

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. We had our inaugural new format MBBS Clinical examinations (OSCE) across all 4 campuses in May/June 2014 and this was a success. 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 services include general Obstetrics and Gynaecology, Reproductive endocrinology, Gynaecological Oncology, Perinatal services and Assisted Reproduction.

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. Leslie Samuels and Cathy Maddan who also teach undergraduate and postgraduate students as well as midwives in training.

Oncology Unit

Dr Taylor & Dr. Bambury are the two trained gynaecological Oncologists in the department and together with Dr. Rattray & Dr Mitchell, 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

Professor Joseph Frederick is the director of the Unit with Drs. Shaun Wynter, Vernon DaCosta, 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.

The official opening of the renovated Hugh Wynter Fertility Management Unit took place in November 2013. This state of the art building is now fully functional. It houses two operating suites equipped with a surgical robot, a lecture theatre and new in vitro fertilisation laboratories. This new unit will have facilities for video conferencing allowing for the transmission of live surgical procedures to other campuses in the Caribbean.

STAFF

Professor Horace Fletcher

- Also holds the position of Dean of the Faculty of Medical Sciences. Continues to make a significant contribution to research within the Department

Dr S Kulkarni

- Senior Lecturer, Head of Firm B – High Risk Obstetrics Team. Teaching both Undergraduate & Postgraduate students
- Architect for change to the new Modular Postgraduate System of Teaching & Learning

Undergraduate:

UG module in 3rd year MBBS and 4th and 5th year clerkships

Postgraduate:

- 1) Convener of the module system for the DM curriculum at Mona (completed ½ of total 16 module course June 2014)
- 2) Module developer-Audits module April–June 2014
- 3) Implementation of module exams and OSCE at all training sites including the Bahamas (June 2014)

Dr Shaun Wynter

- Senior Lecturer, Teaching both Undergraduate & Postgraduate students. I applied to the CHASE fund and got funds to purchase a virtual reaty laparoscopic simulator ‘LapSim’ from Surgical Science, Goteborg, Sweden to set-up the Skills Lab in the HWFMU on October1, 2013.
- **Research:** The lecturers on Firm A (Dr V DaCosta, Dr J Harriott, Dr L Christie, Dr. S Frederick and I) have been having research group meetings, in the time period under review resulting in 3 publications.
- **Staff training:** Co-ordinator of the Tuesday afternoon seminars in the FMU, where fertility management related topics are presented for staff improvement.
- **Service:** Member of the IVF team in the Fertility Management Unit – responsible for egg recovery, embryo transfer, surgical sperm retrieval among other duties.

Dr. Carole Rattray

- Senior Lecturer. A member of the Gynaecological Oncology Team. Teaching both Undergraduate & Postgraduate Students
- University Examiner for the Inaugural running of new format clinical examinations across all 4 UWI campuses in May/June 2014.

Dr. Vernon. DaCosta

- Lecturer. Teaching both Undergraduate & Postgraduate Students. Primary responsibility is in the Fertility Management Unit.

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
- The principal Materno-Fetal Medicine Specialist in the Department with responsibilities for conducting and Teaching Obstetric Ultrasound.

Dr. Donnette Simms-Stewart

Lecturer. Work in the Department (General)

1. Coordinator of the Urogenital module for medical students
2. Revision lessons and examination of CAMC students
3. Teaching and conduct of seminars for medical students
4. Teaching and conduct of seminars for postgraduate student
5. Conduct lectures and seminars for midwives
6. Conduct of clinico-pathological conferences – CME accredited
7. Planning of annual perinatology conference

Teaching

- Undergraduate – Head of Urogenital Module for undergraduate students
- Postgraduate – Convenor of Postgraduate Module in Maternal physiopathology in pregnancy

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. 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

- Associate 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
- The Consultant in charge of the Labour and Delivery suite and the Postnatal Services and champion in the renovation of the Labour Ward.

Dr. Matthew Taylor

- Associate Lecturer
- Teaching both Undergraduate & Postgraduate Students

- The Chairman of the OSCE Committee with responsibilities for creating, collecting, vetting OCE 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
- Labour Ward & the Postnatal Services Consultant and champion of Maternal Mortality & Near Miss Morbidities Audit

Dr. Talianne Titus

Associate Lecturer

- Teaching both Undergraduate & Postgraduate Students
- Materno-fetal Medicine Specialist and member of the OSCE Committee with responsibilities for creating, collecting, vetting OCE questions and implementation of end of clerkship OSCE examinations for both Junior & Senior clerkships in Obstetrics & Gynaecology.

