

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 continued to provide excellence in teaching and service whilst maintaining its research output despite experiencing several challenges during the period August 1, 2010 to July 31, 2011. There was a changing of the guards with the previous Head demitting office August 2010. The Department is grateful to Professor E. Barton for his tremendous work as the previous Head.



Teaching

The main challenge for the Department was the increasing number of Undergraduate students in the MBBS programme. The dedicated staff rose to the challenge and adapted to the increased number of students. Although the bulk of students were assigned to the University Hospital of the West Indies (UHWI), some of the 5th year students were assigned to the Kingston Public Hospital (KPH), the Cornwall Regional Hospital and the Mandeville Regional Hospital. The Associate Lecturers at these institutions were able to accommodate and teach the students adequately. The feedback was generally good from the students regarding their experience at the peripheral sites. The 3rd year clinical students were divided between KPH and the UHWI.

The teaching at UHWI for the MBBS programme has been evolving to 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. The

guidelines for the clerkships have been updated and the topics for the daily teachings standardized.

The main May/June final MBBS final examination was conducted very successfully and of the 112 students taking the Medicine examination 111(99%) passed with 14 obtaining Honours. The excellent result is certainly one of the highest passing rates in the examination and the highest number receiving Honours.

The DM programme was established nearly 40 years ago and continues to be strong with dedicated teachers. The programme continues to train specialists in Internal Medicine for Jamaica and the Caribbean. However, there is 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

The research output has increased over the past two years and approximately 30 full peer reviewed articles were published in 2009 – 2010 and 20 in 2010 - 2011.

Outreach Service

The outreach programmes continued at the Mandeville Regional and St Ann's Bay Hospitals and the Department continues to strive to create an academic and clinical environment for teaching and for preventative and curative medicine. The Department was instrumental in establishing a renal dialysis unit at the Mandeville Regional Hospital. A monthly Nephrology clinic is held at the St Ann's Bay Hospital. The Department has continued with consultation services and gastrointestinal procedures at the Princess Margaret Hospital, St. Thomas. The Department is also helping to start a Gastrointestinal Service at the Spanish Town Hospital and has started training nurses in preparation. A DM graduate, partially trained in Gastroenterology is now on staff at the Spanish Town Hospital. Several members of staff are resource personnel on non-governmental organizations concerned with public health and charity.

There were several visitors to the Department.

Professor Richard Holloway, Head Gastroenterology, University of Adelaide, Australia, had meetings with the HOD and other staff members and participated in Gastroenterology rounds and presented a lecture on Gastroesophageal Reflux disease.

Dr. J Fred Ralston, President of the American college of Physicians, attended the Special Residents Round and the Rolf Richards distinguished Lecture and had discussions with the HOD, staff members and the DM postgraduate students.

Professor Akinlolu Oju, University of Michigan, gave the Rolf Richards distinguished Lecture and is collaborating with staff members on several proposals for research.

Professor W. Lowell Maughan, Johns Hopkins University, division of Cardiology met with the HOD and cardiologists in the Department to discuss collaboration with the proposed Cardiology Fellowship Programme.

Professor Frank C. Brosius, Head Division of Nephrology, University of Michigan, gave the Professor Erick Cruickshank Distinguished Lecture. He met with the HOD and Nephrologists. He discussed collaborative work in renal disease. He also held a seminar with 5th year students and with the DM Post-graduate students.

PAPERS PRESENTED

Dr. Trevor Murphy

- Gastroenterology Year in Review, Annual Postgraduate course Association of West Indian Gastroenterologists, April 2010
- Colorectal Cancer Screening – February 2011.
- Recognition of Microscopic Colitis in Jamaica. Annual Postgraduate course Association of West Indian Gastroenterologists April 2010

- “GERD...could the stomach be the problem” Caribbean College of Family Physicians, Sept 2010
- Gastroesophageal reflux, Association of West Indian Gastroenterologists and AZ Symposium. 2011

Dr. Rosemarie Wright–Pascoe

- Alcohol, pancreatitis, impaired glucose tolerance and diabetes mellitus, The University Diabetes Outreach Programme (UDOP) 17th Annual International Conference 2011
- Assessment and management of the Adrenal Incidentalomas. The University Diabetes Outreach Programme (UDOP) 17th Annual International Conference 2011
- The management of diabetes mellitus in Chronic Kidney Disease. 3rd Annual International Conference in Nephrology and Hypertension of the Caribbean Institute of Nephrology. January 27-28, 2011.
- Metabolic Syndrome – Diagnosis and Treatment. The 6th Annual Clinical Conference of the Diabetes Educators of the Caribbean. September 25-26, 2010.
- Management of Diabetes in Chronic Kidney Disease. Department of Medicine and the Caribbean Institute of Nephrology Symposium, January 2011.
- Type 2 diabetes: Approaches to getting patients to their A1c goal. The Caribbean Endocrine Society. Sept 24, 2010.
- “What’s New in Diabetes” Jamaica Association of Radiologists Symposium September 9, 2011
- “Thiazolidinediones – the ongoing debate” The Medical Associates Hospital CME Meeting. September 2, 2010.

