DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

Professor Ivor Crandon CD, FRCS (Ed.) – Head of Department

WORK OF THE DEPARTMENT

In addition to the provision of services in Surgery, Radiology, Anaesthesia & Intensive care and Accident & Emergency Medicine at the University Hospital, the Department offers undergraduate and postgraduate education and research in Surgery, Radiology, Anaesthesia & Intensive Care and Accident & Emergency Medicine including the various sub-disciplines of General Surgery, Orthopaedics, Neurosurgery, Urology, Paediatric Surgery, Cardiothoracic Surgery, Ophthalmology and Otorhinolaryngology at Mona, Kingston Public Hospital and Cornwall Regional Hospital. Its clients include medical students, physicians, nurses including all its own specialist areas, physiotherapists, radiographers and psychologists among other groups. It also runs courses in Advanced Cardiac and Advanced Trauma Life Support. During the past academic year, the Department received medical students and residents for elective experiences from the UK, St. Lucia, Germany, Canada and the USA among other countries.

The Section of Anaesthesia & Intensive Care organized and successfully implemented an inaugural collaborative workshop/conference with the Vanderbilt University School of Medicine Department of Anesthesiology and the Children’s Hospital of Philadelphia, University of Pennsylvania Department of Anesthesiology on advanced adult and paediatric airway management.

The Section of Accident & Emergency Medicine carried out disaster management training in collaboration with PAHO and Disaster Simulation Exercises in collaboration with the Ministry of Health.
ACLS training was also done in collaboration with the Ministry of Health and the Heart Foundation of Jamaica.

**Undergraduate Programme**

During the academic year, the Department met its objective of extending teaching to off-campus sites, in keeping with the strategic plan of the UWI. Junior (Year III) surgery as well as Ophthalmology, Anaesthesia, Orthopaedics, Radiology and Emergency Medicine (Year IV) are now taught at Cornwall Regional Hospital. The final year (Year V) teaching programme in surgery continues to be taught at Mona, KPH and Cornwall Regional Hospital. The Mandeville Regional hospital was accredited for the teaching of final year (Year V) surgery and orthopaedics (Year IV). Teaching there is expected to start in September 2009.

Minor revision was done to the undergraduate curriculum. A CD (Surgical Instrument Review) has been completed and is ready for distribution to assist students with learning including revision.

Members of the Department play an active role in the curriculum review workshop process of the Faculty. Teacher training through the MEU/IDU is required of all new Department members. The Department is actively working with colleagues to ensure standardization of evaluation instruments for clerkships across campuses.

**Graduate Programme**

Instruction in research methodology is now available to all DM Residents. DM case books and theses are submitted in electronic form. A DM handbook with required competencies has been completed for Radiology while work continues for the other disciplines.

Postgraduate training in General Surgery has commenced at the Cornwall Regional Hospital and continues at Mona and KPH. Mandeville Hospital has been accredited for training in Post Part 1 Orthopaedics, Ophthalmology and General Surgery and the DM programme has started there. An accreditation exercise was carried out at the Spanish Town Hospital for Accident & Emergency Medicine, Orthopaedics and General Surgery. The graduate programme will be extended to this facility soon.
Teaching

The Department achieved a teaching score of 4.4 for courses and 4.2 for Lecturers, compared with 4.3 and 4.4 respectively for the previous year, a commendable performance and in keeping with its objectives. The undergraduate and graduate teaching programmes of the Department continue to be impaired by the equipment, plant and supply problems of the University Hospital, underlining the importance of developing off campus teaching sites for the Department’s programmes.

Research

With a full-time academic staff complement of 30, the per capita publication rate improved from 1.26 to 1.57 during the year 2008-2009, setting another record of 47 publications in peer reviewed journals and 31 abstracts, meeting its objective set a year ago. The Department maintained its substantial output of local, regional and international conference presentations numbering 70 for the academic year. Four research grants were initiated during the year. The trauma registry which the Department maintains now contains 12,881 records and continues to provide ample research material for injury related studies.

