

DEPARTMENT OF OBSTETRICS, GYNAECOLOGY AND CHILD HEALTH

Professor Horace Fletcher BSC, MBBS, DM (O&G), FRCOG, FACOG – Head of Department

WORK OF THE DEPARTMENT



The main focus of the Department is to improve the health and welfare of families, in particular women and children in the region. This is done through clinical (service) work and academic (teaching and research). The Department comprises Obstetric and Gynaecological services (reproductive endocrinology, gynaecological oncology and perinatal services) as well as Child Health dealing with medical problems, neonatology and psychological disorders (development and behavioural Paediatrics). We teach medical students, postgraduate students (Doctorate Medicus Obstetrics/Gynaecology and Paediatrics) as well as supervise other post Graduate students MPhil and PhD. We also assist in the teaching of Midwives and nurses.

Child health

This Department is comprised of two medical wards and one neonatal intensive care unit. The main subspecialties are infectious diseases, psychological disorders (development and behavioural Paediatrics), cardiology, gastroenterology neonatology, nephrology, neurology, pulmonology and other medical conditions managed in conjunction with other specialties. Residents and medical students are taught and referrals are accepted from Jamaica and the rest of the Caribbean. The Section of Child Health successfully staged the academic conference Child Neurology for Practitioners May 1-2, 2004. This conference saw excellent presentations by a multidisciplinary faculty of esteemed experts from Jamaica and the United States. There were approximately 150 registrants including paediatricians, general practitioners, nurses physiotherapists, medical and nursing students

Minority International Research Training (MIRT) Programme

National Institutes of Health

The MIRT programme, jointly coordinated by Michigan State University (MSU) and the Section of Child Health, and funded by the NIH is now in its eighth year.

Obstetric Perinatal Service

The Perinatal service hosts an annual conference in February of each year run by Drs. Matadial, Kulkarni and Mullings. This service manages high risk obstetric cases and accepts referrals from the rest of the island as well as the rest of the British West Indies. The Unit also has facilities for teaching post graduate and medical students. Perinatal Audit for 2005, UWI, Mona, February 6-7, 2005 was attended by over 600 delegates. This was a joint effort between Obstetrics and Gynaecology and the

Neonatology group from Child Health with external review by practitioners from outside units. Special emphasis was placed on topics such as Genetic Counseling, Premature Birth and Neonatal Neurological Outcome.

Oncology Unit

This is run by three Consultants Professor Fletcher, Dr Rattray and Dr Mitchell. The Unit is also run By Sister Nash and her team of nurses as well as residents who rotate through on a monthly basis. The services offered are consultations for patients with gynaecological tumours, colposcopic diagnosis and treatment, and surgery for gynaecological tumours. The Unit also has facilities for teaching post graduate and medical students.

Sterility & Fertility

The members of the Sterility & Fertility firm and Fertility Management Unit resumed the In Vitro Fertilization and Embryo Transfer Programme for the treatment of infertile patients from Jamaica and the wider Caribbean. The programme was restructured to streamline and accommodate the treatment of infertile couples on a continuous basis. Professor Joseph Frederick is the director of the programme along with Drs. Shaun Wynter and Vernon DaCosta as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counsellors. Two new staff members joined the programme in Miss Denise Everett, a senior embryologist (Biologist) and Miss Hillary Walters, a staff Nurse as the coordinator of the programme. Since the resumption, the pregnancy rates have shown considerable improvement as we are also achieving pregnancies from the frozen embryos. A major break-through is that all the documents required for the registration of the drugs used in the programme have been submitted to the Pharmaceuticals and Regulatory Affairs in the Ministry of Health.

The Unit also undertakes operative and diagnostic laparoscopy, contraception and sterilisation advice and management. Counseling in family planning and family life is also offered.

STAFF

Academic Achievements

Professor Horace Fletcher has been elevated to a chair in Obstetrics and Gynaecology and this promotion has been timely as it coincides with him being confirmed as head of the department.

