

## 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 in its mission of excellence in teaching, engaging in research which is relevant, providing service and outreach during the period August 1, 2015 to July 31, 2016 continues to be faced with challenges. The main challenge the Department faced was the limited budget allocation which is grossly inadequate for funding its normal activities. In fact, the allocated budget was spent after seven months. A realistic budget was submitted for consideration for the 2016/2017 budget cycle. The increased number of undergraduate students and the inadequate resources at the University Hospital of the West Indies (UHWI) also posed significant challenges.

## TEACHING

### Undergraduate

The increasing number of undergraduate students in the flagship MBBS program over the past five years continue to be a major challenge for the Department. In addition, the Department has been accepting an increasing number of elective students especially from the off-shore medical schools in the Caribbean. The UHWI, which is the main teaching facility for clinical teaching has limited space and facilities and limited patient numbers. Also, there continues to be a significant shortage of resources at the UHWI which is causing major challenges for patient care. There is chronic shortage of most medications and a lack of maintenance and no replacement for outdated or non-functional equipment used for patient care, teaching and research. These problems adversely affect both undergraduate and post-graduate teaching and learning. The Full-time Lecturers and Associate Lecturers have managed the problems associated with the increased number of students in all clinical clerkships with difficulty. The increased Internal Medicine patient load at the UHWI as well as at other institutions have created major problems with resources and inadequate staffing.

The clinical students were assigned mainly to the UHWI, which includes all of the second year IMP students. The 3rd year clinical students were divided between the Kingston Public Hospital (KPH) (one-third) and the UHWI (two-thirds). For the 5th year students in addition to UHWI, students were assigned to the peripheral teaching hospitals including; KPH, the Cornwall Regional Hospital, the Mandeville Regional Hospital, the May Pen Hospital, the Spanish Town Hospital and recently the St. Ann's Bay Hospital. Problems with inadequate staffing, especially Associate Lecturers and residents, pose a challenge at all sites. The Associate Lecturers at the peripheral institutions continue to do an excellent job in teaching and supervising the students and feedback from the students at the peripheral teaching sites remains good. There is a need for more Associates to be appointed due to the increased number of students and the increased patient load in Internal Medicine which leaves inadequate time for teaching.

The teaching of the clinical clerkships in the Department of Medicine consists mainly of small group interactive teachings with an emphasis on patient management and problem oriented learning. These include ward rounds, patient based and problem oriented teaching and learning activities. In addition to the small group bedside teaching there are scheduled teachings to students at the different hospital sites on a daily basis. The topics for the daily teachings have been standardized and harmonized for the third year students.

The Introduction to Medical Practice (IMP 2) had a class size of over 320 students. There were problems with adequate space and staffing for the small group teaching activities. Also there were problems with a few of the scheduled lectures.

The increased number of students over the past year doing the clinical examination created significant challenges with the need for an increased time to complete the clinical examination process and the increased personnel needed with an increase in expenditure. The delayed payment for services supplied for the examination created dissatisfaction among the service providers with one main provider withdrawing his service for the examination this year.

The main May/June (2016) MBBS final examination was conducted successfully and of the 221 students taking the Medicine examination, 16 (7%) failed with 9 obtaining Honors. A Mona student obtained the Medicine subject medal, having performed the best in the examination across all campuses.

### **Postgraduate**

The DM postgraduate programme in Medicine continues to train specialists in Internal Medicine for Jamaica and the Caribbean for over forty years without specific funding for the programme. The success of the programme has been dependent on the commitment of the staff to training postgraduate students.

The research project in the third elective year has been beneficial but there are challenges in the write up on schedule, as the completed project

must be submitted six months prior to sitting the final exit exam. Candidates are required to have six monthly assessments for their registration at the start of each semester. The candidates are assessed monthly by their supervisor and there is a clinical assessment twice yearly.

