Relationship between self-monitoring of Blood-Glucose and Glycaemic Control among Patients attending a Specialist Diabetes Clinic in Jamaica”. KK Francis, NO Younger-oleman, MK Tulloch-Reid, **RA Wright-Pascoe**, MS Boyne, RJ Wilks, TS Ferguson. *WIMJ* 61 (Suppl.1), (2012): 37.
 - * “Chronic Kidney Disease in the Caribbean”. **AK Soyibo**, L Roberts, **EN Barton**. *WIMJ* 60 (4), (2011): 464.

- * “Chairman’s Message”. **R Wright-Pascoe**. *WIMJ*, 30, (2011): 16.
- * “Glutathione metabolism in persons with Type 2 diabetes”. FK Lutchmansingh, FI Bennett, AV Badaloo, N McFarlane-Anderson, GM Gordon-Strachan, **R Wright-Pascoe**, F. Jahoor, MS Boyne. *WIMJ* 61 (Suppl 2), (2012): 24.

PUBLIC SERVICE

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

Dr. Trevor Murphy

- Secretary, Association of West Indian Gastroenterologists

Dr. Dwight Whittle

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

Dr. Lisa Hurlock

- Member, Cardiologic evaluation Physician for swimmers for Jamaica

Dr. Rosemarie 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

Dr. Charlton Collie

- Chairman, Board of Directors, Pre-University School

Dr. Marilyn Lawrence-Wright

- Treasurer, Caribbean Cardiac Society
- Member, Jamaica Anti-Doping Commission Board

AWARDS

Professor M Lee

- Distinguished award. Medical Association of Jamaica

Professor E Barton

- Order of Distinction, Government of Jamaica 2011
- Appreciation Award, Bridge for life U.S.A. 2012
- Travel Award American College of Physicians 2012