

DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE



Professor Newton Duncan, MBBS, DM (General Surgery), FACS
Head of Department

WORK IN THE DEPARTMENT

The Department of Surgery, Radiology, Anaesthesia and Intensive Care is the largest clinical department in the Faculty of Medical Sciences. During the year under review over 1,500 undergraduates and post graduates rotated through our Department. This number includes elective students from the United Kingdom, Canada, Germany, Africa and the Caribbean. The Doctor of Medicine postgraduate training programmes had an increase in enrolment with Plastic Surgery entering its second year and accepting three trainees to have a total enrolment of six Residents. An average of three to four new residents were accepted to the following programmes: General Surgery, Orthopaedics, Neurosurgery, Urology, Paediatric Surgery, Cardiothoracic Surgery, Ophthalmology, Otorhinolaryngology, Radiology, Anaesthesia and Emergency Medicine.

A recent expansion of undergraduate teaching to include Savanna-La Mar Hospital became necessary with the scaling down of teaching at Cornwall Regional Hospital. An increased number of undergraduate students had to rotate through Kingston Public Hospital, St Ann's Bay Hospital, May Pen Hospital, Spanish Town Hospital and Mandeville Regional Hospital. All sites had assessments by the Accreditation Committee of the Faculty of Medical Sciences which sought to ensure similarity in the educational experience across all training sites. In addition, lecturers from the Mona campus visited non-UHWI teaching sites regularly with a view to ensuring harmonization of teaching topics and methodology.

The Department hosted in July 2017, the 16th JMMB Group and Joan Duncan Foundation sponsored, William Dennis Memorial Lecture. The lecture chaired by Professor Barrie Hanchard, was delivered by The Hon. Denise Eldemire-Shearer, Professor, Public Health & Ageing, UWI, Mona. Her lecture entitled, "Ageing – Implications for Tomorrow's Health", was a resounding success.

The 15th staging of the Caribbean Neurosciences Symposium and Charity Golf Tournament was held in January 2017 at the Montego Bay Convention Centre. The theme was: "The Evolution of a Patient, from Presentation to Definitive Care". The Symposium was organised and hosted by the Caribbean Neurological Association along with the Department of Surgery, Radiology, Anaesthesia and Intensive Care and the Division of Neurosurgery at the University Hospital of the West Indies.

The Fellowship in Critical Care offered by the Section of Anaesthesia had its first graduate in 2017. This fellowship is a post DM training programme which admits graduates from the DM Anaesthesia, Internal Medicine or Surgery programmes to study critical care interventions at the Intensive Care Unit of the University Hospital of the West Indies.

The Section of Ophthalmology commenced diabetic retinal screening in conjunction with Moorefield /Homerton NHS Trust. This division under the leadership of Dr Lizette Mowatt has been charged to train personnel in diabetic retinopathy screening throughout the Ministry of

Health hospitals. The Ophthalmology division also received a state of the art laser from the Latter Day Saints Charities of The Mormon Church.

DEPARTMENTAL STAFF MOVEMENTS

Dr. Allie Martin resigned during the period. Three new staff were appointed as follows: Dr Leo-Paul Powell, Lecturer in Surgery, Dr. Sunil Stephenson, Cardiothoracic Surgery, Dr Paula Dawson, Lecturer and Consultant in Physical Medicine and Rehabilitation

Dr. Hugh Ashman and Dr. William Aiken were promoted on tenure; and Dr. Peter Johnson was promoted to Senior Lecturer

Employee Developments

Recent Lecturer appointees are encouraged to attain higher degrees such as the MSc Epidemiology and PhD degrees through TMRI. To date three lecturers, Dr. Leo-Paul Powell, Dr. Patrick Roberts and Dr. Wayne Palmer have achieved the MSc Epidemiology degrees and Dr Belinda Morrison is currently a PhD candidate in epidemiology at the Tropical Metabolism Research Institute at the University of the West Indies.