Infrastructural improvement

Although architectural drawings were done and construction was expected to begin during the academic year, incomplete funding prevented commencement of construction of the surgical teaching laboratory. Alternative methods of funding are now being pursued. Work was completed on a suture area in the Accident & Emergency Department as well as on the air conditioning system of the A & E. The moving target of keeping expenditure within the budgeted allocation was achieved through very stringent financial management, made all the more difficult in these challenging economic times.

Targets for the coming year

During the next academic year, the Department intends to maintain its current teaching rating. The per capita research output target will be 1.66 per academic staff member while every effort will be made to acquire two new research grants.
The undergraduate and postgraduate teaching programmes will be extended at the Cornwall Regional and Kingston Public Hospitals and introduced at the Mandeville and Spanish Town hospitals.

The DM surgery Part II curriculum, which was not published as planned during this academic year will be revised and published while the undergraduate curriculum will be revised at the end of the year. All the ground work has been done for roll out of the Department’s website during the coming academic year. The surgical laboratory is scheduled to be completed, once the difficult problem of funding is solved.

**PAPERS PRESENTED**


- Paul TJ, **Branday J**, Beman D: Competitiveness as a new goal for the traditional medical school in the Caribbean.

The International Association of Medical Science Educators (IAMSE) Conference, July 2008, Utah

- Paul TJ, **Branday JM**, Beman D, Williams, E: What’s in One Mark? Telescoping Integrated and Ongoing Assessments.
- Beman D, **Branday JM**, Ragoobirsingh D, Paul TJ: Teaching Beyond The Core – How Long Can It Continue?
- Beman D, Paul TJ, Leitch J, **Branday JM**: Assessing the Performance of Distracters in Multiple Choice Examinations Using a Theory of Equal Distraction.

International Meeting of University Administrators, University of British Columbia, BC, Canada. August 17-21,2008.

- **Branday JM**, Paul TJ: Competitiveness as a New Goal for the Caribbean’s First Medical School.

• Bruce C: The role of neuronavigation in skull base tumours.

• Bruce C: Revision surgery in patients with lumbar fusion.
The Jamaica Anaesthetists Association Symposium 2008; Updates and Controversies in Anaesthesia & Intensive Care, November 2, 2008, Knutsford Court Hotel.

• Harding HE: Performance and Control, the ultimate in pain management.
• Soogrim D: Abdominal compartment syndrome.
• McGaw CD: Coronary stents, antiplatelet agents and surgery: dilemma of competing risks.
• Williams A: Current thinking in obstetric analgesia.

35th Annual Dr. Ena Thomas Memorial Symposium, Jamaica Pegasus, Nov. 28, 2008

• Bruce C: Minimal approach to Chiari associated Syringomyelia
Caribbean Association of Microbiologists Annual Scientific Conference, December 2008

• Tennant I: Dynamics of antibiotics usage in the ICU, UHWI.
Caribbean Emergency Medicine Congress, Barbados, January 2009

• Williams-Johnson JA: Cervical Spine Injuries
The 7th Caribbean Neuroscience Symposium & Workshop held on January 23 & 24, 2009 at the Ritz-Carlton Golf & Spa Resort, Rose Hall, St. James.

• Vaughan K: Development of the child’s spine.
• Bruce C: Options for posterior cervical fusion.
• Pencle F: Results of a multicentre dural substitute trial.
• **Venugopal R:** Bone graft over view.

• **Bruce C:** Result of the multicentre head injury trial comparing care in the developed and developing world

• **Bruce C:** Epidemiology of intracranial tumors across Jamaica

• **Bruce C:** Results of the Caribbean and Latin America multicentre dural substitute trial

The University of the West Indies Research Days held January 29 & 30, 2009.

• **Plummer J & Brown H:** The Changing face of surgery; natural orifice surgery & Video displays on Anaesthesia & Intensive Care and pain management and other roles of the Anaesthetist

The 14th Jamaican Orthopaedic Association Annual Conference held February 7 & 8, 2009, Jamaica Conference Centre.

