

DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE



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

WORK OF THE DEPARTMENT

The Department of Surgery, Radiology, Anaesthesia and Intensive Care (SURRADIC), the largest clinical department within the Faculty of Medical Sciences, is engaged in the training of under-graduate and post-graduate students, towards the MBBS Degree and Doctor of Medicine (DM) Degrees in Surgery, Radiology, Anaesthesia & Intensive Care and Accident & Emergency Medicine. DM Degrees are offered in the surgical specialties of General Surgery, Orthopaedics, Neurosurgery, Urology, Paediatric Surgery, Cardiothoracic Surgery, Ophthalmology and Otolaryngology.

The CHASE/Carnegie Laboratory which was inaugurated in 2011, has been increasingly utilized for skills training in General Surgery, Dentistry

and Orthopaedics. It has also been used for multi-disciplinary distance conferences. The Department conducted two basic surgical skills courses for undergraduate students and each was oversubscribed.

The Pre-Hospital Emergency Medical Service (PHEMS) programme has embarked on establishing a Bachelors of Science degree in paramedic training. This is being undertaken under the guidance of local faculty including, Drs., Simone French and Shuvra Dasgupta. Overseas support has been received from Professor Stephen Nardozzi of Westchester Community college. PHEMS has applied to become the chapter of the International Trauma Life Support International in Jamaica.

The Department, supported by Jamaica Money Market Brokers Ltd., hosted another well attended 12th William Dennis Memorial Lecture on July 18th 2013 in the Main Medical Lecture Theatre, Faculty of Medical Sciences. The Lecture entitled, “Chronic Non-Communicable Diseases, Alternate Paradigms for Inquiry & Intervention” was delivered by Professor Rainford Wilks. Dr. Carl Bruce, Consultant Neurosurgeon also organised another successful Caribbean Neurosciences Symposium in January 2013 at the Montego Bay Convention Centre and Half Moon Hotel. This was the 11th such conference hosted by the Division of Neurosurgery. This conference is the result of the collaborative work of Professor Ivor Crandon, Drs. Carl Bruce, Dwight Webster, Robert Ramcharan and John Gill. It continues to attract participation from a highly esteemed international faculty.

Over the 2012–2013 academic period, there were notable staff movements which included the following promotions; Dr. Michael McFarlane to the rank of Professor of General surgery, Drs. Joseph Plummer and Mark Newnham to the rank of Senior Lecturer in Surgery, and Drs. Alan Barnett, Ingrid Tennant–Martin and Peter Johnson were awarded Indefinite Tenure. The Department achieved an average teaching score of 4.2 for courses and 4.7 for lecturers when graded on a five-point merit scale. Student feedback was generally positive.

A total of 700 undergraduate and 125 post-graduate students rotated through the Department, undertaking a variety of clerkships or specialist

instruction courses. Also rotating were a wide range of elective students from diverse countries including, China, Germany, United Kingdom and the United States of America. The large intake of undergraduates and post-graduates resulted in increased dependence on non-UHWI teaching sites for assistance with clinical instruction.

Undergraduate performance in the Final MBBS Exams was creditable with 134 of 141 candidates being successful. Four received Honours in Surgery. The Aubrey McFarlane prize for the top performer in Surgery on the Mona Campus was won by Terri-Anne Russell, while Drs. Courtney Litchmore, Monique Thompson and Winston Butler III, shared the General Surgery prize. Post-graduate Degrees were awarded to students in General Surgery (Dr. Joseph Cherian), Otolaryngology (Dr. Kwesi Davis), Orthopaedic Surgery (Drs. A. Ameerally, C. Fletcher, O.Samuels and S. St. Juste) and Radiology (Michelle Walcott-Bremmer, Kevin Palmer and Kialyn Brown). A proposal from the Department of Surgery that the Association of Surgeons in Jamaica (ASJ) run an essay competition, specifically for medical students, was accepted by that body. The winner of the 2013 ASJ Essay Competition was 4th Year medical student Krystal Binns.