With the increasing number of undergraduate students and graduates in the MBBS programme over the past 6 years there is an urgent need to increase the number of DM posts in the Internal Medicine programme but the UHWI is presently unable to implement this increase due to financial constraint. The DM students are employed by the UHWI but the number of positions are limited and are inadequate to cover the increased patient workload in Medicine. Also, Government sponsored postgraduate students have diminished over the past two years. A major challenge for the DM graduate students is the significant increase in the number of emergency referrals on a daily basis at the UHWI. The number of emergency patients and the lack of resources to manage these patients are major problems that need urgent attention as this situation is adversely affecting teaching and learning by both undergraduate and graduate students.

There is a need to train subspecialists in Medicine and the department was able to start Fellowship subspecialty training as qualified applicants become available in several areas. Nephrology and Infectious Disease Fellowship training started several years ago. Approval has been obtained to start training in Cardiology, and Gastroenterology. However, proper training for Cardiology and Gastroenterology will require the provision of appropriate diagnostic equipment which has been grossly inadequate for several years for routine use at the UHWI.

## **RESEARCH**

Expansion of research in the Department remains a priority. All members are encouraged and expected to do research and publish. The number of research projects and grants have increased but the research output has been variable. There is an urgent need to fill the position of a research

lecturer as the position is vacant due to leave of absence/resignation taken by the former lecturer.

### **CONTINUING MEDICAL EDUCATION**

- The Department of Medicine is committed to offering continuing medical education to all physicians in Jamaica.
- The Department was involved with the Nephrology conference in January 2016. The guest lecturer was Professor Frank Brosius, University of Michigan who spoke on diabetic nephropathy and hypertension control.
- The Department hosted a successful Cardiology week highlighted by a Cardiology Symposium in February 2016. The theme was arrhythmia. The visiting lecturer Dr. Francesco Santoni-Rugiu from Columbia University, and Director, Arrhythmia Institute, St Luke's/Roosevelt Hospital, New York, New York gave the keynote address on "Therapeutic interventions in atrial flutter".
- The Department, in collaboration with the Association of Consultant Physicians of Jamaica, presented an Ethics symposium in February 2016. Dr. Derrick Aarons gave the keynote lecture.
- The Department had two distinguished Lectures presented by, a) Professor Dale Abel, University of Iowa, in September 2015 who spoke on Advances in Cardiovascular disease and Diabetes Mellitus and b) Professor Kennedy Cruickshank, Kings College University, in March 2016 who spoke on "Adventures in Caribbean (Cardiovascular) Medicine abroad".
- The Department collaborated jointly with the Department of Child and Adolescent Health to host a symposium on the treatment of Type 1 diabetes mellitus in April 2016 with speakers from the International Diabetes Federation Life for a child programme, Dr. Debra Cohen and Angie Middlehurst.
- The annual summer review, at which staff members give a presentation in their field of expertise, was held in July 2016 and was successful with good attendance from students, residents, general practitioners and nurses.

## **INTERNATIONAL COLLABORATION**

The Department has been in collaboration with the University of Toronto for Fellowship training in Cardiology. Several post-DM Fellows have been trained and others are in training. All trained Fellows have returned to the Caribbean.

There is continuing collaboration with the University of South Carolina for Fellowship training in Infectious Disease. Fellows have spent two months each year of training at the University of South Carolina in clinical training.

## **OUTREACH**

The Department was active in several outreach projects. The Nephrology staff has established renal 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.

The Department has continued assistance with the Gastrointestinal Service at the Spanish Town Hospital. Gastroenterologists from the department held weekly consultations and procedure lists at Spanish Town Hospital. However, the equipment at the Spanish Town Hospital has been non-functional and awaiting repair.

A staff Cardiologist from the department has a monthly Cardiology clinic at the St. Ann's Bay Hospital. The cardiology week activities in February, 2016, involved a talk by a staff member to employees at a major private corporation, a public wellness clinic, Health Fair and talks to patients.