• **Bullock R:** Radiological evaluation of bone and joint pain in sicklers

• **Rose R:** AVN in adult treatment options

• **Vaughan K:** Outcome of hip arthroplasty in sicklers (local experience)

Cardiovascular Week 2009 & Medical Symposium

• **Johnson P:** Peripheral artery disease: modern modalities of treatment

• **Irvine R:** Resynchronisation therapy in heart failure

Cardiovascular Week 2009, UWI Main Medical Lecture Theatre, February 8-14, 200.

• **Ehikhamekalor K:** Managing Heart Failure in the ICU

• **Irvine R:** Resynchronization Therapy in Heart failure

Caribbean College of Family Physicians, February 2009

• **Barnett A:** Sedation in the GP's Office
Paediatric and Adult Advanced Airway Management Workshop, Knutsford Court Hotel, Kingston, Jamaica, February 28-March 1, 2009

• **Toppin J:** Avoid Misadventures: a practical approach to adult and paediatric airway management.

Jamaica Urological Society annual Symposium, Courtleigh Auditorium, Kingston, Jamaica, February 22, 2009

• **Morrison B:** Outcomes of Radical Prostatectomy at UHWI
• **Shah S:** Interventional Radiology in Urology.
• **Tulloch T:** Management of Urethral Stricture Disease in Jamaica: a preliminary report.
• **Aiken W:** Panel discussion on Male Sexual Dysfunction

Caribbean College of Family Physicians February 09

• **Barnett A:** ‘Sedation in the GP’s Office’.


• **Hutson R:** Interesting Cases of Local Poisoning.
• **Maycock C:** Nebulized MgSO4 for Acute Asthma.
• **Cawich S:** Prospective Evaluation of the Protective Effect of Helmets on Motorcycle Head Trauma in Jamaica.

19th Annual Anaesthesia Residents’ Symposium. March 2009

• **Thomas M:** Heparin-Induced Thrombocytopenia (HIT) in Critical Care.
• **Royes S:** Perioperative Blood Conservation Strategies, Especially in Relation to a Jehovah’s Witness Patient.
• **Glaze J:** Management of Perioperative Patients on Antiplatelets and Anticoagulants
The American Urological Association, April 27, 2009

- **Morrison, B:** Sexual Dysfunction in Jamaican Male Patients with Sickle Cell Disease

- **Morrison, B:** Bone Mineral Density in Jamaican Men on Hormonal Therapy for Prostate Cancer.

Department of Surgery, Radiology, Anaesthesia & Intensive Care and Emergency Medicine; Section of Surgery Clinical Research Meeting, held May 1, 2009 in the Main Lecture Theatre.

- **Aiken W:** The Relationship between PSA & BMI in Jamaican Men.

- **Venugopal R:** Kaposi’s Sarcoma – A Case Report.

- **Pencl F:** The Epidemiology of Intracranial Tumours at the UHWI.

- **Jemmott D:** Cholelithiasis on Ultrasound: Which report is associated with Acute Pancreatits?

- **Tennant I:** Anaesthetic Morbidity at the UHWI - A Prospective Cross – Sectional Study

- **Morrison, B:** Radical Prostatectomy Outcomes at the UHWI

The Association of Surgeons in Jamaica Annual Conference, Knutsford Court Hotel; May 16 & 17, 2009.

- **Venugopal R.** Oncoplastic Techniques in Breast Cancer

- **Aiken W:** The Relationship of Prostate Specific Antigen and Body Mass Index

- **Bruce C:** Outcome in Traumatic Brain Injuries: A Comparative Study between a Developed Country and a Developing Country

- **Cawich S:** Vascular Access in Caribbean Countries: A Cost Benefit Analysis

- **Morrison B:** Penile Cancer in Jamaican Men Managed at the UHWI.

• ........... Knowledge, Attitudes and Practices of Jamaican Physicians to Poison Management

The Medical Association of Jamaica Symposium ’09; June 4-7, 2009; the Jamaica Pegasus Hotel.

• Dundas S: Recognizing the Physically Abused Child.
• French S: Approach to Patient with Multiple Trauma
• Bruce C: C1-C2 Fusion pros and cons and Technique Pearls for Fixation of the Lateral Mass, Pedicles, Lamina and Transarticular.
• Bruce C: C1-C2 Fusion Options and Techniques


• Bruce C: Osteobiology in cranial and spinal surgery

The Nurse Practitioners’ Symposium, Altamont Court Hotel, July 1-3, 2009.