PAPERS PRESENTED:

- . • **Antoine M**, The limits of resuscitation-the paediatrician's dilemma. Department of Obstetrics and Gynaecology and Child Health UWI, perinatal conference 2005
- . • **Christie CD**. A pediatric and perinatal HIV/AIDS Leadership Initiative in Kingston, Jamaica – summary of year two's results. Elizabeth Glaser Pediatric AIDS Foundation, ANNUAL THINK TANK, White Oak, Florida, November, 2004.
- . • **Christie CD**. "A perspective from the field: the value of collaborative research partnerships", World AIDS Day luncheon, co-sponsored by the Elizabeth Glaser Pediatric AIDS and Pfizer Foundations. Capitol Hill, Washington DC, Dec 1, 2004.
- . • Vesikari T, Matson D, Van Damme P, Heyse J[†], Dallas M, Goveia M, Black S.

Shinefield H, **Christie C**, Rodriguez Z, Boslego J, Dennehy P, Marshall G, Gothefors L, Miller J, Campens D and Heaton P., for the rest (Protocol 006) Study Team. Incidence of Intussusception with the Pentavalent (Human-Bovine) Reassortant Rotavirus Vaccine (PRV) is Similar to Placebo. Adverse events after Vaccination. European Society of Pediatric Infectious Diseases (*ESPID*), May 20, 2005, platform presentation and abstract.

. • **Christie CDC, Steel-Duncan J**, Palmer P, **Pierre R**, Harvey K, **Johnson N**, Anderson M, Billings C, Evans-Gilbert T, Rodriguez B, McDonald C, Moore J, Smikle M, Williams E, Whorms S, **Mullings A**, McDonald D, Alexander G, Onyonyor O, Morgan O, Hylton-Kong T, Harris M, Figueroa JP. Efficacy of prevention of mother-to-child-transmission of HIV with perinatal AZT in a nonbreastfeeding population from 42 antenatal clinics in Greater Kingston, Jamaica. 3rd International AIDS Society Conference on HIV Pathogenesis and Treatment, Rio de Janeiro, Brazil, 24-27 July, 2005, poster presentation, abstract # TuPe5.2P07.

. • **Christie CD**. Immunization update. Ena Thomas Memorial Symposium, Kingston, Jamaica. 20 November, 2005.

. • **Christie CD**. “Highly Active Antiretroviral drugs in Pregnancy (HAART): Prevention of Mother to child transmission of HIV/AIDS”. Medical Association of Jamaica Symposium. Plenary speaker. Kingston, Jamaica. June 3, 2005.

. • **Christie CD**. HIV/AIDS in children. Ministry of Health, Annual Workshop in HIV/AIDS. Kingston, Jamaica. 1 July, 2005.

. • **DaCosta V**. “Gene therapy in utero” Medical Association of Jamaica Symposium 2005-First world medicine for Jamaica, Jamaica Pegasus Hotel June 2-5 2005

. • **Dacosta V**. Pelvic floor damage at hysterectomy, American College of Obstetricians and Gynecologists District IV symposium, Eden Gardens Hotel Kingston Jamaica 16th April 2005

. • N Levy, N McFarlane-Anderson, G Bramwell, A Wierenga, **Fletcher H** 2004. Pre-Eclampsia in Jamaica Women: Blood Pressure Nitric Oxide Status, Polymorphisms in the Nitric Oxide Synthase Gene and their Relationship to Pregnancy Outcome, Faculty Medicine Annual Research Conference Mona UWI

. • **Simms-Stewart D, Fletcher H, Mitchell S**, Walters E, Reid M, Bennett F. 2004. Low Bone Mineral Density in an Afro-Caribbean Jamaican Population and the Associated Risk Factors. Faculty Medicine Annual Research Conference Mona UWI

. • PE Bazuaye, **Fletcher H**, M Smikle, M Jackson, N McFarlane-Anderson 2004. The association between Tumour Necrosis Factor (TNF) – 308 Polymorphism with Cervical Dysplasia in Jamaican Women, Faculty Medicine Annual Research Conference Mona UWI

. • GG Bramwell, N Levy, A Wierenga, M Jackson, J Rodriguez-Orengo, **Fletcher H**, N McFarlane-Anderson 2004. Plasma homocysteine levels, folate intake and polymorphisms in the methylenetetrahydrofolate reductase (MTHFR) gene in Jamaican women, Faculty Medicine Annual Research Conference Mona UWI