The staff at CHARES participate in several outreach projects including testing, and counselling at different public events and monitor individuals with HIV infection in homeless people in Kingston.

Several members of staff are resource personnel on government and non-governmental organizations concerned with public health and charity. Other members of staff sit on various boards.

## VISITORS TO THE DEPARTMENT

- Professor Dale Abel, University of Iowa, in September 2015 gave the Rolf Richards distinguished Lecture.
- Professor Frank Brosius, University of Michigan was guest lecturer at the Nephrology conference in January 2016.
- Dr. Francesco Santoni-Rugiu, Columbia University, was guest lecturer at the Cardiology conference February 2016.
- Dr. Derrick Aarons, CARPHA, was guest lecturer at the Ethics conference February 2016.
- Professor Kennedy Cruickshank, Kings College University, in March 2016 gave the Erick Cruickshank distinguished Lecture.

## STAFF

Two lecturers took a one year leave of absence for personal reasons.

## REFEREED JOURNAL ARTICLES AUGUST 2015 TO JULY 2016

- YM Dawkins, Nordau Kanigsberg, Sanjay Murthy. An Unusual Skin Manifestation in a Patient With Ulcerative Colitis. *Clinical Gastroenterology and Hepatology*. 2016 January;14:xxxv–xxxvi
- DS Braham, MO Mills, MG Lee, EF Brown, G Gordon-Strachan Prevalence of Gastroesophageal Reflux Disease Symptoms in a Jamaican Population. *West Indian Medical Journal* DOI: 10.7727/wimj.2016.167
- T Murphy, EK Donaldson, M. Mills. M, Arthurs, MG Lee Gastro-oesophageal Reflux Disease- An Update. *West Indian Med J* 2015 vol 2 Issue 3
- N Clare-Pascoe, MG Lee, T Murphy, A Nicholson, TS Ferguson. A Review of Clostridium difficile Infection at the University Hospital of the West Indies, Jamaica. *West Indian Medical Journal* Vol 64, Issue 4: September (2015) DOI: 10.7727/wimj.2014.180

- S Wright, C Gordon, **MG Lee**. Exercise behaviour in patients with chronic diseases in Jamaica. *West Indian Medical Journal* 2015 DOI: 0.7727/wimj.2015.232
- TS Ferguson<sup>1</sup>, MK Tulloch-Reid<sup>1</sup>, NO Younger-Coleman<sup>1</sup>, **RA Wright-Pascoe**, MS Boyne, **AK Soyibo**, RJWilks<sup>1</sup> Prevalence of Chronic Kidney Disease among Patients Attending a Specialist Diabetes Clinic in Jamaica. *West Indian Med J* 2015; 64 (3): 201 DOI: 10.7727/wimj.2014.084
- **KK Hoe**, N Smith, EN Barton, **AK Soyibo**: A “Full House” Glomerulopathy in a Patient with Multiple Lentigenes Syndrome: A Case Report. *West Indian Medical J* 2016 DOI: 10.7727/wimj.2016.001
- T Mason, M Verley, M Gossell-Williams, A Thorbourne, A Walcott-Mitchell, **K Hoe**, **M Lee**: Gentamicin Therapeutic Drug Monitoring: Importance in the Hospital Setting. *West Indian Medical J* 2015 DOI: 10.7727/wimj.2015.603
- Krauss G, Sandy S, Corbin D, Bird J, Jack J, Nelson B, Jalonon T, **Ali A**, Fortune T, Clarke D, Okolie J, Cervenka MC. Epilepsy Care in the Southern Caribbean. *Epilepsy Behav* 2015 Oct;51:267-72.
- **Ali A**. Cannabis Usage in the context of Neurological Disease: Clinical cases and a Review of the Literature. *West Indian Med J*, April 2016;65 (Suppl. 1):22.
- **Yohann White**, Theo Sandfort, Kai Morgan, Karen Carpenter & Russell Pierre. Family relationships and sexual orientation disclosure to family by gay and bisexual men in Jamaica, *International Journal of Sexual Health* 2016; DOI: 10.1080/19317611.2016.1227015. <http://dx.doi.org/10.1080/19317611.2016.1227015>
- **Yohann G. R. White** & Theo G. M. Sandfort. Editorial, *International Journal of Sexual Health*, DOI: 10.1080/19317611.2016.1227014. <http://dx.doi.org/10.1080/19317611.2016.1227014>