RESEARCH

The Department continues to maintain three registries for the following research purposes:

1. The Trauma Registry which contains over 17,000 records provides material for injury-related studies.
2. The Intracranial Tumour Registry, established through the Principal's Fellowship Initiative has over 519 patient records and is a collaborative effort between the Neurosurgery Service, the Section of Radiology and the Department of Pathology.
3. The Colorectal Cancer Registry collects colorectal cancer cases from major sites across the island.

Two members of the Department distinguished themselves by winning highly sought after research grants.

- i. Dr. William Aiken was appointed lead researcher in a Government-funded Men's Health/Prostate Cancer study. The Minister of Health has committed J\$25 million towards this 5-year study.
- ii. Dr. Pierre-Anthony Leake won funding through the University of the West Indies' New Initiative Grant for research on, 'Improving Patient Outcomes with Inguinal Hernioplasty – A Randomized Controlled Trial of Local Anaesthesia versus Local Anaesthesia and Conscious Sedation'. The Grant was approved for J\$1.492 million.

PUBLICATIONS

Papers Published (peer review)

Full papers

- Graham RPD, Plummer JM, West KA, Williams NP.: Adequacy of lymph node harvesting in colorectal cancer management: improving standards, ensuring quality. *West Indian Medical Journal* 2012; 61(2)134–138.
- McGaw CD, Tennant I, Harding-Goldson H, Cawich S, Crandon IW, Walters CA: Healthcare workers' attitudes and compliance with infection control guidelines in the operating department at the University Hospital of the West Indies. *International Journal of Infection Control* 2012; vol. 8(3)
- Plummer JM, Sheray N, Aronson M, Willaims N, Bharati B, Wharfe G, Pollett A, Gallinger S.: Lynch Syndrome in a predominantly Afrocentric population: a clinicopathological and genetic study. *Can. J Surg.* 2012; 55(5):294–300.
- Dasgupta S, French S, Williams-Johnson J, Hutson R, Hart N, Wong M, Williams E, Espinosa K, Maycock C, Edwards R, McCartney T, Cawich S, Carndon IC.: EMS response to an airliner crash. *Prehospital and Disaster Medicine* 2012;27 / 299–302.

- **N. Hart, Dasgupta S, Williams EW, Williams-Johnson J:** Twenty-four Hour Trauma Team at the University Hospital of the West Indies, Kingston, Jamaica – The Time is Now. *West Indian Medical Journal.* 2012; 61 (3): 211–212b.
- **Thomas M, Tennant I, Augier R, Gordon-Strachan G, Harding H:** The Role of Pre-induction Ketamine in the Management of Postoperative Pain in Patients undergoing Elective Gynaecological Surgery at the University Hospital of the West Indies. *West Indian Medical Journal.* 2012; 61 (3): 224–229.
- **Newnham M, Brown H, Martin AC, Plummer JM, Mitchell DIG, Cawich SO:** Management of Breast Abscesses in Jamaican Women: Is there Need for a Paradigm Shift? *West Indian Medical Journal.* 2012; 61 (3): 245–248.
- **Campbell J, Jaggon JR, Johnson P, Bruce C, Eldemire-Shearer D:** The Establishment of an Intracranial Tumour Registry at the University Hospital of the West Indies. *West Indian Medical Journal.* 2012; 61 (3): 254–257.
- **Vincent M, Abel C, Duncan N:** Penetrating Ano-rectal Injuries in Jamaican Children. *Pediatric Surgery International.* 2012; 28: (11): 1101–7.
- **Ritch C, Aiken W, Mayhew R, Morrison B et al:** Pathological Outcome and Biochemical Recurrence Free Survival following Radical Prostatectomy in African American, Afro Caribbean (Jamaican) and Caucasian Men: An International Comparison. *British Journal of Urology.* 2012. doi: 10.1111/j.1464-410X.2012.11540.x.
- **Crossman G, Mowatt L, Jaggon J:** Sebaceous Gland Hyperplasia of the Caruncle: An Uncommon Disease. *Graefes Arch Exp Ophthalmol.* 2012 Dec. 29.
- **Scott C, Antoine C, Scarlett M, Irvine R:** The Provision of Surgical Care for Children with Cardiac Disease: The Jamaican Experience – An 18 year Review. *West Indian Medical Journal.* 2012; 61(4). 365–368.