. • **Simms-Stewart D, Dacosta V, Fletcher H** and Reid M 2004. Comparison between actual birth weight, ultrasonographic fetal weight and effect of level of experience on accuracy of measurement, Faculty Medicine Annual Research Conference Mona UWI

. • T Potter, **Fletcher H**, M Vutchkov, GC Lalor 2004. Mercury concentration in the placenta of parturients at the University Hospital of the West Indies, Faculty Medicine Annual Research Conference Mona UWI

. • Garwood D, Bazuaye P, **Fletcher H**, Trueba G, McFarlane-Anderson N, 2005. Oxidative stress and antioxidant status in

170 171

women with cervical dysplasia. Caribbean Health Research Conference Tobago.

. • Bazuaye P, **Fletcher H**, Smikle M. McFarlane-Anderson N 2005. Class 1 HLA-A-B

haplotypes and tumour necrosis factor (TNF- α)-308 polymorphism and cervical dysplasia. Caribbean Health Research Conference Tobago.

. • Gossell-Williams M, **Fletcher H**, McFarlane-Anderson N, Jacob A, Patel J Zeisel S. 2005. Free plasma choline concentrations during the first to second trimester of pregnancy in Jamaican women; implications of inadequate dietary intake. Caribbean Health Research Conference Tobago.

. • **Harrison A**, Paediatric First Aid workshop, Early Childhood Commission workshop “quality early childhood service delivery within a legal framework”

. • L. Lord, **Kulkarni S**, A. Mccaw-Binns, “Why Mothers Die” A 5-year review of maternal deaths at the UHWI 2000-2004. Annual Research Day, FMS UWI, November 17 -18, 2004, UWI, Mona.

. • D. Wissart, Prof. O. Parshad, **Kulkarni S**, Thyroid function and Post-partum depression, Annual Research Day, FMS UWI, November 17-18, 2004, UWI, Mona

4. L. Samuels, **V. Dacosta** and **Kulkarni S**, Megacystitis in-utero, th

treatment by vesico-centesis, Annual Perinatal Conference, Department of Obstetrics, Gynaecology and Child Health, UWI, Mona, February 11 -13, 2005

. • **Millard D**. Update on Rheumatic Fever – WHO Guidelines. Cardiology Conference Room, UHWI. June 17, 2005.

. • **Johnson N**. Gynecological Manifestations and the Management of HIV. Building Bridges Conference – United States Embassy. October 2004

. • **Johnson N**. Postpartum Seizures in HIV/AIDS. Clinico-Pathological Conference. December 2004

. • **Johnson N**. Emergency Department Management of Vaginal Bleeding in the Non-Pregnant Patient. Jamaica Emergency Medicine Association Symposium. March 2005

. • **Johnson N**. Medical treatment of Uterine Fibroids Caribbean Woman symposium on uterine fibroids 2005

. • **Johnson N**. Preterm Labour. What’s New? Medical Association of Jamaica 15th Symposium. June 2005

. • **Pierre R**, Branday JM, Wierenga A, **Pottinger A**. “Students’ perception of the ‘educational climate’ at the Faculty of Medical Sciences, Mona”. Poster presentation FMS 13th Annual Research Conference, November 11, 2004, Kingston Jamaica.

. • **Pierre RB**, Swaby P, Sue-Ho R, Walters C. “Impact of a lifestyle risk intervention in high school students in Jamaica”. Poster presentation at the Caribbean Health Research Council, 50th Annual Council and Scientific Meeting, April 20 -23, 2005, Tobago.

. • **Pottinger AM**, Mckenzie C, **Frederick J**, **DaCosta V**, **Wynter S**, Everett D, Walters Y. “Gender differences in coping response and beliefs about infertility between Afro-Caribbean men and women”; Caribbean Health Research Conference, 50th Annual Scientific Conference, Rovanel’s Resort, Tobago. April 21 -23, 2005 (14 pages).”