The Department maintains three Academic Research Registries:

1. **The Trauma Registry** – Has over 19,574 records which continue to provide ample research material for injury related studies.
2. **The Intracranial Tumour Registry** – Based in the Section of Surgery's Research Office is constituted of over 1056 patient records, utilising the software CNExT. This project is a collaborative effort between the UHWI Neurosurgery Service in the Section of Surgery and the Sections of Radiology and Histopathology, UHWI Mona. Its aim is to create a radio-clinico-pathological database of intracranial tumours.
3. **The Colorectal Cancer Registry** – This registry maintains a data base on all cases of colorectal cancer sourced from major health facilities across Jamaica. To date over 1,381 cases have been recorded since its inception in January 2011. This data allows for evidence-based research in the diagnosis and treatment of colon cancer.

PAPERS PRESENTED

Major conferences/seminars

- **B Morrison** “Adverse pathology at radical prostatectomy in low risk prostate cancer”. Caribbean Urological Association Annual meeting- Jamaica Pegasus Hotel, Kingston, November 6, 2016
- **B Morrison** “Prostate Cancer Screening in Jamaica” Global Sciences of Prostate Cancer Disparities, Orlando, Florida, November 9–12, 2016
- **B Morrison** “Prostate Cancer Screening in Jamaica: Results of the Largest National Screening Clinic” Ministry of Health: 7th Annual National Health Research Conference
- **Belinda F Morrison**, Gareth Reid, Richard Mayhew, William D Aiken, Barrie Hanchard “Pathological upstaging and upgrading at radical prostatectomy in Jamaican men with low risk prostate cancer” American Urological Association, Boston, May 14, 2017
- **Belinda F Morrison**, Gareth Reid, Richard Mayhew, William D Aiken, Barrie Hanchard “Pathological upstaging and upgrading at radical prostatectomy in Jamaican men with low risk prostate cancer” Pan African Urological Association/Caribbean Urological Association meeting at the American Urological Association, Boston, May 15, 2017
- **Belinda F Morrison**, Gareth Reid, Richard Mayhew, William D Aiken, Barrie Hanchard “Pathological upstaging and upgrading at radical prostatectomy in Jamaican men with low risk prostate cancer” Caribbean College of Surgeons, Montego Bay, Jamaica, June 16, 2017
- **B Morrison** “The Who, what and why of prostate cancer in Jamaica” Jamaica Cancer Society Annual Prostate Cancer Public Forum- Jamaica Pegasus Hotel, September 11, 2016
- **B Morrison** “Erectile Dysfunction and Diabetes Mellitus in Jamaican males Pfizer CME meeting, Jamaica Pegasus Hotel, September 22, 2016

- **B Morrison** “Benign Prostatic Hyperplasia in Jamaica” Societe Internationale d’ Urologie Hilton Hotel, Buenos Aires, Argentina, October 19–22, 2016
- **B Morrison** “Clinical heterogeneity of prostate cancer in Jamaican men” Caribbean Association of Neurosurgeons (CANS), January 29, 2017
- **B Morrison** “Male Infertility in Sickle cell disease”Jamaica Urological Society Annual Symposium, March 5, 2017
- **B Morrison** “Erectile dysfunction: Diagnosis and treatment”University of Technology Public Health Year 1 Students, April 12, 2017
- **B Morrison** “Vasculopathy and genito-urinary manifestations in men with sickle cell disease” Caribbean Institute for Health Research Seminar. June 12, 2017
- **B Morrison** “Am I a survivorship? Perspectives on the definition of cancer survivorship?” Cancer Support Services Conference, Barbados, June 24, 2017
- **MEC McFarlane** “Management and investigation of benign breast disease” . Presented at the Gynaecology & Women’s Health Workshop, The Association of General Practitioners of Jamaica, Annual Clinical Conference, Jamaica, July 9, 2017
- **S. French** Focused Assessment with Sonography in Trauma (FAST): The Medical Association of Jamaica Conference Jamaica Pegasus June 2017
- **Romayne Edwards** Pulmonary Embolism JEMA Conference Jamaica Pegasus, March 2017
- **Celeste Maycock** Acute Tears when every second counts-JEMA Conference Jamaica Pegasus, March 2017
- **Vaughan K.** “Twenty years of Slipped Upper Femoral Epiphysis: What have we learnt?” Caribbean Association of Orthopaedic Surgeons. Nassau Bahamas, October 2016
- **Palmer W.** “Effect of Lower Limb injuries on admissions from Road Traffic Accidents.” Jamaican Orthopaedic Association 22nd Annual Symposium. Kingston Jamaica, February 2017

