

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY



Dr. Carole Rattray, MBBS, DM (O&G), FRCOG, FACOG
Head of Department

WORK OF THE DEPARTMENT

The department continues to make great strides in Teaching and Research & Service activities. Our Associate Lecturers from our affiliate accredited hospitals of Cornwall Regional Hospital, Mandeville Regional Hospital, Spanish Town Hospital and Victoria Jubilee Hospital & The May Pen Hospital continue to give indispensable support to the department as the numbers of undergraduate students continue to grow and we have recently started sending students to the Savannah-La-Mar hospital for clinical rotations.

Our services include general Obstetrics and Gynaecology, Reproductive Endocrinology and Assisted Reproduction, Gynaecological Oncology and Perinatal services and we are proud to have introduced a new clinical Fellowship Programme, the Gynaecological Oncology Fellowship Programme, to the offerings from our department. The primary thrust of this fellowship programme is to train persons in gynaecological oncology

to serve Jamaica & the wider Caribbean and we have started with one Fellow from Jamaica and one from St. Vincent. This Fellowship Programme is spearheaded by Drs. Matthew Taylor and Ian Bambury.

Our Maternal Fetal Medicine Fellowship Programme continues to attract many applicants and is presently still run in conjunction with the PROMAC programme.

Obstetric Perinatal Service

This service manages high risk Obstetric cases and accepts referrals from the rest of the island. The Unit provides teaching for postgraduate and undergraduate medical students. Perinatal Audits occur monthly as a joint meeting with the Department of Child Health and annual conference in February of each year is run by the High Risk Obstetric team in collaboration with the Neonatologists & Neonatal Pathologists..

The Labour Ward and Postnatal Services are supervised by Drs. Michelle Campbell and Lenroy Bryan who also teach undergraduate and postgraduate students as well as midwives in training.

The Department offers Obstetric Ultrasound Services to both the University Hospital and referrals from outside the University. Ultrasound courses are offered twice a year through the PROMAC initiative. Ultrasound training is spearheaded by Dr. Nadine Johnson and Dr. Tiffany Hunter.

Oncology Unit

Dr. Taylor & Dr. Bambury are the two trained gynaecological Oncologists in the department and together with Dr. Rattray & Dr. Mitchell & Dr. Medley, form the Gynaecological Oncology Team. They are assisted by Sister Murdoch and her team of nurses as well as administrative secretary Miss Thompson. Residents rotate through the unit spending 2 months in the Colposcopy and Oncology areas. Patients requiring colposcopy in the management of the abnormal cervical smear are seen in the Colposcopy clinics while patients with gynaecological malignancies, are seen in the

Oncology clinic both in preparation for surgery and in following patients post-surgery, post chemotherapy and radiation therapy. The Unit also has facilities for teaching both undergraduate and postgraduate students

Fertility Management Unit

Dr. Vernon DaCosta took over as Director of the Unit following the retirement of Professor Joseph Frederick. The team in the Unit consists of Drs. Shaun Wynter, John Harriott, Loxley Christie and Sharifa Frederick as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counselors. Two other staff members in the programme are Miss Denise Everett, a senior embryologist (Biologist) and Miss Hillary Walters a staff Nurse as the coordinator of the programme. This team has championed the In Vitro Fertilization and Embryo Transfer Programme for Jamaica and the Caribbean. Pregnancy rates continue to improve and frozen embryos and donor eggs are now being stored. Minimally invasive procedures such as hysteroscopy and laparoscopy (both diagnostic and therapeutic procedures) are provided as day case procedures and the family planning clinic offers contraceptive and sterilization advice.

STAFF

Professor Horace Fletcher, Professor Obstetrics & Gynaecology.

Conferences attended

- Caribbean Gynaecologic Cancer Society annual meeting University Miami Sylvester Center, January 13–17 2017
- Caribbean Gynaecologic Cancer Society Marriot Courtyard Bridgetown – Barbados Fellowship Meeting Agenda, April 8, 2017

GRANT FUNDING

- **Bambury I, Fletcher H.** Principals New Initiative Grant \$1.5 Million
- Guinea Hen Weed (DTS) in the treatment of advanced cancer(colon, breast prostate and Cervix)

Dr. Santosh Kulkarni, Senior Lecturer

Head of Firm B – High Risk Obstetrics Team

Teaching

- Undergraduate – UG module in 3rd year, MBBS and 4th and 5th year clerkships

Postgraduate-

- Convener of the module system for the DM curriculum at Mona (completed full cycle of total 16 module course June 2016). Commenced new cycle July 2016 to June 2020
- Implementation of module exams online with Dr. Darron Halliday in the Bahamas (Jan 2016)