• Barnett A: Recognition of the Management of Shock
• Plummer J: Abdominal Emergencies
• Bruce C: Head and Spinal Injuries
• Branday M: Treatment of Burns

The Emergency Medical Technicians and Nurse Anaesthetists Meeting. Altamont Court Hotel, July 2009

• Bruce C: Intracranial pressures monitoring and management of head and spinal injury July 13, 2009 Sao Paulo, Brazil
• Bruce C: Medical Treatment in Severe Head Trauma
PUBLICATIONS

WIMJ = West Indian Medical Journal

Peer-Reviewed Journals


* Branday JM, Carpenter RA: The Evolution of undergraduate medical training at the University of the West Indies, 1948-2008. WIMJ, 2008;57(6):530-6


* Rose REC, Byran-Frankson BA: Is there still a role for pulsed electromagnetic field in the treatment of delayed unions and non-unions. *Internet Journal of Orthopaedics.* 2008; September Vol. 10 (1)

* Cawich SO, Crandon IW, Harding HE, McLennon N: Clinical Presentations of Pituitary Adenomas at a University Hospital in Jamaica. *Int J Fam Prac.* 2009; 7(2).

* East JM, Valentine CS, Kanchev E, Blake GO: Sentinel lymph node biopsy for breast cancer using methylene blue dye


* Scarlett MD, McGaw CD, Aquart-Stewart A. Pulmonary Hypertension: A review of the pathobiological and pathophysiological effects. Postgraduate Doctor. www.postgraduatedoctor.com/content/view/29/43/


* Bullock R & Soares D: MRI findings of a likely sub-pubic cartilaginous cyst – an unusual cause of a vulval mass. BMJ 2009; (doi;10.1136\bcr.11.2008.1232)


* Cawich SO, Williams EW, Irvine R, Harding HE, Isaacs M: Management of Spontaneous Pneumothorax in a Developing


* East JM, Mitchell DIG: Postoperative Nausea and Vomiting in Laparoscopic versus Open Cholecystectomy at two Major Hospitals in Jamaica. *WIMJ,* 2009; 58(2)130-137


* Scarlett M, McGaw C, Aquart-Stewart A: Pulmonary Hypertension- a review of the aetiology, pathophysiology and management. WIMJ, 2009;58(2)153-159.


* Crandon IW, Harding HE, Cawich SO, McDonald AH, Ferron-Boothe D: Motorcycle accident injury profiles in Jamaica: An audit from the University Hospital of the West

**Abstracts**


* Chambers C, **Mowatt L**: Outcome of traumatic hyphemas at the University Hospital of the West Indies. *WIMJ*. July 2008; 57(Suppl 3): 17-18.


* **Vaughan HL**: I show, you tell, we discuss (a medley of video presentations of unusual conditions). *WIMJ*. July 2008; 57(Suppl 3): 21.

* Stephen C, **Harding HE**, Soogrim D, Gordon-Strachan GM: An assessment of the level of knowledge and interpretive
skills of physicians at the University Hospital of the West Indies regarding arterial blood gas measurements. WIMJ, November 2008; 57 (Suppl.4): 20.

* Chang LPT, Harding HE, Soogrim D, James B, Ehikametalor E, Frankson MA, Gordon-Strachan GM: Interdisciplinary communication in the Intensive Care Unit at the University Hospital of the West Indies. WIMJ, November 2008; 57 (Suppl.4): 20

* McDonald S, Harding HE, James B, Ehikametalor E, Scarlett MD: Emergency surgical operations at the University Hospital of the West Indies: an evaluation of the factors affecting standard of care and outcome. WIMJ, November 2008; 57 (Suppl.4): 21

* Jefferson, DA Harding HE, Jackson-Gibson A: Postoperative analgesia in the Jamaican cannabis user. WIMJ, November 2008; 57 (Suppl.4): 21

