

## 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. The new format MBBS Clinical examinations (OSCE) across all 4 campuses was improved upon with the use of the Domain Marking System in May/June 2016. 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. Our cadre of staff increased with the addition of two new Associate Lecturers for the Labour Ward and one new Associate Lecturer for the Gynaecological Oncology Team.

Our services include general Obstetrics and Gynaecology, Reproductive Endocrinology and Assisted Reproduction, Gynaecological Oncology and Perinatal services.

## **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 first multidisciplinary training course in Obstetrics Skills and Drills was held in March 2016 and was led by two physicians from Dundee University, Scotland. It consisted of a two day workshop – training of trainers on Day 1 and a twenty participant (multidisciplinary) workshop on Day 2.

We launched the first clinical Fellowship Programme in Materno-Fetal Medicine and Emergency Obstetrics in July 2015 with 3 Fellows and the second cohort started in July 2016 with 2 Fellows. The primary thrust of this fellowship programme is to train persons to lead High Risk Obstetric Teams & High Dependency Units across Jamaica. This Fellowship Programme is spearheaded by Dr. Tiffany Hunter Greaves.

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 and Dr. Bambury are the two trained gynaecological Oncologists in the department and together with Dr. Ratray, Dr. Mitchell and 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. A new Fellowship Programme in Gynaecological Oncology is in development.

### **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.

### **PAPERS/ POSTERS PRESENTED**

- R Shirley, I Bambury, B Morrison, C Rattray. Vesicovaginal Fistulae: a retrospective case series at the University Hospital of the West Indies over a 15-year period, Jamaica Urology Society, Jamaica Conference Centre. Oral Presentation, March 6, 2016.
- I. Bambury. Knowledge and Attitudes of a Cohort of Male University Students in Jamaica Regarding Human Papilloma Virus (HPV) and the HPV Vaccine. Poster Presentation. Global Cancer research symposium, San Francisco, April 8, 2016.
- I. Bambury. An Audit of Wait Times for Service Offered by the

Gynaecology Oncology Unit at the University Hospital in Jamaica: Are We Meeting the Standards? Poster Presentation. Global Cancer research symposium, San Francisco, April 8, 2016.

- **I. Bambury.** Cervical cancer the Scope of the Problem. Jamaica Cancer Society – Dr St Elmo Hall Lecture Series at the Jamaica Pegasus Hotel, April 17, 2016
- **H. Fletcher.** Maternal Mortality presentation Symposium on Aspects of Women's Health, Arthur Chung Convention Center, Georgetown, Guyana, Sunday, February 21, 2016 Guyana-Jamaica Friendship Association (New York) Inc., in collaboration with the Ministry of Public Health, Guyana.
- Nadine Johnson, Sean Parkinson, Carole Rattray. 'Pregnancy Outcomes of Women with Prosthetic Heart Valves at University Hospital of the West Indies (UHWI)'. Poster Presentation.
- **N. Johnson.** Cardiac Problems in Pregnancy Congress (CPP 2016), Las Vegas, USA, Poster Presentation, February 2 –March 1, 2016.
- **N. Medley.** International Society of Prenatal Diagnosis (ISPD) 19th Annual Conference in Washington, July 2015, Poster Presentation.
- **Natalie Medley, Nadine Johnson, Carole Rattray, Blondel Crosdale.** Perinatal outcome of growth restricted fetuses after iatrogenic preterm delivery secondary to early onset severe preeclampsia with abnormal dopplers: The UHWI experience. Poster Presentation.
- **N. Medley.** Obstetric ultrasound, a window into the uterus. Workshop – Mandeville Regional Hospital Annual Symposium, May 2016.
- **S. Wynter.** Saline Infusion Sonography and Hysteroscopy. HWFMU Seminar. July 2016
- **S. Wynter.** Luteal Phase support in IVF. HWFMU Seminar. July 2016
- **S. Wynter.** "An Update on the management of Female Infertility, the investigations and treatment". The Caribbean College of Family Physicians (CCFP) Jamaica Chapter, July 24, 2016 at the Alhambra Inn, Kingston.