DM student supervisor for Dr. Robyn Khemlani: ethics approval granted

- Maternal transport to UHWI-clinical outcomes
- Psychological and sexual well-being following emergency hysterectomy

Dr. Shaun Wynter, Senior Lecturer

Work in the Department (General)

- A member of the Firm A team with the concentration of work is within the HWFMU. The work assignments are on a 4 week rotation, Monday to Friday with assignments to IVF ultrasound, IVF procedures, Endoscopy surgery lists, Teaching and service to the hospital.

Teaching

- Undergraduate – Junior & Senior clerkship students
- Postgraduate – Residents rotating to the HWFMU for endoscopic surgery training.
- Dr Wynter created the electronic data capture in excel for all the cases going to the OT and extracted the endometriosis cases for further evaluation in SPSS for analysis.

Income Generation

The IVF and the endoscopic surgery procedures that I perform in the HWFMU daily are all income generating for the UWI.

Outreach

I was a member of the ISGE CAGES international conference organising committee that was held in March 2017.

Papers / Posters Presented (Major conferences/Seminars)

- Common Gynaecological Issues in Adolescence. The Ministry of Health in collaboration with University Hospital of the West Indies 6th annual national workshop “*The Adolescent Patient*” Braco Melia Hotel, Jamaica, December 18, 2016
- “Whose cell is it anyway” Jamaica Medical Doctors Association 7th Annual Ethics Conference, Mona Visitors Lodge, February 5 2017
- A challenging case of recurrent post menopausal bleeding **CPC** main lecture Theatre FMS UWI, February 15 2017
- Laparoscopic Fertility Enhancing Surgery; The Jamican experience. **ISGE CAGES International Congress and Post-Graduate Courses.** Hilton Rose Hall. Montego Bay, Jamaica, March 24, 2017
- Presented with the UWI 21 years Long service award 1995–2016

Dr. Carole Rattray

Senior Lecturer, Head Department

- A member of the Gynaecological Oncology Team
- First Examiner across all 4 UWI campuses in December 2016 - May/June 2017.

Teaching:

- Undergraduate – MBBS junior & senior students in didactic lectures, tutorials and clinical situations on the wards, in the clinics & in the O.T

Postgraduate

- Didactic lectures, tutorials and clinical situations on the wards, in the clinics & in the O.T
- Postgraduate Module on Research & Statistics with hands on practical sessions in SPSS
- Setting of final examination papers both undergraduate & postgraduate & administration of the examinations across all 4 campuses
- Initiation of Fellowship Programme in Gynaecological Oncology
- Income Generation: PROMAC – Scholarship awards, Equipment for Fellowship Programme in MFM & Emergency Obstetrics (Ultrasound Machine & CTG Machines)

Dr. Vernon. DaCosta, Senior Lecturer

- Teaching- Both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit as Director

Dr. Sharmaine Mitchell, Lecturer

- A member of the Gynaecological Oncology Team
- Teaching- Both Undergraduate & Postgraduate Students
- The primary advocate for Undergraduate students and conducts revision sessions for the MBBS examinations. Departmental Representative on the University Hospital Pharmacy committee

Dr. Nadine Johnson, Lecturer

- Teaching- Both Undergraduate & Postgraduate Students
- Materno-Fetal Medicine Specialist in the Department with responsibilities for conducting and Teaching & Research in Obstetric Ultrasound.

Dr. Donnette Simms-Stewart, Senior Lecturer

- Teaching – Both Undergraduate & Postgraduate Students
- Continued Involvement in student teaching and research.

- The Folic Acid Clinical Trial (FACT trial) entered its final stages and culminate in an unveiling of results in Ottawa Canada in May 2018. We await publication which is targeted for September 2018.
- FACT CHILD , an arm of the study, funding was approved and protocol discussed at the meeting and is set to commence in this academic year.
- Dr. Donnette Simms-Stewart continue to coordinate the year 2 to 3 genitourinary module and this year was particularly smooth.
- Staging of annual ACOG conference – The Bleeding Woman was a success

Dr Ian Bambury, Lecturer

- Member of the FIRM C Oncology team, providing services to oncology patients across the island of Jamaica.
 - Teaching Undergraduate & Postgraduate students
 - Departmental representative on the Committee for Graduate Studies
- Dr Bamburt is involved in coordinating and moderating the monthly Gynaecology Audits presented by the residents.