- Christie CDC, **Duncan ND**: Rotavirus Vaccine Trial in Jamaica. *West Indian Medical Journal*. 2012; 61(4). 405–407.
- **Williams-Johnson J, William EW, Dasgupta S, French S, Hutson R, Hart N, Sammy I, McDonald A**: Health Impact of Research in Emergency Medicine – Moving Forward in the Field. *West Indian Medical Journal*. 2012; 61(4). 447–451.
- **Scarlett MD, Crawford-Sykes A, Harding HE, Chen DR**: The Development of Postgraduate Anaesthesia and Intensive Care Training at The University of the West Indies. *West Indian Medical Journal*. 2012; 61(4). 463–466.
- Dan D, Naraynsingh V, **Cawich S, Jonnalagadda R**: The History of Laparoscopic General Surgery in the Caribbean. *West Indian Medical Journal*. 2012; 61(4). 467–471.
- **Williams -Johnson J, Williams E, Gossell – Williams M, Sewell CA, Abel WD, Whitehorne – Smith, P**: Suicide Attempt by Self-poisoning: Characteristics of Suicide Attempters seen at the Emergency Department at the University Hospital of the West Indies. *West Indian Medical Journal*. 2012; 61(5). 526–531.
- **Mowatt L, McDonald A, Ferron-Boothe D**: Hospitalization Trends in Adult Ocular Trauma at the University Hospital of the West Indies. *West Indian Medical Journal*. 2012; 61(6). 605–609.
- **Plummer JM, Mitchell DI, Ferron-Boothe D, Meeks-Aitken N, Reid M**: Colonoscopy in Central Jamaica: Results and Implications. *West Indian Medical Journal*. 2012; 61(6). 610–614.
- **Leake P-A, Qureshi A, Plummer J, Okrainec A**. Minimally Invasive Surgery Training in the Caribbean – a survey of General Surgical Residents and their Trainers. *West Indian Medical Journal*. 2012; 61(7): 708–715.
- **Mowatt L, Crossman G**. Orbital Lymphangioma in a child: a diagnostic dilemma. *West Indian Medical Journal* 2012; 61(7): 764–766.

- Forde R, Ashman H, **Williams EW, Williams-Johnson J.**: Idiopathic Nasal Septal Abscess – A Case Report. *West Indian Medical Journal* 2012; 61(8): 832–833.
- **West W, James K, Brady-West D.**: Ultrasound Detected Asymptomatic Cholelithiasis: An Age-based Protocol for Management. *West Indian Medical Journal* 2012; 61(9): 903–906.
- **Cawich SO, Albert M, Mohanty SK.**: Laparoscopic cholecystectomy using standard instruments through a single umbilical incision: feasibility in Jamaica. *West Indian Medical Journal* 2013; 62(1): 1
- Vincent MV, **Duncan ND**: Post-Swenson’s recto-urethral fistula repair using the posterior sagittal route. *Journal of Pediatric Surgery Case Reports* 2013; 1: 136–8 (DOI: 10. 1016/j.epsc.2013.05.002)
- Vincent MV, **Duncan ND**: Gastroesophageal reflux and reflux strictures in children with Cornelia de Lange syndrome. *West Indian Medical Journal* 2013; 62 (2): 167–70.

Abstracts

- **Vaughan H.**: Brain derived growth factor: another step in completing the Glaucoma puzzle. *West Indian Medical Journal* . 2012; 61 (Suppl. 5):17.
- **Mowatt L.**: Updates in the management of cystoid macular oedema. *West Indian Medical Journal* . 2012; 61 (Suppl. 5):27.
- **Calder D.**; My experience with Bevacizumab. *West Indian Medical Journal* . 2012; 61 (Suppl. 5):28
- **Calder D.**: Wing mirror injuries. *West Indian Medical Journal* 2012; 61 (Suppl. 5):34.
- **Mowatt L**; Heavy oil: a new generation of intraocular tamponade agents in vitreo-retinal surgery. *West Indian Medical Journal* 2012; 61 (Suppl. 5):35
- Edwards L, Pearce N, Abu-Hilal M, **Cawich SO**: Metastatic Neuroendocrine Tumours: A Review – *Neuroendocrinol.* 2012; 95 .0 (s1): 9 (c30).