* Patterson C, Harding-Goldson HE, James B: An assessment of the knowledge, attitudes and practices of physicians working in intensive care units in Kingston, Jamaica, towards death and brain stem testing. WIMJ, November 2008; 57 (Suppl.4): 22

* Toppin PJ, Nicholson A, Harding HE, Soogrim D: Central venous catheter-related infections in the Intensive Care Unit at the University Hospital of the West Indies. WIMJ, November 2008; 57 (Suppl.4): 22

* Morrison B, Madden W, Aiken W: The prevalence and determinants of priaprism in adult males with sickle cell disease. WIMJ, November 2008; 57 (Suppl.4): 25

* West WM, Sutherland NG: Extruded lumbar intervertebral discs on MRI – a five year review. WIMJ, November 2008; 57 (Suppl.4): 38.

* Pierre RB, Laws H, Plummer J, McCartney T, McDonald AH: The Caribbean Association of Medical Councils (CAMC) examination – precursor to a regional licensing examination. WIMJ, November 2008; 57 (Suppl.4): 42
* Chin V, Harding HE, Tennant I, Soogrim D, Gordon-Strachan GM, Frankson MA: Dynamics of antibiotic usage in the Intensive Care Unit at the University Hospital of the West Indies. WIMJ, November 2008; 57 (Suppl.4): 42

* Tennant I, Augier R, Crawford-Sykes A, Hambleton IR, Tha MW, Harding HE: Anaesthetic morbidity in a developing country: a prospective cross-sectional study from the University Hospital of the West Indies, Jamaica. WIMJ, November 2008; 57 (Suppl.4): 43.


* Chambers C, Mowatt L: A study on the outcomes of traumatic hyphaema at the University Hospital of the West Indies. WIMJ, November 2008; 57 (Suppl.4): 44.

* Morrison B, Aiken W, Gordon-Strachan GM, Frankson MA: Biochemical progression post orchidectomy in Jamaican patients with prostate cancer. WIMJ, November 2008; 57 (Suppl.4): 45


* Cawich SO, Iheununekwu N, Hendricks F, Hoeksema G, van Hanswijck de Jonge L, Frankson MAC, Harding HE:
Vascular access operations for dialysis in the Cayman Islands: Results of a pilot study. WIMJ, 2009; 58(2): 63


**INCOME GENERATION**

<table>
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<tr>
<th>Service</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Paediatric Surgery</td>
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<td>Clinical Research Meeting</td>
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<td>Burn Unit</td>
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<td>UWI Caribbean Neuroscience</td>
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<td>Symposium</td>
<td>$3,349,989.66</td>
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<td>Consultancy income</td>
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<td>Total:</td>
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**RESEARCH GRANTS**

Bruce, C: Prospective, Multi-Centre Clinical Study of the Clinical Performance of Dura Tech Dura Substitute #3607

Study sponsor - Osteotech, Inc New Jersey, USA – **US$ 50,000.00**

Crandon I, Harding H, Mitchell D & Ferron-Boothe D: 3M Study 05-011097 - A prospective randomized trial performance of a 3M investigational bordered transparent film dressing to a commercially-available bordered transparent firm dressing when worn on central venous catheter sites of hospitalized patients.

3M Company, Minnesota, USA **US$ 9,120.00**
Wayne State University again provided a research grant to five residents to visit that institution, making a total of nine residents who have benefitted from this experience.  

**US$5,000.00**

Morrison B, Aiken W: The effect of Zinc supplementation and synthetic testosterone on hypogonadism in adult male patients with sickle cell disease. New Initiative Grant (UWI):  

**J$1,479,000.00**

Grindley, B: Cancer Prevalence in Jamaica by Parish. New Initiative Grant (UWI)  

**J$850,000.00**

**Donations**

The following donations were received by the Division of Accident & Emergency Medicine:

- Two computers from LIME Jamaica Ltd.
- One computer donated by the bank of Jamaica
- One multi-media projector donated by the Caledonia outdoor advertising agency
- Cash donation from a grateful family
- Six five ton air-conditioning units donated by Scotiabank Jamaica.
- 10 wheel chairs from the Rotary Club of Downtown Kingston at a nominal fee.
- Multimedia projector from the OK Coral Group.