Professor Michael Lee

- Helicobacter pylori in Jamaica, Association of West Indian Gastroenterologists and AZ Symposium, July 2011
- Screening for colon cancer, Annual Joint Conference of Association of Consultant Physicians, Jamaica Cancer Society, Association of West Indian Gastroenterologists and Ministry of Health. March 2011

Dr. Mike Mills

- NSAIDS and GI bleeding, Association of West Indian Gastroenterologists and AZ Symposium.2011

Dr. Milton Arthurs

- Prevention of NSAIDS Upper GI injury, Association of West Indian Gastroenterologists and AZ Symposium.2011
- Irritable Bowel Syndrome, 9th Annual Symposium of the Association of Consultant Physicians of Jamaica. 2011.

Dr. Dwight Whittle

- NSAIDS and Gastric Protection, December, 2010.
- Targeted Biologic Therapies in Inflammatory Diseases Merck Sharp and Dohme's Conference, May, 2011.

Dr. Karen Phillips

- Diabetes, alcohol and the heart The University Diabetes Outreach Programme (UDOP) 17th Annual International Conference 2011

Dr. Adedamola Soyibo

- Management of CKD in Hypertension and Diabetes Tobago World Kidney day Conference 2011.

- Lifestyle data of patients with chronic Kidney Disease in Jamaica. 3rd Annual Conference of Nephrology and Hypertension. 2011.
- Renal complications of HIV in the emergency department Jamaica Emergency Medicine Association (JEMA). 2011

Dr. Amza Ali

- Seizures in Sickle Cell Disease: the Jamaican experience. Special Invited Lecture, Barbados
- Seizures in Sickle Cell Disease: the Jamaican experience. Antigua
- Jamaica and the Caribbean: A Needs Assessment. Partnering Epilepsy Centers in the Americas (PECA) Symposium. San Antonio, TX, USA.
- Internal Medicine and Neurology in Jamaica. Quebec Society of Internal Medicine Annual Symposium, Jamaica.
- The Evolution of Epilepsy Care in Jamaica and the English-speaking Caribbean. 5th Annual Swibelius Lectureship and Award, Yale University, New Haven, CT, USA.

Dr. Althea Aquart-Stewart

- “An Update on ARDS”. Nurse Anaesthetists Annual Conference. November 2010.
- “ARDS – What’s New What’s Different” Caribbean Neurosciences Conference, January 2011.

PUBLICATIONS

Refereed Journal Articles

WIMJ = West Indian Medical Journal

August 2010 to July 2011

- * NA Logan, M Gossell-Williams, **MG Lee**. “Upper gastrointestinal bleed induced by non-steroidal anti-inflammatory drugs/aspirin in Jamaica”. *Internet Journal of Gastroenterology*. ISSN: 1528-8323 2010; volume 1, Number 1
- * K Foster-Williams, N. Younger, A Brown- Dennis, DE Ashley, A McCaw-Binns, M Samms-Vaughan, **W Williams**, GR Sarjeant. “Perinatal Factors in students admitted to the University of the West Indies. Data from the Jamaican Perinatal Study”. *WIMJ* 2010; 59(3) 295-299.
- * Irving , Rachel, Tusie Luna MT, Mills James, **Wright-Pascoe Rosemarie**, McLaughlin Wayne, Agilar Selinas Carlos : Diabetes tipo 2 de Inicio Temprano en Jamaica y en Mexico. Oportunidades denvades de un astudio interetnias. *New Invest Clinii* 2011; 63(2):198-209
- * **R Wright-Pascoe**. “Endocrine Disorders in a Specialist Hospital in Jamaica”. *J Int Med Res*. 2010; 38 (5): 1808-15.
- * Ferguson TS, Tulloch-Reid MK, Younger NO, Boyne MS, **Wright-Pascoe RA, Elliott VE**, Van den Broeck J, and Wilks R. “Cardiovascular disease among diabetic in-patients at a tertiary hospital in Jamaica”. *Diabetes and Vascular Disease Research* 2010 June 29(Epub ahead of print)
- * Ferguson TS, Tulloch-Reid MK, Younger NO, **Wright-Pascoe RA**, Boyne MS, McFarlane SR, Francis DK, Wilks RJ. “Cardiovascular diseases among patients attending a specialist diabetes clinic in Jamaica”. *Research Reports in Clinical Cardiology*, March 2011; 2 41-50, <http://dx.doc.org/10.2147/rccs.s14779>