Dr. John Harriott, Lecturer

- Teaching – Both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.
- Departmental Representative on the University Ethics Committee

Dr. Loxley Christie, Lecturer

- Teaching – Both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.
- Departmental Representative on the University Hospital Accident & Emergency Committee

Dr. Sharifa Frederick, Lecturer

- Teaching – Both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.

Dr. Leslie Samuels, Associate Lecturer

- Teaching – Both Undergraduate & Postgraduate Students
- Responsible for the preparation of DM 1 candidates for examinations

Dr. Matthew Taylor, Associate Lecturer

- Teaching- Both Undergraduate & Postgraduate Students
- The Chairman of the OSCE Committee with responsibilities for creating, collecting, vetting OSCE questions and implementation of end of clerkship OSCE examinations for both Junior & Senior clerkships in Obstetrics & Gynaecology.

Dr. Cathy Maddan, Associate Lecturer

- Teaching – Both Undergraduate & Postgraduate Students

Presentations

- Family Nurse Practitioners of Ja Annual Conference (National Chest Hospital)
- Hypertensive Disease in Pregnancy
- Midwifery School UHWI
- Cardiac Disease in Pregnancy
- UHWI Annual Perinatal Conference
- Antenatal Care for the Sickle Cell Patient
- Trainer in the JOTTIE program 2016, 2017

Organizer for “The UWI Annual Perinatal Conference: Obesity a Worldwide Epidemic” in conjunction with the Department of Child Health. Over 300 persons in attendance from across the island with a guest speaker from MetroHealth Ohio, Prof Patrick Catalano.

- Member of the Review Group for Maternal Mortality for the SERHA Region

Community Outreach

- Medical Doctor Elsie Beaman Home for Girls (St. Andrew)

Dr. Tiffany HunterGreaves

Lecturer

- Work in the Department (General)
- Position: Consultant and Lecturer
- Chief architect in the administration of the new Fellowship Programme in Feto-Maternal Medicine & Emergency Obstetrics

Teaching

- Undergraduate: Clinical based teaching, didactic sessions and presentation moderation of 2nd–5th year medical students. Specifically, case based learning (CBL) sessions and practice OSCEs with final year medical students

Postgraduate:

- Tutorial sessions with Doctor of Medicine part 2 students
- Instructor in ultrasound course offered by Department of Obstetrics and Gynaecology
- Development and coordination of new Post-graduate programme for the department (Fellowship in Maternal Fetal Medicine and Emergency Obstetrics)

Papers presented

- **T. Hunter, O. Cunningham, J. Harriott, G. Lewis, C. Rattray.** “Current Practice and Knowledge of Aneuploidy Screening, a Nationwide Survey”. (*Poster presentation*)
- 65th Annual Clinical and Scientific Meeting of the American College of Obstetricians and Gynecologists, May 6–9, 2017, San Diego, CA.

Dr. Natalie Medley, Associate Lecturer

- Member of the Gynaecological Oncology Team
- Internal operational procedures
- Assisted with organizing and training in the first UHWI obstetric skills and drills workshop (JOTTIE)
- Teaching, learning and student development

Department of Obstetrics & Gynaecology

- Assist with organizing lectures for MFM fellowship program
- Presenter in MFM ultrasound course – Doppler in Obstetrics
- Undergraduate & postgraduate seminar moderator
- Member of the UWI Ethics Committee

Dr. Michelle Campbell, Associate Lecturer

- Teaching – Both Undergraduate & Postgraduate Students
- The Consultant in charge of the Labour and Delivery suite and the Postnatal Services and champion in the renovation of the Labour Ward.

Income Generation

- Income was generated from the Perinatal Conference held in February 2017 which I coordinated. A report of this was previously submitted. A portion of these funds went towards the improvement of the labour ward.

Public Service

- Health care provider of/with Hope Gospel Assembly's (which is a registered charity) Care Clinic. Providing health care free of cost to the less fortunate in and around the Kingston 6 area. We also finance an annual back to school project for students of the same area whose parents are having financial difficulties.