- **Morrison B**, Reid M, Madden W, Feng Z, Burnett A.: Testosterone deficiency is a possible risk factor for priapism associated with sickle cell disease. *West Indian Medical Journal*. May 2012; 62(Suppl. 2):18
- **Aiken WD**, Jones K, James K.: Rural-Urban differences in the clinic-pathologic profiles of Jamaican men with prostate cancer: a comparative retrospective case series. *West Indian Medical Journal*. May 2013; 62(Suppl.3):29.
- Chand V, **Plummer JM**, **McFarlane ME**, **Powell LP**, Brady-West D, Chung S, Tulloch K, Leake PA.: A case of combined laparoscopic cholecystectomy and splenectomy in Jamaica. *West Indian Medical Journal*. May 2013; 62(Suppl. 3):7.
- Vincent M, **Duncan N.**: Penoplasty – not circumcision – for repair of buried penis. *West Indian Medical Journal*. May 2013; 62(Suppl. 3):9.
- **Aiken W.**; Screening for prostate cancer: a Caribbean imperative. *West Indian Medical Journal*. May 2013; 62(Suppl .3):10.
- Wilson C, Simpson LK, Baker A, **Cawich SO.**; Starting a laparoscopic service in a rural community hospital – challenges and successes. *West Indian Medical Journal*. May 2013; 62(Suppl 3):12.
- **Johnson PB**, **Shah S**, **Cawich SO**, Gardener MT, **Roberts P**, **Gordon-Starchan G**, Pearce NW: Anatomic variants of the arterial supply to the liver in Jamaican patients. *West Indian Medical Journal*. May 2013; 62(Suppl. 3):14.
- Vincent M, **Duncan ND.**: Use of interrupted sub-cuticular sutures for circumcision in boys – a preliminary report. *West Indian Medical Journal*. May 2013; 62(Suppl. 3):14.
- **Leake PA**, **Roberts PO**, Pitzul K, **Plummer JM.**: Should delayed cholecystectomy following acute cholecystitis be discouraged in a resource-constrained environment? *West Indian Medical Journal*. May 2013; 62(Suppl. 3):15.

- **Brown H.:** Venous thromboembolism: toward the endovascular solution. *West Indian Medical Journal*. May 2013; 62(Suppl. 3):15.
- **Cawich SO, Abu-Hilal M, Simpson LK, Pearce NW.:** Training surgeons in a modern laparoscopic era. *West Indian Medical Journal* . May 2013; 62(Suppl 3):18.
- **Simpson LK, Cawich SO, Aitken R, Morris CH, Josephs A, Williams N, Vascianna CA, Thomas J.;** Laparoscopic Heller myotomy in Jamaica. *West Indian Medical Journal* May 2013; 62 (Suppl 3):18.
- **Roberts P, Gibson T, Scott S, Plummer JM, Leake PA, Johnson A, Lynch O, DeSouza T, Reid M.:** Pathologic factors affecting gastric cancer survival at the University Hospital of the West Indies. *West Indian Medical Journal* . May 2013; 62(Suppl. 3):19.
- **Wilson C, Baker, Simpson LK, Cawich SO.:** Post-cholecystectomy syndromes: a series of completion cholecystectomies. *West Indian Medical Journal* . May 2013; 62(Suppl 3):20.
- **Morrison, B.:** Establishing a male health clinic in sickle cell disease. *West Indian Medical Journal* . May 2013; 62(Suppl. 3):20.
- **Plummer JM.:** Cancer screening and the general surgeon: a review of current evidence. *West Indian Medical Journal* 2013; 62 (Suppl 4): 14.
- **Crandon IW.:** An overview of spinal cord injuries. *West Indian Medical Journal* 2013; 62 (Suppl 4): 16.
- **Rose REC.:** Management of open fractures: updates. *West Indian Medical Journal* 2013; 62 (Suppl 4): 16.
- **Aiken W.:** Screening for prostate cancer: a Caribbean imperative. *West Indian Medical Journal* 2013; 62 (Suppl 4): 16–17.
- **Wilson C, Simpson LK, Baker A, Cawich SO.:** Starting a laparoscopic service in a rural community hospital – challenges and successes. *West Indian Medical Journal* 2013; 62 (Suppl 4): 19.
- **Aiken WD, Coard KC, Bennett FL, Simpson-Smith CM, Tulloch-Reid MK, McFarlane-Anderson N, Tulloch T, Wan RL, Mayhew**

R, Morrison BF, Paul TJ, Jackson MD.: The influence of sexual behavior, sexually transmitted infections and condom use on prostate cancer risk in Jamaican men: a case-control study. *West Indian Medical Journal* 2013; 62 (Suppl 4): 19–20.