- * **DO Whittle, AK Soyibo** “Colorectal Cancer” *WIMJ* 2011; 60(2): 106
- * **SN Chin**, MS Boyne, D McGrowder, TN Gibson, CA McKenzie. “The Predictive Value of Vanillylmandelic Acid Testing in the Diagnosis of Pheochromocytoma at The University of the West Indies” *WIMJ* 2011; 60 (2): 141-147
- * **R Alfred, R Wright-Pascoe**. “Acute Limb Ischaemia in a Septic Patient with Diabetic Ketoacidosis” *WIMJ* 2011; 60 (2): 214-216 .
- * **TM Clarke**, P. Johnson, D. Webster, **DT Gilbert, EN Barton**. “Transient Cortical Blindness Post Angiography: A case report”. *WIMJ* 2011; 60(3) 357-354
- * **AK Soyibo**, L. Roberts, **EN Barton**. “Chronic Kidney Disease in the Caribbean”. *WIMJ* 2011, 60(4) 464-470
- * **Clarke TR, Barrow G, Gilbert DT, Barton EN**. “A Possible case of Spinal Tuberculosis in a HIV positive male”.*WIMJ* 2010, 59 (4): 453-4.
- * Ali SB, Reid M, Fraser R, MooSang M, **Ali A**. “Seizures in the Jamaica Cohort Study of Sickle Cell Disease” *Br J Haematol*. 2010 Nov; 151(3): 265-72. Epub 2010 Aug 31.
- * **Gordon-Perue G, Gayle F**, Fraser R, **Ali A**. “Quality of Life of Persons with Epilepsy in Kingston, Jamaica”. *Epilepsy Behav*. 2011 May; 21(1) :23-6. Epub 2011 Apr 1.
- * **Chin SN**, Kim TK, Siu LL. “Hepatic Steatosis Secondary to Capecitabine: a case report”. *Journal of Medical Case Reports*. 2010 July; 4: 227
- * **M Kaliamurthy, MG Lee, M Mills, T Murphy** “Upper Gastrointestinal Bleeding. A Jamaican Perspective“ *WIMJ* June 2011; 60 (3): 289-292

- * **MG Lee**, CD McGaw, **L Chin**, MAC Frankson, CA Walters
“Propofol Sedation in Patients Undergoing Colonoscopy in
Jamaica” *WIMJ* June 2011; 60 (3):284-288
- * **DO Whittle**, **MG Lee**, B Hanchard “Peutz-Jeghers Syndrome”
WIMJ June 2011; 60 (3): 340-343.
- * **EN Barton** “Sixtieth Anniversary” *WIMJ* 2011;60(4) 377-381
- * Plummer JM, Mitchell DI, **Arthurs M**, Leake PA,
Deans-Minott J, Cawich SO, Martin A. “Laparoscopic
colectomy for colonic neoplasms in a developing country”. *Int J
Surg.* 2011; 9(5):382-385.

Abstracts in Peer Reviewed Journal

- * NA Logan, M Gossell-Williams, **MG Lee**. “Upper
gastrointestinal bleed induced by non-steroidal anti-
inflammatory drugs/aspirin in Jamaica” *WIMJ*, 2010; 59:
(Suppl. 4): 37
- * D Carrington, J Duncan, JLM Lindo, **EN Barton**, **TR Clarke**,
G Barrow, JP Figueroa, **K Harvey**, “A base line assessment of
adherence to antiretroviral therapy among persons living with
HIV/AIDS in Jamaica” *WIMJ* 2010; 59: (Suppl. 4): 40
- * G Williams, **MB Lawrence-Wright**, MO Grant. Prevalence
and clinical correlates of multivessel coronary artery disease in
Jamaica, *WIMJ* 2010; 59: (Suppl. 4): 41
- * **SN Chin**, JM Plummer, N Williams, RP Graham, G Wharfe
“The predictive value of histomorphologic features of the
diagnosis of microsatellite instability and Lynch Syndrome in
the young Jamaican colorectal cancer population” *WIMJ* 2010;
59: (Suppl. 4): 42
- * JD Yang L Aderca, CD Moser, K Gores, TA Mettler, LM
Stadheim, GJ Gores, DM Nagorney, KN Lazaridis, **MG Lee**,
LR Roberts. “Family study of germline axin mutations in
ossifying malignant mixed epithelial and stromal tumor of the

liver” Proceedings of Fourth International Liver Cancer Association Annual Conference September, 2010