RESEARCH IN PROGRESS

Dr C. Rattray

- Sublingual Misoprostol and Routine Third Stage Prophylaxis for the prevention of Postpartum Haemorrhage: A Multicentre Randomized Controlled Clinical Trial.

Dr I. Bambury

- Diabetes and Endometrial cancer in A Jamaican Cohort
- The attitudes of males towards receiving the HPV Vaccine

Dr. D. SimmsStewart

- Folic Acid Clinical Trial (FACT trial)
- Twin Birth Study (phase 2)

Dr S. Wynter

- Letrozole versus microdose flare protocol for poor responders: A prospective study amongst Jamaican women.
- Sperm Recovery and IVF in Patients after Surgical Sperm Retrieval under Local Anesthesia in a Jamaican Cohort
- Collaborating with Dr J Anzinger in the Department of Microbiology on the research project looking at the in-vitro interaction of human Lactobacilli and HIV recruiting volunteers and taking vaginal swabs.
- “Vaginal lactobascillus capture of HIV”

Dr. C. Maddan

- An Audit of The Near Miss Morbidities at the UHWI 2013-2015

RESEARCH COMPLETED (AWAITING PUBLICATION)

Dr. C. Rattray

- A Randomized Controlled Trial on the Effect of Sino-implant (II) Use on Condom Use among Women in Kingston, Jamaica. Collaboration with CDC.

Dr. D. Simms Stewart

- Review of Cervical Cerclage over a five year period at the University of the West Indies
- Malignant Mixed Mullerian Tumour of the Fallopian Tube associated with massive haemoperitoneum and haematometria – A case presentation
- Profiles of women with pelvic organ prolapse at the University Hospital of the West Indies-risk factors and presentation
- Risk factors and maternal and perinatal outcome associated with early onset versus late onset preeclampsia at the University Hospital of the West Indies. Income Generation: External Research Funding and Grant Support

Research funding: Dr Simms Stewart

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

PAPERS/POSTERS PRESENTED AT SCIENTIFIC MEETINGS

- Cathy Maddan, Santosh Kulkarni. Trends in Maternal Mortality at the UHWI A Ten Year review. Faculty of Medical Sciences Research Day.
- Cathy Maddan. Sexual Dysfunction in Women after Colposcopy at the UHWI. Faculty of Medical Sciences Research Day.
- Santosh Kulkarni & Suzet Boothe-Dalling Leroy Campbell: Partographic analysis of prostaglandin stimulated labour at UHWI and VJH. Faculty of Medical Sciences Research Day.
- Ian Bambury. Screening for Ovarian Cancer” ACOG West Indies Section Symposium, April 13, 2014
- Johnson N, Taylor-Christmas A, Chatrani V, Choo – Kang E, Smikle M, Wright-Pascoe R, Phillips K, Reid M. Obstetric Outcomes of an Afro-Caribbean Cohort Following Universal Screening and Treatment of Subclinical Hypothyroidism During Pregnancy. International Society of Obstetric Medicine. 2014. New Orleans (accepted)
- Johnson N, Chatrani V, Taylor-Christmas A, Choo – Kang E, Smikle M, Wright-Pascoe R, Phillips K, Reid M. Population Reference Values and Prevalence Rates Following Universal Screening for Subclinical Hypothyroidism During Pregnancy of an Afro-Caribbean Cohort. International Society of Obstetric Medicine Meeting. 2014. New Orleans (accepted).
- Wynter, S. “Ovarian Hyperstimulation Syndrome and other complications of Assisted Reproductive Technologies” ACOG West Indies Section Conference, Jamaica Pegasus, April 14, 2014.

INTERNATIONAL VISITORS TO THE DEPARTMENT

Prof. Akinyinka Omigbodun: Univ. of Ibadan, Nigeria. External examiner
May/June 2014

Dr Karolynn Echols – Urogynaecologist (November annually since
2009)

CONTRIBUTION TO UWI AND PUBLIC SERVICE

Dr. S Kulkarni

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

Dr Nadine Johnson

- Co-organizer of annual perinatal conference.

D. Simms Stewart

- Health Fair (Women Issues) – Andrews Adventist Church

S. Wynter

- Endometriosis awareness Lecture seminar to schools HWFMU
outreach collaboration with BASE Foundation – Denham Town
High
- Nationwide radio program on the topic of Endometriosis on Thursday
June 26 at 10:00. The radio host was Mr. Vernon Derby on his ‘At
Your Service’ program.

BOOKS & BOOK CHAPTERS

Book Chapters

- **Fletcher H.** “Uterine fibroids”, chapter 9 pages 129–132. *The New Textbook of Gynaecology*. Editors Bharat Bassaw and Horace Fletcher Published by The Multimedia Production Centre, School of Education, Faculty Humanities and Education St Augustine Trinidad 2013.