. • Jackson MA, **Samms-Vaughan ME**, Ashley DC. “Psychosocial, cognitive and socio-demographic factors associated with under-and overweight among 11-12 year old Jamaican children.” Caribbean Health Research Council 50th Annual Council Scientific Meeting. Tobago, West Indies. April, 2005.

. • **Samms-Vaughan, ME**. “Early Childhood Development : An Investment in Breaking The Cycle of Poverty. PIOJ Seminar on Intergenerational Transmission of Poverty.” Jamaica Conference Centre. April, 2005.

. • **Samms-Vaughan, ME**. “Early Childhood Development. What do we know and what are we doing?” Paediatric Association of Jamaica 15th Biennial Conference, Jamaica Conference Centre, March 2005.

- **Samms-Vaughan, ME.** “ADHD: The Jamaican Experience.” Janssen-Cilag Conference. Knutsford Court Hotel, Kingston Jamaica. March 2005
- **Samms-Vaughan ME.** “Aggression and Exposure to Violence in Jamaican Children. Caribbean Psychiatry Conference.” Jamaica Conference Centre. November 2004.
- **Samms-Vaughan ME.** “Impact of Violence on Children’s Behaviour.” 13th Annual Research Conference and Workshop. Faculty of Medical Sciences, UWI, Mona Campus. November 2004.
- **Samms-Vaughan ME,** Milbourn P. “Behaviour and Emotional Disorders in Jamaican Children.” UNICEF Conference on Design of a System for Screening, Referral and Early Intervention for Children at Risk in Jamaica. Jamaica Conference Centre. November 2004.
- **Samms-Vaughan ME,** Ashley D, McCaw-Binns A, Jackson

172 173

M, Atkinson U. “The Jamaican Birth Cohort Studies: rd

Methodology and Uses.” The Conference on Epidemiological Longitudinal Studies in Europe, Bristol, UK. September 2004.

- **Samms-Vaughan ME,** Atkinson U, Jackson M, Ashley D. th

“Jamaican Adolescents Romantic Relationships.” International Conference on Adolescent Health and Welfare and World Youth Forum. UWI Mona Campus. August 2004

- **Thame K,** Paediatric Association of Jamaica Outreach Symposium Whispering Bamboo Restaurant, St. Thomas “Acute Gastroenteritis”
- **Thame K,** June 23, 2005 Paediatric Association of Jamaica Symposium, Terra Nova Hotel “Nutritional Issues for the Chronically Ill Child”
- **Thame K,** June 23, 2005 Paediatric Association of Jamaica Symposium, Terra Nova Hotel “Issues in Infant Feeding”
- **Thame M,** ToRCH Infections Seminar for Midwives Conference Centre Kingston 2004. Body Composition in pregnancies of adolescent girls and mature women and the impact on fetal growth and birth weight Caribbean Health Research Council 50th Annual Scientific Meeting Tobago April 2005
- **Thame M,** Pregnancy Performance in Homozygous Sickle Cell Disease at the University Hospital of the West Indies

174

Jamaica Association of Health Services Executives. March 2005

- **Thame M,** The Jamaican Fetus 4th Perinatal Conference, University of the West Indies, Mona February 2005
- **Thame M, Trotman H, Fletcher H, Antoine M.** Body composition between pregnancies of adolescent girls and mature women and the impact on fetal growth and birth weight. Caribbean Health Research Council 50th Annual Council and Scientific Meetings, Tobago. April 2005.
- **Trotman H,** Ward E, McCaw-Binns A. Non-fatal, unintentional injuries in children in six parishes in Jamaica. Caribbean Health Research Council 50th Annual Council and Scientific Meetings, Tobago. April 2005.
- **Trotman H,** Bell Y. Neonatal group B streptococcal infection at the University Hospital of the West Indies: a ten-year experience. FMS 13th Annual Research Conference November 2004.
- Young J, **Barton M,** Richards-Dawson MA, **Trotman H.** Knowledge, perception and practice of healthcare workers toward pain in neonates at tertiary level hospitals in Kingston,

PUBLICATIONS

Refereed:

WIMJ = West Indian Medical Journal

- * **Christie CDC.** A Paediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston, Jamaica. *WIMJ*, 2004: 53; 5: 283 -292.
- .* **Johnson N, Mullings A,** Harvey K, Alexander G, McDonald D, Smikle M, Williams E, Palmer P, Whorms S, Figueroa PS, **Christie CDC.** HIV Sero-prevalence, Uptake of Interventions to Reduce Mother to Child Transmission and Birth Outcomes in Greater Kingston, Jamaica. *WIMJ*, 2004: 53; 5: 297 -302.
- .* Rodriguez B, **Steel-Duncan JC, Pierre R,** Evans-Gilbert T, Hambleton I, Palmer P, Figueroa JP, **Christie CDC.** Sociodemographic factors of HIV-exposed and HIV-infected Jamaican children. *WIMJ*, 2004: 53; 5: 303 -307.
- .* **Steele-Duncan J, Pierre R,** Evans-Gilbert T, Rodriguez B, Smikle M, Palmer P, Whorms S, Hambleton I, Figueroa JP, **Christie CDC.** Uptake of Interventions, Outcomes and Challenges in caring for HIV-exposed infants in Kingston, Jamaica. *WIMJ*, 2004: 53; 5: 308 -314.
- .* **Pierre R, Steel-Duncan J,** Evans-Gilbert T, Rodriguez B, Palmer P, Smikle M, Whorms S, Hambleton I, Figueroa JP, **Christie CDC.** CDC-defined Diseases and Opportunistic Infections in Jamaican children with HIV/AIDS. *WIMJ*, 2004: 53; 5: 315 -321.
- .* Evans-Gilbert T, **Pierre R., Steel-Duncan J.,** Rodriguez B., Whorms S., Palmer P, Figueroa JP., **Christie CDC.** Anti-retroviral Drug Therapy in HIV-infected Jamaican Children. *WIMJ*, 2004: 53; 5: 322 -326.
- .* Palmer P, Anderson-Allen MM, Billings CC, Moore J.T., McDonald-Kerr C., **Steel-Duncan JC, Christie CDC.** Nursing Interventions in the Kingston Pediatric and Perinatal HIV/AIDS Program. *WIMJ*, 2004: 53; 5: 327-331.
- .* Walker E, Mayes B, Ramsay H, Hewitt H, Bain B, **Christie CDC.** Socio-demographic and Clinical Characteristics of Jamaican Adolescents with HIV/AIDS. *WIMJ*, 2004: 53; 5: 332 -338.
- .* Geoghagen M, Farr JA, Hambleton I, **Pierre R, Christie CDC.** HIV and TB Co-infections in Jamaican Children. *WIMJ*, 2004: 53; 5: 339 -345.
- .* Geoghagen M, **Pierre R,** Evans-Gilbert T, Rodriguez B, **Christie CDC.** TB, Scabies and Chicken pox Outbreaks in an Orphanage for Children with HIV/AIDS in Jamaica. *WIMJ*, 2004: 53; 5: 346 -351.
- .* **Steel-Duncan JC, Pierre R.,** Evans-Gilbert T., Rodriguez B., **Christie CDC.** HIV/AIDS Following Sexual Assault in Jamaican Children and Adolescents – A Case for Post

176

Exposure Prophylaxis for HIV. *WIMJ*, 2004: 53; 5: 352 355.

- .* **Steel-Duncan J., Pierre R., Gabay L., Christie CDC.** Nevirapine-associated rash in a Jamaican child. *WIMJ*, 2004: 53; 5: 356 -358.
- .* **Christie CDC.** A Celebration of Academic Excellence in Pediatrics in Honor of Professor Richard Olmsted. *WIMJ*, 2004: 53; 5: 363 -365.
- .* **Pierre RB,** Wierenga A, **Barton-Forbes M,** Branday JM., **Christie CDC.** Student evaluation of an OSCE in Paediatrics at the University of the West Indies, Jamaica. *Biomed Central Med Ed*, 2004; 4: 22;
- .* **Pierre R,** Wierenga A., **Barton M., Thame K,** Branday M., **Christie CD.** Student self-assessment in a pediatric Objective Structured Clinical Examination. *WIMJ*, 2005 Mar; 54(2): 144 -8.