- **Ameerally A.** “Principles of total Joint Arthroplasty.” Jamaican Orthopaedic Association 22nd Annual Symposium. Kingston Jamaica, February 2017
- **Mansingh A.** “Sports Related Trauma Injuries”. Medical Association of Jamaica Annual Symposium, Kingston Jamaica, June 2017
- **Mansingh A.** “Anti Doping” ICC presentation to West Indies Women’s Team. Barbados, May 2017
- **Lizette Mowatt.** Fundoscopy for the Internist. Review of Internal Medicine: Department of Medicine, FMS retreat – Main Medical Lecture theatre, July 2, 2017
- **Lizette Mowatt.** Ocular Trauma at the UHWI (Adults & Paeds). Medical Association of Jamaica (MAJ) Symposium, Jamaica Pegasus, June 2017
- **Lizette Mowatt .** Ocular Trauma in Children Paediatric Association of Jamaica (PAJ) (21st Biennial International Paed Conference) FMS, UWI, April 29, 2017
- **Lizette Mowatt.** Diabetic Retinopathy: Journey from vision to blindness – can we prevent it? Ophthalmological Society of Jamaica (OSJ) – (7th Annual Conference) Jamaica Pegasus, March 19, 2017
- **Lizette Mowatt.** Micropulse Laser treatment in diabetic macula oedema. Ophthalmological Society of Jamaica (OSJ) (7th Annual Conference) Jamaica Pegasus, March 19, 2017
- **Lizette Mowatt.** Diabetes – the journey from vision to blindness. Caribbean Neurological Association (CANS) (15th Annual Conference), Montego Bay Convention Center, January 28, 2017
- **Donovan Calder.** Eye Trauma. Association of General Practitioners of Jamaica (AGPJ), Ophthalmology Workshop, Alhambra Inn, January 15, 2017
- **Lizette Mowatt.** Diabetic Retinopathy Screening. Ophthalmology Symposium by the Ophthalmological Society of Jamaica (OSJ), World Sight Day, Main Medical Lecture Theatre, November 27, 2016
- **Lizette Mowatt.** The Burden of Diabetic Retinopathy at the UHWI.

The MOH National Research Health Conference, Jamaica Conference Centre, Downtown, Jamaica, November 25, 2016

- **Lizette Mowatt**, A. Mc Donald and D Ferron Boothe. Paediatric Ocular admission trauma cases at the UHWI. The MOH National Research Health Conference, Jamaica Conference Centre , Downtown, Jamaica, November 25, 2016
- **Lizette Mowatt**. A Mc Donald and D Ferron Boothe. Adult Ocular admission trauma cases at the UHWI. The MOH National Research Health Conference, Jamaica Conference Centre, Jamaica, November 25, 2016

POSTER PRESENTATIONS

- Ajanaku D, Knight-Madden J, **Mowatt L**. Knowledge, beliefs and practices regarding sickle cell eye disease of patients at the Sickle Cell Unit, University of the West Indies, Jamaica Royal College of Ophthalmologists, Liverpool Convention Centre, Liverpool, UK May 22–24, 2017
- Anderson K, **Mowatt L**. Incidence and Severity of ROP at the University Hospital of the West Indies. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016
- Amarakoon S, **Mowatt L**. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016
- Chin M, **Mowatt L**. The Accuracy, Quality and Timing of Referrals to the Ophthalmology Department at the University Hospital of the West Indies. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016
- Jackson S, **Mowatt L**, Prevalence of Chlamydia Conjunctivitis in Jamaica. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016
- Foster T, **Mowatt L**. Knowledge, beliefs, practices and QOL of

patients with Diabetic Retinopathy at UHWI. Ministry of Health, National Research Health Conference, Jamaica Conference Center, November 24–25, 2016

- **Mowatt L**, Mitchell P, Peto T, Zondervan M. Diabetic Retinopathy Screening at the UHWI, Jamaica. 10th General Assembly of the International Agency for the Prevention of Blindness (IAPB), Durban, South Africa, October 27–30, 2016
- Foster T, **Mowatt L**, Mullings J. Knowledge, beliefs and practices in Diabetic Patients at the UHWI, Jamaica. 10th General Assembly of the International Agency for the Prevention of Blindness (IAPB), Durban, South Africa, October 27–30, 2016
- **Mowatt L**, Jackson S. Chlamydia prevalence in Jamaica. 10th General Assembly of the International Agency for the Prevention of Blindness (IAPB), Durban, South Africa, October 27–30, 2016
- **Mowatt L**, Watkins M. Model for Developing a Successful Eye Care Team for the Caribbean. 10th General Assembly of the International Agency for the Prevention of Blindness (IAPB), Durban, South Africa, October 27–30, 2016