- Vincent MV, **Duncan ND**.: Use of interrupted subcuticular sutures for circumcisions in boys: a preliminary report. *West Indian Medical Journal* 2013; 62 (Suppl 4): 20.
- **Cawich SO**, Pearce NW, Abu-Hilal M.: Training for hepatobiliary surgery in the modern laparoscopic era. *West Indian Medical Journal* 2013; 62 (Suppl 4): 24–25.
- **Cawich SO**, Johnson PB, **Shah S**, Gardner MT, Roberts P, Gordon-Strachan G, Pearce NW.: Variants of hepatic arterial supply in a Caribbean population. *West Indian Medical Journal* 2013; 62 (Suppl 4): 31–32.
- **Plummer JM**, **Leake PA**, **Roberts PO**, Pitzul K.: Should delayed cholecystectomy following acute cholecystitis be discouraged in a resource-constrained environment? *West Indian Medical Journal* 2013; 62 (Suppl 4): 36.
- Josephs AM, Mohanty SK, Simpson LK, **Cawich SO**.: Acute cholecystitis: feasibility of an emergent laparoscopic approach in a Caribbean nation. *West Indian Medical Journal* 2013; 62 (Suppl 4): 36.

Abstracts (posters):

- Sherwood-Wallace K, Frankson MA, **Mansingh A**.: Taping matters: the effects of Kinesio taping compared with rigid taping on pain levels during a functional step-down test in athletes with patellofemoral pain syndrome. *West Indian Medical Journal*. May 2013; 62(Suppl 2):66.
- **McLennon N**, **Crandon IW**, **Cawich SO**, **Harding HE**.: Clinical profile of pituitary tumours in Jamaica. *West Indian Medical Journal* 2013; 62 (Suppl 4): 49.

- **Cawich SO, Tennant I, McGaw CD, Harding HE, Walters CA, Crandon IW.:** Infection control practice in the operating room: staff compliance with existing policies in a developing country. *West Indian Medical Journal* 2013; 62 (Suppl 4): 50.
- **Islam S, Harnarayan P, Cawich SO, Budhooram S, Bheem V, Mahabir V, Ramsewak S, Aziz I, Naraynsingh V.:** Epidemiology of diabetic foot infections in an eastern Caribbean population: a prospective study. *West Indian Medical Journal* 2013; 62 (Suppl 4): 50.
- **Cawich SO, Rose REC, Harding HE, Isaacs M, Crandon IW.:** Extremity injuries from motorcycle road traffic accidents: the experience from a tertiary referral hospital in Jamaica. *West Indian Medical Journal* 2013; 62 (Suppl 4): 51
- **Ameeraly A, Palmer W.:** Shoulder arthroscopy for recurrent anterior shoulder dislocation in Jamaica. *West Indian Medical Journal* 2013; 62 (Suppl 4): 51.
- **Vincent MV, Duncan ND.:** Closure of recto-urethral fistulas using a combined abdominal and posterior sagittal approach. *West Indian Medical Journal* 2013; 62 (Suppl 4): 51–52.
- **McLennon N, Simpson L, Aitken R, Cawich SO, Harding HE.:** Sub-labial parasseptal trans-sphenoidal approach to excise pituitary tumours at the University Hospital of the West Indies, Jamaica. *West Indian Medical Journal* 2013; 62 (Suppl 4): 52–53.
- **Josephs A, Simpson L, Aitken R, Cawich SO.:** Paget’s disease of the breast: is a mastectomy still the recommended treatment of choice? *West Indian Medical Journal* 2013; 62 (Suppl 4): 53.

Video Presentation

- **Plummer JM, Chand V, McFarlane M, Powell LP.:** A case of combined laparoscopic cholecystectomy and splenectomy in Jamaica. *West Indian Medical Journal* 2013; 62 (Suppl 4): 40.