**PUBLIC SERVICE**

**Prof. Ivor Crandon**

- Member, Appeal Panel of the Jamaican Anti Doping Commission, Ministry of Local Government, Community Development & Sports
- Medical Advisor to Board, Medecus Insurance Co
- Member, Jamaica Cricket 2007 Medical Directorate & Medical, Health and Anti- Doping Committee
– Trustee, Mona Investment Trust Club
– Chairman, Intensive Care Unit/Operating Theatre Committee

Dr. Michael McFarlane
– Honorary Consultant, Jamaica Cancer Society
– Member, Board, Jamaica Cancer Society
– Examiner in Surgery, Caribbean Medical Council
– Vice-President American College of Surgeons (Jamaica Chapter)

Dr William Aiken
– Member of Steering Committee of National Institute of Health, New York, USA, U54 project.
– Convener/Secretary of the Mona Investment Trust Club
– Consultant, Prostate Cancer Screening Clinic, Jamaica Cancer Society
– Convener, Doctors on Stage for Cancer

Dr Christopher Rose
– Vice-President Jamaica Association of Sports Medicine.
– Consultant, National Sports Medicine Clinic.
– Chairperson, Educational Committee JASM
– Consultant, Jamaica National Football Team & to many National Premier League Football teams

Dr Derek Mitchell
– Treasurer, Jamaican Chapter, American College of Surgeons.
– Treasurer, Advanced Trauma Life Support, Jamaica
– Consultant, Breast Cancer Screening Clinic, Jamaica Cancer Society

Dr. Rajeev Venugopal
– Volunteer Physician for Jamaica Football Federation
– Art Director for Mehefil (Indian Cultural Show)
Dr. Lizette Mowatt
  – Vice President, Ophthalmological Society of the West Indies (OSWI)

Dr. Hyacinth Harding-Goldson
  – Member, Intensive Care Unit/Operating Theatre Committee
  – Examiner, Jamaica School of Nurse Anaesthetists
  – Participant Caribbean Woman Expo (The Caribbean Events Group)
  – Participant Sigma Corporate Run for charity

Dr. Marinna Scarlett
  – Chairman, Policies & Procedures Audit Committee, UHWI
  – Dr. Melody Isaacs
  – President, Jamaica Anaesthetists’ Association

Dr. Dave McGaw
  – Treasurer, Caribbean Cardiology Society

Dr. Sundeep Shah
  – Vice President, The Jamaican Association of Radiologists

Dr. Jean Williams-Johnson
  – Medical Director, Accident & Emergency Unit, UHWI
  – Secretary, Management Committee, Caribbean Poison Information Centre
  – Member, Executive Committee, Jamaica Association of Sports Medicine
  – Volunteer service as Team Physician to several local sports meetings
  – Chairman, Advisory Committee, Accident and Emergency Medicine

Dr. P. Singh
  – Deputy Director, Accident & Emergency Unit, UHWI
  – President, Jamaica Association of Sports Medicine
  – Volunteer service as Team Physician to several local sports meetings
– Team Physician, Jamaica Netball Team

**Dr. Rhonda Hutson**
– Sexual assault Investigator, Centre for Investigation of Sexual Offences and Child Abuse (CISOCA)

**Dr. Simone French**
– President, Jamaica Emergency Medicine Association

**Dr. Eric Williams**
– Volunteer doctor, Jamaica National Children’s Home

**HONOURS and AWARDS**

Vice Chancellor’s Award for Excellence in teaching (Medicine & Humanities)

- Dr. M.D. Scarlett
- Dr. R. Augier
- Dr. J. Minott
- Dr. A. Williams

Vice Chancellor’s Award for Excellence in teaching (Emergency Medicine)

- Dr S. French
- Dr. N. Hart
- Dr. R. Hutson
- Dr. P. Singh
- Dr. J. Williams-Johnson
- Dr. E. Williams

**INFORMATION ON STUDENTS**

**Undergraduate**

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<th>Year</th>
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<td>Year 2</td>
<td>190</td>
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<tr>
<td>Year 3</td>
<td>174</td>
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Year 4 – 105
Year 5 – 129