REFEREED JOURNAL ARTICLES

- CK Angus, CA Walters, NP Hart, **R. Edwards, E. Williams, J Williams Johnson**. “Determination of Factors that Affect Time to Hospital Presentation in Patients with symptoms suggestive of an acute myocardial Infarction”. *The West Indian Medical Journal*; 09/2016; DOI:10.7727/wimj.2016.41
- **Reid G, Williams EW**, Francis DK, Lee M. “Acute pancreatitis: A 7 year retrospective cohort study of the epidemiology, aetiology, and outcome from a tertiary hospital in Jamaica” *Annals of Medicine and Surgery*. Printed <https://doi.org/10.1016/j.amsu.2017.07.014>
- **B Morrison, W Palmer**, M Reid, St Juste. “Fractures in Jamaican males with prostate cancer: A retrospective case series”. *West Indian Medical Journal* e-Published: October 26, 2016.

- D Clarke, S Franklin, S Mullings, **K Vaughan**, K Jones. “Subtalar Dislocation: Case Series Inclusive of the Rare Anterior Subtalar Dislocation and Review of the Literature.” *West Indian Medical Journal* e-Published: June 9, 2017.
- Clarke DO, **Christmas MU, Vaughan KD**. “The Unusual Osteochondroma: A Case of Snapping Scapula Syndrome.” *Orthopaedics and Traumatology: Surgery and Research* 2017.
- Clarke D, **Neil I, Vaughan K**, Smith T. “Radiographic Recognition of Cervical Instability in Rheumatoid Arthritis.” *West Indian Medical Journal*. 2017
- **M Christmas**. “Conservative Management of the Bilateral Congenital Dislocation of the Knee: A Case Report.” *West Indian Medical Journal* Vol 66, Issue 2: 2017.
- D Martin, G Nelson, **A Mansingh**, N Wade. “The Effect of Kinesio Taping on Pain and Jump Performance in Club Volleyball Players with Patellar Tendinopathy in the Cayman Islands.” *West Indian Medical Journal* e-Published: August 12, 2016
- Orchard J, Ranson C, Olivier B, Dhillon M, Gray J, Langley B, **Mansingh A**, Moore I, Murphy I, Patricios J, Alwar T, Clark C, Harrop B, Khan H, Kountouris A, Macphail M, Mount S, Mupotaringa A, Newman D, O’Reilly K, Peirce N, Saleem S, Shackel D, Stretch R, Finch C. “International Consensus Statement on Injury Surveillance in Cricket: a 2016 update.” *Br. J. Sports Med* 2016 50:20 1227
- **Leake PA, Toppin PJ**, Reid M, **Plummer JM, Roberts PO, Harding-Goldson H, McFarlane ME**. “Local Anesthesia Versus Local Anesthesia and Conscious Sedation for Inguinal Hernioplasty: Protocol of a Randomized Controlled Trial”. *JMIR Res Protoc*. 2017 Feb 7;6(2):e20. doi: 10.2196/resprot.6754.
- Massimo Sartelli, Alain Chichom-Mefire , Francesco M. Labricciosa, Timothy Hardcastle, Fikri M. Abu-Zidan, Abdurashid K. Adesunkanmi, Luca Ansaloni, Miklosh Bala, Zsolt J. Balogh, Marcelo A. Beltrán, Offir Ben-Ishay, Walter L. Biffi, Arianna Birindelli, Miguel A. Cainzos, Gianbattista Catalini, Marco Ceresoli, Asri Che Jusoh, Osvaldo Chiara, Federico Coccolini, Raul Coimbra, Francesco Cortese, Zaza