PAPERS PRESENTED

- *Bethune Round Table Conference, Vancouver, Canada, May 2013.*
 - Integrating Surgical Care Initiatives with National Health Care Priorities, Implications for Academic Institutions in Resource Restricted Countries – **Professor I. Crandon**

Others

- *The American College of Obstetricians and Gynaecologists Annual Clinical Symposium, September 1, 2012, The Knutsford Court Hotel.*
 - Male factor infertility – **Dr. W. Aiken**
- *The Caribbean Sports Medicine Conference, September 8–9, 2012, Main Lecture Theatre, UWI.*
 - Dynamics and development of athletic potential – **Dr. A. Mansingh**
- *Prostate Cancer Medical Symposium 2012, September 9, 2012, The Knutsford Court Hotel.*
 - Aetiology and epidemiology of prostate cancer – **Dr. B. Morrison**
 - Screening, diagnosis and staging of prostate cancer – **Dr. W. Aiken**
- *The University of the West Indies in association with the Ophthalmological Society of Jamaica. Main Lecture Theatre, FMS. September 23, 2012.*
 - Causes of Sudden Painless Loss of Vision – **Mowatt L.**
 - Diabetes and the Eye – **Mowatt L.**
- *Combined Scientific Meeting of The Caribbean Association of Orthopaedic Surgeons and the J Robert Gladden Orthopaedic Society; Barbados. October 4–6, 2012.*
 - The Ilizarov method in infected non-union of long bone: **Rose REC.**
- *The Caribbean Urological Association Annual Conference (CURA). Meeting. Nassau, Bahamas. October 2012.*

- Current state of prostate cancer treatment in Jamaica: **Morrison B.**
- *African Caribbean Cancer Consortium. Bahamas. October 2012.*
 - Results of a large scale screening clinic in Jamaica: **Morrison B.**
- *Faculty of Medical Sciences UWI Mona, 21st Annual Research Conference. November 7–9, 2012.*
 - The pathological factors affecting gastric cancer survival at the University Hospital of the West Indies: **Roberts P**, Gibson T, Hanchard B, Scott S, **Plummer J**, **Leake PA**, Johnson A, Lynch O, Reid M.
 - The operating characteristics of trans-rectal ultrasound alone in diagnosing prostate cancer in Jamaican men: a retrospective case series: **Aiken WD**, Ritch M, **Morrison BF.**
 - Testosterone replacement therapy does not promote priapism in hypo-gonadal men with sickle cell disease: twelve month safety report: **Morrison BF**, Reid M, Madden W, Burnett AL.
 - A Study of physician knowledge of cardiopulmonary resuscitation guidelines and their current certification status at the University Hospital of the West Indies (UHWI), Kingston, Jamaica: Howell P, **Tennant-Martin I**, **Augier R**, Gordon-Strachan G, **Harding H.**
 - Evaluating potential barriers to advancement of laparoscopy in Jamaica: attitudes in operating theatre: Cherian CJ, Wilson C, Baker A, **Cawich SO**, Lloyd C, Thomas C.
- Laparoscopic inguinal herniorrhaphy: outcomes of 103 consecutive repairs: Felix O, Cawich SO, Simpson LK, Issacs MS, **Roberts P**, **Johnson PJ**, **Shah S**, **Williams EW**, **Harding HE.**
 - The efficacy of lumbar epidural steroid injection in the treatment of low back and lumbar radicular pain at the University Hospital of the West Indies: Dawson PUA, **Crandon I**, **McDonald A.**
- *Kidz Klinik. Kingston, Jamaica. November 10, 2012.*
 - “Orthopaedic Gems”: **Rose REC.**