**MB BS May/ June 2009**

Number of candidates - 114 (1 second attempt)
Number of passes - 104
Number of honours - 10

**MB BS November/December 2008**

Number of candidates - 9 (5 - Mona; 4 Bahamas)
Number of passes Mona - 2
Number of passes Bahamas - 2

**Postgraduate**

The Graduate programmes of the Department have 118 students in its various disciplines: 25 in General Surgery, 19 in Orthopaedics, 7 in Urology, 8 in Otorhinolaryngology, 6 in Neurosurgery, 3 in Cardiothoracic Surgery, 12 in Ophthalmology, 16 in Accident & Emergency Medicine, 17 in Radiology, and 21 in Anaesthesia & Intensive Care.

**DM Part I**

<table>
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<tr>
<th>Subject</th>
<th>Successful Candidates</th>
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<td>Physiology</td>
<td>- 12/13 candidates were successful</td>
</tr>
<tr>
<td>Anatomy</td>
<td>- 11/13 Candidates were successful</td>
</tr>
<tr>
<td>Principles of Surgery</td>
<td>- 11/13 Candidates were successful</td>
</tr>
<tr>
<td>Pathology</td>
<td>- 12/13 Candidates were successful</td>
</tr>
</tbody>
</table>

The following students were awarded DM degrees:

- Patrick Roberts - DM General Surgery
- Leo Paul Powell - DM General Surgery
- Carlos Wilson - DM General Surgery
- Patricia McLean - DM General Surgery
- Warren Chin - DM Urology
- Kimani White - DM Orthopaedics
- Adrian Coye - DM Cardiothoracic Surgery
<table>
<thead>
<tr>
<th>Name</th>
<th>Specialization</th>
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<tbody>
<tr>
<td>Sherard Little</td>
<td>DM Cardiothoracic Surgery</td>
</tr>
<tr>
<td>Marsha James</td>
<td>DM Otorhinolaryngology</td>
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<tr>
<td>Marian Allison-Vaughn</td>
<td>DM Radiology</td>
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<tr>
<td>Donald Ellis</td>
<td>DM Radiology</td>
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<tr>
<td>Raquel Reid-Stultz</td>
<td>DM Radiology</td>
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<tr>
<td>Alistair McBean</td>
<td>DM Radiology</td>
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<tr>
<td>Suzanne McDonald</td>
<td>DM Anae. &amp; Intensive Care</td>
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<tr>
<td>Lisa Chang</td>
<td>DM Anae. &amp; Intensive Care</td>
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<tr>
<td>Vannesssa Chin</td>
<td>DM Anae. &amp; Intensive Care</td>
</tr>
<tr>
<td>Karen Lewis</td>
<td>DM Emergency Medicine</td>
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<tr>
<td>Denise Braithwaite</td>
<td>DM Emergency Medicine</td>
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<tr>
<td>Romayne Edwards</td>
<td>DM Emergency Medicine</td>
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<tr>
<td>Khalilah Bullock</td>
<td>DM Emergency Medicine</td>
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**Fellowships**

- P.J. Toppin - Cardiac Anaesthesia & Cardiac Intensive Care, University of Toronto
- Vannesssa Chin – Paediatric Intensive Care & Cardiac Anaesthesia, University of Toronto
- Christine Stephen - Adult Intensive Care, University of Toronto
- Pierre Anthony Leake – Minimally Invasive Surgery, St. Joseph’s, Toronto.
- Patrick Roberts – Surgical Oncology and Hepatobiliary Surgery, University of Toronto

**Prizes Awarded:**

**Stephanie Lyew (Mona): Aubrey McFarlane Prize:**

(Awarded to the student with the best overall performance in Surgery in the May/June Final MBBS Examinations at the Mona Campuses).

**Clive Goulbourne (Mona): Chin Yee Prize:**

(Awarded to the student with the best aggregate in the end of clerkship MCQ exams in Orthopaedics, Ophthalmology, Otorhinolaryngology and Anaesthesia & Intensive Care).