Demetrashvili, Salomone Di Saverio, Jose J. Diaz, Valery N. Egiev, Paula Ferrada, Gustavo P. Fraga, Wagih M. Ghnnam, Jae Gil Lee, Carlos A. Gomes, Andreas Hecker, Torsten Herzog, Jae Il Kim, Kenji Inaba, Arda Isik, Aleksandar Karamarkovic, Jeffry Kashuk, Vladimir Khokha, Andrew W. Kirkpatrick, Yoram Kluger, Kaoru Koike, Victor Y. Kong, Ari Leppaniemi, Gustavo M. Machain, Ronald V. Maier, Sanjay Marwah, **Michael E. McFarlane**, Giulia Montori, Ernest E. Moore, Ionut Negoii, Iyiade Olaoye, Abdelkarim H. Omari, Carlos A. Ordonez, Bruno M. Pereira, Gerson A. Pereira Júnior, Guntars Pupelis, Tarcisio Reis, Boris Sakakhushev, Norio Sato, Helmut A. Segovia Lohse, Vishal G. Shelat, Kjetil Søreide, Waldemar Uhl, Jan Ulrych, Harry Van Goor, George C. Velmahos, Kuo-Ching Yuan, Imtiaz Wani, Dieter G. Weber, Sanoop K. Zachariah and Fausto Catena “The management of intra-abdominal infections from a global perspective: 2017 WSES guidelines for management of intra-abdominal infections” *World J of Emerg Surg* 2017;12: 29 DOI: 10.1186/s13017-017-0141-6

- **Morrison BF**, White-Gittens I, Smith S, St John S, Bent R, Dixon R. Evaluation of sexual and fertility dysfunction in spinal cord-injured men in Jamaica. *Spinal Cord Ser Cases*. 2017 May 25;3:17026.
- **Morrison BF, Aiken WD, Mayhew R**, Gordon Y, Odedina FT. Prostate Cancer Knowledge, Prevention, and Screening Behaviors in Jamaican Men. *J Cancer Educ*. 2017 Jun;32(2):352-356.
- **MV Vincent, SE Dundas Byles, ND Duncan**, “Risk Factors and Prevention of Paediatric Burns in Jamaica” *West Indian Medical Journal*, Vol 66 Issue 1: 2017

ABSTRACT

- “Elevated Blood Pressure in Jamaican Patients: An evaluation in the emergency department at the University Hospital of the West Indies.” T Wilson, M Gossell-Williams, G Gordon Strachan, **S Dasgupta, E Williams**, R Wilks, EM Goldberg, P Levy, **J Williams-Johnson**. *West Ind Med J* November 2016 65 (S6) :47

DONATIONS

Division of Ophthalmology received a laser from the (Latter Day Saints Charities) Mormon Church

HONOURS AND AWARDS

Order of Distinction in the Rank of Commander

Dr. Kenneth Vaughan, CD

- For Excellence in Orthopaedic Surgery and Voluntary Community Service throughout the Caribbean

Order of Distinction in the Rank of Officer

Dr. Ian Titus, OD

- For Outstanding Contribution to Medicine

PUBLIC SERVICE

Professor Newton Duncan

- Member of the Board of Family Life Ministries, Jamaica

Professor Michael McFarlane

- Examiner, Caribbean Medical Council Examinations
- Honorary Consultant, Jamaica Cancer Society
- Member of the Board, Jamaica Cancer Society
- President, American College of Surgeons (Jamaica Chapter)
- Governor, American College of Surgeons (Jamaica Chapter)

Dr. Romaine Edwards

- Assistant Honorary Secretary of the Medical Association of Jamaica (MAJ)

Dr. Simone French

- Consultancy with PAHO/MOH for ESI training and implementation island wide. Training conducted with Dr. Paula Tanabe of Duke University
- Member executive National Resuscitation Council of Jamaica
- President, Jamaica Emergency Medicine Association

Dr. Celeste Maycock

- Immediate Past President of the Jamaica Emergency Medicine Association

Dr. Rhonda Hutson

- Member executive the Jamaica Association of Sports Medicine (JASM)

Dr. Praimanand Singh

- President ,Jamaica Association of Sports Medicine (JASM)
- Member, Jamaica National Council on Sports
- Member Board of the Jamaica Olympic Association

Dr. Eric Williams

- Dr. Eric Williams-Voluntary service to the National Children's Home

Dr. Jean Williams Johnson

- Member executive Caribbean Poison Information Centre (CARPIN)
- Member executive Jamaica Association of Sports Medicine (JASM)
- Member executive National Resuscitation Council of Jamaica