## ABSTRACTS IN PEER REVIEWED JOURNAL

- **K Maloney, T. Ferguson, K DeCeulaer.** Clinical and immunological characteristics of 150 Systemic Lupus Erythematosus patients in urban Jamaica. *Arthritis Rheumatol* 2015; 67:111
- **K Maloney, T. Ferguson, K DeCeulaer, HD Stewart.** Patterns of medication use among Systemic Lupus Erythematosus patients in urban Jamaica: relationship with disease activity and organ damage. *West Indian Medical Journal* 2015; 64 (suppl4):32.
- **EN Barton.** Organ transplantation – Ethical issues. *West Indian Medical Journal* 2015; 64 (Suppl. 4) 17
- **GP Reid, EW Williams, DK Francis, MG Lee.** Acute pancreatitis at the University Hospital of the West Indies, Kingston, Jamaica – A Seven-year retrospective review. *West Indian Medical Journal* 2015; 64 (Suppl. 4) 23
- **SN Chin, C Walters, E Williams.** Breast cancer receptor profiles in Jamaica: A six-year analysis. *West Indian Medical Journal.* 2015; 64 (Suppl. 4) 31
- **S Rowe-Gardener, F Gayle, N Johnson.** Maternal and fetal outcomes of anti-epileptic drug use in Afro-Caribbean patients. *West Indian Medical Journal* 2015; 64 (suppl. 4) 36.
- **Kathy-Ann Pate-Robinson, Tamara Thompson, Tanya Clarke, Trevor Ferguson.** The Chikungunya Outbreak in Jamaica: Clinical Features and Outcomes of Patients Seen at an Urban Hospital in September 2014. Abstract #53013 ID Week – *Infectious Diseases society of America* October 2015.
- **Nikkiah Forbes, Glenise Johnson, Morton Anthony C. Frankson, Kathy Johnston, Indira Martin, Andrica Smith, Keith McConnell, Rochelle Sands, Audene Garrison, Sharon Weissman, Tamara Thompson, Stanley Read,** The HIV Continuum of Care in the Bahamas in 2012. Abstract #52461 ID Week – *Infectious Diseases society of America.* October 2015.
- **Lyle-Miller L, Ferguson TS, Wright-Pascoe R.** “Factors Associated with Medical Non-Compliance among Patients with Type 2 Diabetes

at the University Hospital of the West Indies. *West Indian Medical J* 2015; 64 (Suppl 1): 36.

- **EN Barton.** Diabetes and the Kidney. *West Indian Med J* 2015; 64: (suppl. 1): 22
- **Wright-Pascoe R.** Glycaemic Control for the Prevention of Diabetic Neuropathy. *West Ind. Med J* 2016; 65 (Suppl. 1), 23.
- Menon U, Williams M, Grindley T, **Ali A.** Managing Epilepsy With Limited Resources: Review Of An Epilepsy Cohort In Jamaica, 2007 – 2015. Poster presentation, American Epilepsy Society (AES) Annual Meeting, December 2015, Philadelphia, PA, USA.