- *Weill Cornell Medical College, (3 Day Course) New York City, December 13–15, 2012.*
 - Surgical Approaches to the Skull Base: **Bruce C.**
- *Barrow Neurological Institute, Spinal Biomechanics. Institute for Modern and Innovative Surgery. Fort Lauderdale.*
 - Biomechanics of Constructs utilizing Pedicle Screws, Facet Screws, and Spinous Process Plates after Transforaminal Lumbar Interbody Fixation (TLIF): **Bruce C et al.**
 - Biomechanics of Lumbar Lateral Interbody Fixation Augmented with Pedicle Screws, Facet Screws, or Spinous Process Plate: **Bruce C et al.**
 - Biomechanics of Spinous Process Plating with and without Lateral or Transforaminal Interbody Cage at L4-5. **Bruce C et al.**
 - Biomechanics of Stand-Alone Lateral Interbody Fixation at L4-5 and L5-S1: **Bruce C et al.**
 - Biomechanics of Posterior Lumbar Fixation after Unilateral L4-L5 Facetectomy and TLIF: **Bruce C et al.**
- *11th Annual Caribbean Neurosciences Symposium & Workshop, Half Moon Resort, Rose Hall, Montego Bay, January 24–27, 2013.*
 - Evolution of Transphenoidal Surgery – **Professor Ivor Crandon**
 - Surgical Oncology – **Dr Patrick Roberts**
 - Medical Tourism – **Dr. Pierre Anthony Leake**
 - Development in Perioperative Medicine – **Dr. P. Jason Toppin**
 - Patient Controlled Anaesthesia: What role? – **Dr. Kelvin Metalor**
 - CABG – The Gold Standard of Myocardial Revascularization – **Dr Joseph Blidgen**
 - Endovascular Therapies in AAA – **Dr. Hilary Brown**
 - The Role of Screening in Preventing Advanced Breast Cancer – **Dr Derria Cornwall**

- Evolution of LES Exposure Surgery – **Dr. Joseph Plummer**
- Interbody fusion: Open versus MIS – **Dr Franz Pencle**
- How to Get Your Best bony Fusion – **Mr Kenneth Vaughn**
- Setting up an Outpatient Surgery Centre in Jamaica – **Dr Ladi Doonquah**
- What can the optic disc tell you? – **Dr. Lizette Mowatt**
- The Extended Transphenoidal Approach – **Dr. Carl Bruce**
- *University of the West Indies Mona, Annual Research Conference. February 7–8, 2013.*
 - A Case Study on the Cost of Trauma in the ICU: **Toppin PJ.**
- *Jamaica Cancer Society, Colon Cancer Medical Symposium 2013, Basic Medical Sciences Complex, Mona Campus, March 10, 2013.*
 - Colon cancer before age 50: does a 30year old with PR bleed really need a colonoscopy? – **Dr. J. Plummer**
 - Surgery and Chemotherapy- What Hope Exists? – **Dr. P. Roberts**
- *Jamaica Emergency Medicine Association 13th Annual Conference, The Jamaica Pegasus Hotel, April 7, 2013.*
 - Pill popping: a portentous problem – **Dr. R. Hutson**
 - Deaths in the emergency room within 24 hours – **Dr. E. Williams**
 - Expectation vs duty: liability for deaths and deterioration while waiting to be seen – **Dr. A. Barnett**
 - Tetanospasmin: a neurotoxin that demands respect – **Dr. J. Williams-Johnson.**
- *Medical Association of Jamaica Symposium 2013, The Jamaica Pegasus Hotel, June 2–9, 2013.*
 - Acromegaly – **Dr. C. Bruce**
 - Modern management of gall bladder disease in the Caribbean – **Dr. S. Cawich**

- *Faculty of Medical Sciences UWI Mona, 21st Annual Research Conference. November 7–9, 2012.*

Poster:

- Return to sports and functional outcome after primary anterior cruciate ligament reconstruction in Jamaica: **Palmer W**, Crichlow A, **Mansingh A**.
- Exposure to cricket and its popularity among Trinidadian school boys: **Mansingh A**, Senath B, **Palmer W**, Singh P.
- Causes of death within the first 24 hours of admission to an urban department: **Williams EW**, **Williams-Johnson J**, Rhudd A, Hibbert R, Dasgupta S, Strachan G, **French S**, **Hutson R**, Hart N.
- Botulinum toxin type ‘a’ and phenol injection for the treatment of spasticity: Dawson PUA, **Crandon I**, **McDonald A**, McNaught-Mitchell M, Stephenson G.
- Traumatic brain injury patients at the University Hospital of the West Indies: Dawson PUA, **Crandon I**, **McDonald A**, McNaught-Mitchell M, Stephenson G.
- The impact of trans-thoracic ultrasound on cardiac injuries: not ready for time: **Plummer JM**, Condell M, **Ferron-Boothe D**, **Leake PA**, **Johnson P**, **McDonald AH**.
- The annual cumulative incidence of breast cancer and distribution across parishes in Jamaica: Grindley BA, **Mitchell DIG**, Wilks RJ, Gordon-Strachan, **Crandon IW**.
- Childhood malignancies in Jamaica: Grindley BA, Wilks RJ, **Mitchell DIG**, Gordon-Strachan G, **Crandon IW**.
- The incidence of emergence delirium and associated risk factors following the use of sevoflurane in paediatric patients presenting for day case surgery at the Bustamante Hospital for Children: Gooden E, **Tennant I**.
- Number and cost of CT scans of the brain to evaluate the clinical diagnosis of acute stroke during a six month period at the UHWI: **West W**, Forbes-Chung A, Singh M.

- Evaluation of waiting times and sonographic findings in patients with first trimester vaginal bleeding at the University Hospital of the West Indies. Can Emergency department sonography make a difference? **French S, Henry T, Williams EW.**
- Cancers and the surgeon: **Plummer J.**

PUBLIC SERVICE

Dr. Alan Barnett

- Chair, Ethics Committee, MAJ

Dr. Carl Bruce

- Member, Strategic Planning and Development Sub-Committee UHWI
- Enterprise Risk: Management Committee UHWI
- Construction and Equipment Project Monitoring Committee UHWI
- Board of Management, UHWI
- Health Insurance Plan Committee UWI
- Board of Management, Mona Institute of Medical Sciences UWI
- Executive Member, Jamaica Athletics Administrative Medical and Anti-Doping Commission
- Scientific Chairman, Caribbean Neurosciences Symposium
- Course Director, Caribbean Neurological Association Spine Workshop
- Manchester High School Sports Committee
- Brain Tumor Registry UWI
- Seminar Organiser and Faculty Member of AOSpine International Kingston Course

Professor Ivor Crandon

- Member – Appeal Panel of the Jamaican Anti-Doping Commission Ministry of Local Government, Community Development & Sports
- Director, Bio-Tech Research & Development Institute

Dr. Rhonda Hutson

- Executive member, Jamaica Association of Sports Medicine

Dr. Jean Williams Johnson

- Executive member, Caribbean Poison Information Centre (CARPIN)
- Executive member, Jamaica Association of Sports Medicine (JASM)

Dr. Lizette Mowatt

- President, Ophthalmological Society of the West Indies (OSWI)
- Vice President, Ophthalmological Society of Jamaica (OSJ)
- Member of the Board of Directors, Pan American Association of Ophthalmologists (PAAO)
- Member, Ophthalmic Women Leaders (OWL)
- Member, National Council of Continuing Medical Education (NCCME)
- National Health Fund (NHF) Expert Panel of Physicians (Ophthalmology)
- Chairperson, Vision 2020 Main Advisory Panel (Ministry of Health)
- International Ophthalmologist Education Award (American Academy of Ophthalmologists, AAO)

Dr. Wayne Palmer

- Manager of the Jamaica Cycling Federation's Team to the Southern Games in Trinidad,
- President, Jamaican Orthopaedic Association

Dr. Praimanand Singh

- President, Jamaica Association of Sports Medicine (JASM)
- Executive member, Jamaica Olympic Association

Dr. P.J. Toppin

- Medical Director and staff advisor to UWISERT (UWI Student Emergency Response Team)

Dr. Hugh Vaughan

- Conference Planning committee member, Ophthalmological Society of Jamaica
- Member, National Health Fund (NHF) Expert Panel of Physicians (Ophthalmology)
- Member, MSD International Advisory Board
- Dr. Ena Thomas Memorial Trustee
- Resource person, Jamaica Society for the Blind
- Member of the Board of Governors, Kingston College
- Choir Committee, Kingston College

Dr. Eric Williams

- Volunteer Doctor for National Children Home

Professor Newton D Duncan

- Council Member, Association of Surgeons in Jamaica
- Member, Board of Management, Mona Institute of Medical Sciences