Dr. Lenroy Bryan, Associate Lecturer

- Teaching – Both Undergraduate & Postgraduate Students
- The Consultant in charge of the Labour and Delivery suite and the Postnatal Services and champion in the renovation of the Labour Ward.
- Member of the UHWI Protocol Committee

Income Generation: External Research Funding and Grant Support

Research funding: **Dr SimmsStewart**

- Twin Birth Study - US\$ 60,000
- FACT trial - US\$10,000

International Publication History

Issue published online: 13 JUL 2010

Article first published online: 13 JUL 2010

VISITORS TO THE DEPARTMENT

- Visiting US and ISGE surgeons from Belgium, Germany, Iran and India performed endoscopic cases in the HWFMU, alongside myself and other Firm A consultants, on March 21, 2017
- Professor Philip Steer (UK)– External Examiner December 2016
- Professor Gene Burkett (USA)- External examiner May/June 2017

PUBLIC SERVICE

Dr. S Kulkarni

- Jamaica MOH Maternal Mortality audit Committee
- Jamaica MOH Patient Affairs Audit Committee

Dr. Nadine Johnson & Dr. Cathy Maddan

- Coorganizers of annual perinatal conference.

INTERNATIONAL POSITIONS

Dr. Simms Stewart: ACOG Vice Chair, West Indies Section

PUBLICATIONS

- Assessment of fish consumption and mercury exposure among pregnant women in Jamaica and Trinidad & Tobago. Ricketts P, Basu

- N, **Fletcher H**, Voutchkov M, Bassaw B. *Chemosphere*. 2016 Dec;164:462-468. doi: 10.1016/j.chemosphere.2016.08.054. Epub 2016 Sep 7.
- Factors associated with mercury levels in human placenta and the relationship to neonatal anthropometry in Jamaica and Trinidad & Tobago. Ricketts P, **Fletcher H**, Voutchkov M. *Reprod Toxicol*. 2017 Apr 28;71:78-83. doi: 10.1016/j.reprotox.2017.04.008. [Epub ahead of print] Volume 71, August 2017, Pages 78–83
 - Effect of early tranexamic acid administration on mortality, hysterectomy, and other morbidities in women with post-partum haemorrhage (WOMAN): an international, randomised, double-blind, placebo-controlled trial. **WOMAN Trial Collaborators (Fletcher H, Samuels L)** *Lancet*. 2017 May 27;389(10084):2105-2116. doi: 10.1016/S0140-6736(17)30638-4. Epub 2017 Apr 26.
 - Total reflection X-ray fluorescence as a fast multielemental technique for human placenta sample analysis. Marguï E, Ricketts P, **Fletcher H**, Karydas AG, Migliori A, Leani JJ, Hidalgo M, Queralt I, Voutchkov M. *Spectrochimica Acta Part B: Atomic Spectroscopy* 130, 53-59
 - Zika virus and pregnancy. Bahado-Singh, A. Citil-Dogan, S. Wayne, S. Bauer, D. Ogunyemi, S. **K. Kulkarni**. Accepted author version posted online: 10 Jun 2016, Published online: 12 Apr 2017 *The Journal of Maternal-Fetal & Neonatal Medicine*, 30(13), p. 1539
 - **T. Hunter-Greaves**, O. Cunningham, **J. Harriott**, **C. Rattray**. “Current Practice and Knowledge of Aneuploidy Screening, a Nationwide Survey”. *West Indian Medical Journal Nov 2016*. Vol 65 (Supl. 6): p.51-52
 - **T. Hunter-Greaves**, O. Cunningham, **J. Harriott**, G. Lewis, **C. Rattray** . “Current Practice and Knowledge of Aneuploidy Screening, a Nationwide Survey”. *Obstetrics & Gynecology: May 2017-Volume 129-Supplement 1*. p. 27s.
 - **T. Hunter**, J. Shah, A. Synnes, S. Shivananda; G. Ryan, P. Shah, K. Murphy, on behalf of the Canadian Neonatal Network. “Neonatal

outcomes of preterm twins according to mode of birth and presentation".

Journal of Maternal Fetal Neonatal Medicine. 2017 March 8:1-7.

- Evaluating Near Miss Mortalities at the UHWI. Maternal Death and Surveillance Group – The Regions of the Americas, Guidelines for Maternal Death Surveillance. **C. Maddan** et al. Dec 2016

EDITORIAL BOARD MEMBERSHIP AND OTHER RESEARCH RELATED ACTIVITIES

Fletcher H

West Indian Medical Journal

Journal of Obstetrics and Gynaecology (UK)

International Journal of Obstetrics and Gynaecology (USA)

Obstetrics and Gynecology (Green Journal) (USA)