## PRESENTATIONS

### Dr K Hoe

- Characteristics and outcomes of Community Acquired Acute Kidney Injury in Jamaica
- 8th Annual International Conference on Nephrology, Jan 2016
- Handling a sinking ship: Management of Sickle Cell Nephropathy
- 8th Annual International Conference on Nephrology, Jan 2016

### Professor R Wright Pascoe

- “Emerging Obesity Concepts transitioning”. “Emerging Hormonal and Gut Peptide-based therapies for treatment of obesity and Type 2 DM”. 4th Annual Caribbean Obesity Forum. October, 2015.
- Control of Diabetes – Preventing Kidney Disease”. 8th Annual International Conference on Nephrology and Hypertension: January, 2016.
- Thyroid Nodules: What do the new guidelines say? The Caribbean Endocrine Society (CARES) Annual Symposium: “Endocrine Tumours”. April, 2016.
- Improving Glycaemic Control: When Metformin Efforts are not enough”. November, 2015.

## Department of Medicine

- Blood Pressure lowering in Type 2 Diabetes: Reducing Deaths and Cardiovascular Outcomes”. January, 2016.
- Forum on Reversing Diabetes: is it a possibility or is it a Dream?” April, 2016.
- The Workshop: Insulin Therapy for the Management of patients with Type 1 and Type 2 Diabetes Mellitus”. May, 2016.

### **Dr M Fitz-Henley**

- Case Presentations: Hereditary telangiectasia; 5th Disease. June, 2015
- Darrier’s disease; Livedo Reticularis presenting with Pigmentation. September, 2015
- Interesting cases from the Dermatology Association of Jamaica, 2014–2015. Caribbean Dermatology Association 24th Annual Conference. November, 2015
- The Epidemiology of Pityriasis Rosea in an Office Practice in Jamaica. Caribbean Dermatology Association 24th Annual Conference. November, 2015
- Cutaneous Manifestations of Collagen Vascular Disorders. November 2015.
- Diagnosis and Management of Vesicular and Bullous Lesions. April, 2016.

### **Dr L Chin**

- Diabetes Prevention and Screening: An Overview of the Local Practices – ADA and Jamaican Guidelines. 26 July 2015.
- The Association between Early Life Factors and Cortisol Awakening Response in Adolescents. Poster Presentation at ENDO 2015 Conference.

### **Dr T Thompson**

- Special considerations for women and HIV. 3rd CHART-CCAS-CMLF Joint Meeting (11th CCAS HIV/AIDS International Workshop)

**Dr C Collie**

- “Cigarette smoking and lung cancer. November 2015
- Lung Cancer and Cigarette Abuse” for the Jamaica Cancer Society – December 2015

**Dr T Murphy**

- Bowel Preparation in the patient with Renal Disease. Caribbean Institute of Nephrology’s Annual conference. January 2016

**Professor E Barton**

- Acute Kidney Injury/Community Acquired. 8th Annual Conference on Kidney Disease and Hypertension. January 2016
- Chronic Kidney Disease and financial constraints on a tertiary institution. June 2016

**Dr M Hoo Sang**

- Current Guidelines for Management of Hypertension. June 2016

**Dr Y Dawkins**

- Colorectal cancer surveillance in inflammatory bowel disease. March 2016

**Dr K Maloney**

- Clinical and immunological characteristics of 150 of Systemic Lupus Erythematosus patients in urban Jamaica.
- American College of Rheumatology, Annual Meeting, November 2015.
- Patterns of medication use among Systemic Lupus Erythematosus patients in urban Jamaica: relationship with disease activity and organ damage. November 2015.
- KLAS FM – “Health Focus” – Lupus Awareness Month. October 2015.
- LOVE 101 FM – “Morning Watch” – Lupus Awareness Month. October 2015.

- CVM TV “Health Talk” - Lupus Awareness Month. October 2015.