## PUBLICATIONS

- Natalie Medley, Nadine Johnson, Carole Rattray, Blondel Crosdale. Perinatal outcome of growth restricted fetuses after iatrogenic preterm delivery secondary to early onset severe preeclampsia with abnormal dopplers: *The UHWI experience. Prenatal Diagnosis* 2015, 35, 91–93
- Sean Parkinson, Ian Bambury, Carole Rattray. Knowledge and Attitudes of a Cohort of Male University Students in Jamaica Regarding Human Papilloma Virus (HPV) and the HPV Vaccine. *JGO* July 20, 2016.
- Ian Bambury, Christopher Fletcher, Carole Rattray, Matthew Taylor, Charmaine Mitchel, Loxley Christie. An Audit of Wait Times for Service Offered by the Gynaecology Oncology Unit at the University Hospital in Jamaica: Are We Meeting the Standards? *JGO* July 20, 2016.
- Ayse Citil-Dogan, MD, Sandra Wayne, MS WHNP-BC, Samuel Bauer, MD, Dotun Ogunyemi, MD, Santosh K. Kulkarni, MB, BS, Devika Maulik, MD, Christopher F. Carpenter, MD, Ray O. Bahado-Singh, MD, MBA. The Zika Virus and Pregnancy: Evidence, Management, and Prevention. Doi: 10.3109/14767058.2016.1174210  
*The Journal of Maternal-Fetal & Neonatal Medicine*

## INCOME GENERATION: EXTERNAL RESEARCH FUNDING AND GRANT SUPPORT

### Professor Horace Fletcher

- 2015 Prevention of Mother and Child Mortality 1 million Euro from the 2.4 Million Euro from Ministry of Health Jamaica to UWI to train doctors and nurses

### Dr Donnette Simms-Stewart

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

## **PUBLIC SERVICE**

### **Dr. Loxley Christie**

- Departmental Representative on the University Hospital Accident & Emergency Committee

### **Professor Horace Fletcher**

- President, Cornwall College Old Boys Kingston Chapter
- Member, University Hospital Board
- Member, Medical Council of Jamaica
- Member, Ministry of Health Task Force to examine Doctors working Hours
- Member, Tony Thwaites Wing Risk Management Committee
- Chairman, The University Hospital Procurement Committee
- President, Caribbean Gynecologic Cancer Society
- Reviewer, *British Journal of Medicine and Medical Research*
- Reviewer, *Journal of Obstetrics and Gynaecology*
- Reviewer, *International Journal of Obstetrics and Gynecology*
- Reviewer, *West Indian Medical Journal*

### **Dr. Santosh Kulkarni**

- External Examiner for the inaugural batch of 5 residents completing the OG program of the University of Guyana May 27th 2016
- Member, Jamaica MOH Maternal Mortality audit Committee
- Member, Jamaica MOH Patient Affairs Audit Committee

### **Dr. Cathy Maddan**

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

**Dr. Natalie Medley**

- Member, Organization for International Development (OID)
- Participated in volunteer service activities at the Missionaries of the Poor in downtown Kingston in January 2016. Conducted well-woman checks including cervical cancer screening.

**Dr. Carole Rattray**

- Vice President, Caribbean Gynecologic Cancer Society
- Chairman, Ministry of Health Maternal Mortality Committee

**Dr. Donnette Simms-Stewart**

- Vice President, American Congress of Obstetrics and Gynaecology, West Indies Section

**INTERNATIONAL VISITORS TO THE DEPARTMENT**

- 1) Dr Kevin Hayes
  - a. External Examiner December 2015
  - b. Workshop on Workplace Based Assessments
- 2) Professor Nicholas Leyland – External examiner May/June 2016
- 3) Dr. Karolynn Echols – Urogynaecologist
- 4) Dr. Kathrine Orr – Obstetrician, University of Dundee – facilitator of the Emergency Skills & Drills Workshop
- 5) Dr. Kathrine Zealley – Anaesthetist, University of Dundee - facilitator of the Emergency Skills & Drills Workshop

**STUDENT AWARDS/PRIZES**

- MBBS Medal in Obstetrics & Gynaecology – Abigail Morris