- **Fletcher H.** “Infections in Gynaecology”, chapter 11 pages 144–156 *The New Textbook of Gynaecology*. Editors Bharat Bassaw and Horace Fletcher Published by The Multimedia Production Centre, School of Education, Faculty Humanities and Education St Augustine Trinidad 2013.
- **Fletcher H.** “Diseases of the Vulva,” chapter 17 pages 226–236 *The New Textbook of Gynaecology*. Editors Bharat Bassaw and Horace Fletcher Published by The Multimedia Production Centre, School of Education, Faculty Humanities and Education St Augustine Trinidad 2013.

Books

- *The New Textbook of Gynaecology*. Editors Bharat Bassaw and Horace Fletcher. Published by The Multimedia Production Centre, School of Education, Faculty Humanities and Education St Augustine Trinidad 2013

PUBLICATIONS

- Fletcher, HM., Wharfe G., Williams N. P., Gordon-Strachan G. Johnson P. Renal impairment as a complication of uterine fibroids: A retrospective hospital-based study. *Journal of Obstetrics and Gynaecology*, 2013 May;33(4):394–8
- Fletcher H, Bambury I, Williams M. Post-coital posterior fornix perforation with peritonitis and haemoperitoneum. *Int J Surg Case Rep*. 2013;4(2):153–5.
- Simms-Stewart D, Hunter T, Fletcher, H, DaCosta V, Walters C, Reid M. Comparison of Ultrasonographic Estimated Fetal Weight and Actual Birth weight Performed by Residents in Training at the University Hospital of the West Indies. *West Indian Medical Journal* 2013 Dec;62(9):829–32
- D. Simms-Stewart, G. McDonald, H. Fletcher, M. Bromfield, N. Williams, I. Bambury, K. James. A review of molar pregnancy at the

University Hospital of the West Indies over a 16-Year period. *Journal of Obstetrics and Gynaecology*, 2013;33:298–300

- Fletcher, HM, Bennett F, Simms-Stewart D, Reid M, Williams NP, Wharfe G. Bone Mineral Density in Jamaican Black Women after Hysterectomy and Bilateral Oophorectomy: An Observational Study. *West Indian Medical Journal* 2013 Sep;62(7):593–8
- Brown D , Fletcher, H Use of mediolateral cervical clamping to control postpartum hemorrhage. *Int J Obstetrics and Gynecology*. 2013 November 123(2):164–5.
- Bambury I. HPV and HPV Vaccine Awareness. Where are we? *West Indian Medical Journal* 2013 Nov; 62(8):683–4.
- Bambury I, Mullings A, Fletcher, H, Johnson N, Tulloch-Reid M. Cervical Intraepithelial Neoplasia in a cohort of HIV-Positive women at The University Hospital of the West Indies: Management and Outcome. *West Indian Medical Journal* 2013 62:313–17.
- Vaillant, A. J.; Bazuaye, P.; McFarlane-Anderson, N.; Smikle, M. P.; Fletcher, H.; Akpaka, P. E. Association between ABO blood type and cervical dysplasia/carcinoma in Jamaican women. *British Journal of Medicine and Medical Research* 2013 Vol. 3 No. 4 pp. 2017–2021
- Shamir O Cawich, MBBS, DM; Santosh Kulkarni, MBBS, FRCOG; Michael Ramdass, MBBS, FRCS; Dale Hassranah, MBBS, FRCS; Ian Bambury, MBBS, DM; Loxley R Christie, MBBS, DM; Vijay Naraynsingh, MBBS, FRCS. An Audit of Clinician Compliance with Best Practice Recommendations to Repair Severe Obstetric Anal Sphincter Injuries. *The Permanente Journal Summer* 2014 vol 18 No. 3, 27–31.
- Jon F.R. Barrett, Mary E. Hannah, Eileen K. Hutton, Andrew R. Willan, Alexander C. Allen, B. Anthony Armson, Amiram Gafni, Joseph, Dalah Mason, Arne Ohlsson, Susan Ross, J. Johanna Sanchez and Elizabeth V. Asztalos, for the Twin Birth Study Collaborative Group* (Principal site investigator). A Randomized Trial of Planned

Cesarean or Vaginal Delivery for Twin Pregnancy. A Randomized Trial of Planned Cesarean or Vaginal Delivery for Twin Pregnancy. *N Engl J Med* 2013Oct(14); 369:1295–1305

- Windrim R, Robinson NT, Johnson N, Ryan G. Letter to the editor: Communications. Media and Invasive Perinatal Procedure Mentorship. *J Obstet Gynaecol Can.* 2013 Nov; 35(11):977–8.

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)