**Dr A Ali**

- Theories of Economics applied to choosing AEDs: even more relevant in under-resourced areas? 5th North
- American Regional Caribbean Congress on Epilepsy. March, 2016.
- Advancing specialised health care in middle-income countries like Jamaica. Henley Business School, University of Reading, UK. March, 2016.
- Cannabis usage in the Context of Neurological Disease. Cannabinoids in Clinical Practice, Toronto, Canada, April, 2016.
- Cannabis usage in the treatment of Neurological Disease in Jamaica. April, 2016.
- Neurological complications of Zika infection: the Kingston Public Hospital; experience. June, 2016

**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, Health and Wellness Tourism Steering Committee, JAMPRO

**Professor R. Wright-Pascoe**

- Member of the Building Capacities for Community Engagement in Salt Reduction Using Good Marketing for the Caribbean
- Associate Voluntary Professor assessing candidates for visiting Doctors, Visiting Lecturers, residency and medical elective clerkships for students, William J. Harrington Medical Training Programme for Latin America

- Member, Health Caribbean Coalition (HCC). Helping to evaluate the HCC Capacity Assessment of Civil Organizations in Jamaica for the non-communicable diseases in Jamaica
- Chairman, Jamaica National Committee on Non-Communicable Diseases, Ministry of Health
- Member, Council of the Medical Association of Jamaica
- Chairman, Board of Management of Central Medical Laboratories
- Member, Medical Tribunal Unit of the Medical Council of Jamaica

**Professor Everard Barton**

- Renal clinic outreach Mandeville Regional Hospital and St. Ann's Bay Hospital.
- Community screening for chronic diseases, St. Ann, Kingston
- Acquisition and distribution of food stuff to needy dialysis patients and patients with HIV
- Arranging and bringing to Jamaica charitable organization Bridge of Life group – doing AV fistula in Jamaica 80 AV fistula, Mandeville, St. Ann, Montego Bay
- 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), Caribbean wide screening for Kidney disease in the English speaking Islands/countries.
- Screening for Kidney Disease, Diabetes, hypertension, obesity and HIV among security force personnel, Jamaica
- Outreach programme re HIV working with Global Limited and Bridge for Life for aid to Jamaican Hospitals

**Dr A K Soyibo**

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

## Department of Medicine

- Development of an Operational Policy manual and Haemodialysis Orientation Manual for University Hospital of the West Indies and satellite Units
- Development of an Operational Policy manual and Haemodialysis Orientation Manual for Tobago

### **Dr. Lisa Hurlock**

- Cardiologic evaluation Physician for swimmers for Jamaica

### **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
- 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, technical support to National HIV/STI Programme as the Director for the Treatment Care
- Representative to the Country Coordinating Mechanism for the Global Fund Against HIV/AIDS, Tuberculosis
- 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 for the Racers (Usain Bolt's) Running Club
- Member of the Medical Committee for the JAAA January

**Dr A. Ali**

- Zika Taskforce of Ministry of Health, Jamaica.
- Associate Editor, Journal Concussion by SAGE Publications, (UK)
- Member, Education Taskforce of International League Against Epilepsy (ILAE)
- Member, The Bhutan Epilepsy Project
- Member, Stigma Taskforce of the North American Commission of the ILAE
- Member, International Affairs Commission of the American Epilepsy Society (AES)

**Dr K. Maloney**

- Vice president Lupus foundation of Jamaica

**Dr F. Gayle**

- Jamaica National Health Fund Medical Expert Panel

**Dr P. Scott**

- Treasurer Church of the Ascension Anglican Church
- Youth Coordinator, Church of the Ascension, Mona
- Summer Retreat for youths via Anglican Youth Fellowship, Church of the Ascension, Mona
- Local industry monitoring of lung function in workers in keeping with International Labour Organization (ILO) standards

**Dr T. Thompson**

- Women's Health Network of Jamaica (WHN) – member, annual volunteer



**Dr. K. Hoe**

- Member of Kidney Support foundation Jamaica and UHWI Kidney Foundation
- Co-ordinator for Davita (Bridge of Life) mission

**Dr. M. Fitz-Henley**

- Church Elder in the inner city of Greenwich Town, Kingston 13.