- * O Heslop, MF Smikle, **EN Barton**. The geographical distribution of human immunodeficiency virus Type -1 (HIV-1) subtypes in Jamaica, *WIMJ* 2010; 59: (Suppl. 4): 42
- * JN Plummer, **SN Chin**, N Williams, R Graham, G Wharfe “Lynch-syndrome in a population predominantly of African descent: a clinicopathological and genetic study” *WIMJ* 2010; 59: (Suppl. 4): 51
- * TS Ferguson, N Younger, MK Tulloch-Reid, **MB Lawrence-Wright**, TE Forrester, RS Cooper, J Van den Broeck, RJ Wilks. “Progression from Prehypertension to Hypertension in a Jamaican Cohort: Incident Hypertension and its Predictors” *WIMJ* 2010; 59: (5): 486
- * S Cawich, **M Arthurs**, **T Murphy**, AC Martin, DIG Mitchell, G Gordon-Strachan “Screening for common duct stones with pre-operative endoscopic cholangiography in a sickle cell cohort” *WIMJ* 2010; 60 (Suppl. 2): 46
- * M Isaacs, HE Harding, **M Arthurs**, SO Cawich, AC Martin, HA Roberts, G Gordon-Strachan. An audit of ERCP morbidity in patient with homozygous sickle cell haemoglobinopathy at the University Hospital of the West Indies, *WIMJ* 2010; 60 (Suppl. 2): 51
- * **Wright-Pascoe R**, Old Foes, New Enemies, Future Threats” *WIMJ* 2010, 89 (Supple) :2
- * TS Ferguson, MK Tulloch-Reid, N Younger, **R Wright-Pascoe**, MS Boyne, SR McFarlane, DK Francis, RJ Wilks. “Prevalence of diabetic foot complications among patients attending a Specialist Diabetes Clinic in Jamaica.” *WIMJ* 2011; 60 (Suppl 2): 25-26.

- * **R Wright-Pascoe.** “Alcohol, Pancreatitis and Impaired Glucose Tolerance and Diabetes Mellitus.” *WIMJ* 2011; 60 (Suppl 1): 31.
- * **R Wright-Pascoe.** “Assessment and Management of the Adrenal Incidentaloma.” *WIMJ* 2011; 60 (Suppl 1): 40.
- * Shelly McFarlane, Trevor S Ferguson, Novia OM Younger, Damian K Francis, Marshall K Tulloch-Reid, **Rosemarie A Wright-Pascoe**, Michael S Boyne, Rainford J Wilks. “Alcohol consumption among Jamaican Patients with Diabetes.” *WIMJ* 2011; 60 (Suppl 1): 47-48.
- * **P Francis, M Boyne, A East-Innis, R Wright-Pascoe.** “Acanthosis nigricans as a predictor of metabolic control in type 2 diabetes.” *WIMJ* 2010; 59 (Suppl 4): 43.
- * **Wright-Pascoe R.** “New Approaches to Diabetes Management: Maintaining Long-term Glycaemic Control.” *WIMJ* 2010; 59 (Suppl 1): 31.
- * **K. Phillips.** “Diabetes, alcohol and the heart” *WIMJ* 2011; 60(Suppl. 1): 24

PUBLIC SERVICE

Professor Michael Lee

- Member, Board of Executive, Food For the Poor
- Chair, Medical Committee, Food For the Poor
- Member, Medical Review Pane. Ministry of Health, Jamaica

Dr Trevor Murphy

- Secretary, Association of West Indian Gastroenterologists

Dr. Althea East-Innis

- Vice President, Caribbean Dermatology Association

Dr. Charlton Collie

- Chairman, Board of Directors, Pre-University School
- Board member, University Council of Jamaica

Dr. Althea Aquart-Stewart

- 2nd Vice President, Association of Consultant Physicians
- Chairperson, Conference Committee Symposium 2010
.Association of Consultant Physicians – “Updates In Internal
Medicine: Endocrine & Cardiovascular Diseases”