- .* Vesikari T, Matson DO, Van Damme P, Heyse JF, Dallas MJ, Goveia MG, Black SB, Shinefield HR, **Christie CDC**, Santosham M, Rodriguez Z, Ylitalo S, Dennehy P, Marshall GS, Gothefors L, Clark HF, Onorato MT, Campens D, Boslego JW, Offit PA, Heaton PM For the REST (Protocol 006) Study Team. No Increase in Intussusception Risk Among Infants Receiving a Pentavalent Human-Bovine Reassortant Rotavirus Vaccine, *New England Journal of Medicine*, July 5, 2005.
- .* **Pottinger, A** & Nelson, K. “A climate of punishment in Jamaican classrooms: attitudes, beliefs and use of disciplinary practices by educators”; *Caribbean Journal of Psychology*, 1, (1) (2004) 22 - 33.
- .* **Pottinger AM**. “Disrupted care-giving relationships and emotional well-being in school-age children living in inner city communities”; *Caribbean Childhoods: From Research to Action*, 2, (2005) 38 - 57.
- .* Rodriguez B, Steel-Duncan JC, **Pierre R**, Evans-Gilbert T, Hambleton I, Palmer P, Figueroa JP, Christie CDC.

177

- “Socio-demographic factors of HIV-exposed and HIV-infected Jamaican children”. *WIMJ* 2004; 53: 303 -7.
- * **R Pierre**, DH Ramsay, M Loudon. “HIV/AIDS and affected Jamaican children – a vulnerable generation”.
Caribbean childhoods: from research to action: Journal of the Children’s Issues Coalition, the UWI. Vol. 2, pp 82 -99, 2005.
- .* **Thame M**, Osmond C, R Wilks, F Bennett, Forrester T. Fetal Growth is directly related to maternal anthropometry and placental volume. *Eur J Clin Nutr*. 2004; 58(6): 894
- .* Serjeant GR, Look Loy L, Crowther M, Hambleton IR, **Thame M**. Outcome of pregnancy in homozygous sickle cell disease: Observations from the Jamaican Cohort Study. *Obstet Gynecol* 2004;103(6):1278
- .* **Thame M**, Franklin L, Young J, Hall C, Saunders GL, Williams NP. An Unusual Presentation of Group B Streptococcal Sepsis. *WIMJ*, 2004; 53(6): 367 -438.
- .* Nichols S, Boyne M, **Thame M**, Osmond C, Wilks R Bennett F, McFarlane-Anderson Young R, Forrester T. Cold induced elevation of forearm vascular resistance is inversely related to birth weight. *J Hum Hypertens*. 2005; 19(4): 309 -14.
- .* Phillips D, Bennett F, Wilks R, **Thame M**, Boyne M, Osmond C, Forrester T. Maternal Body Composition, Offspring Blood Pressure and the Hypothalamic-Pituitary-Adrenal Axis. *Paediatr Perinat Epidemiol*. 2005; 19(4): 294 -302.
- .* Serjeant GR, Hambleton I.R , **Thame M**. Fecundity and pregnancy outcome in sickle cell-haemoglobin C (SC) disease: Observations from a cohort study, *Brit Jour Obstet Gynaecol* 2005;112(9):1308 -14
- .* **Samms-Vaughan ME**, Jackson MA, Ashley DC. Urban Jamaican children’s exposure to community violence. *WIMJ* 2005; 54(1):14 -21
- .* **Samms-Vaughan ME**, Williams S, Brown J. Disciplinary practices among parents of six year olds in Jamaica. *Journal of the Children’s Issues Coalition* 2005; 1:58 -70.
- .* Brooks K, **Samms-Vaughan ME**, Karmaus W. Are oral contraceptive use and pregnancy complications risk factors for atopic disorders among offspring? *Pediatric Allergy and Immunology* 2004; 15 (6): 487 -496.
- * Beardslee WR, Bedregal P, Belfer ML, Carlson M, Duarte C, Earls F, Herrera LD, Hoven CW, Mercer R, Miranda C, Molina H, Perrin J, **Samms-Vaughan ME**. Fostering Child Well-Being. *Revista: Harvard Review of Latin America*. Publication of the David Rockefeller Centre for Latin American Studies, Harvard University. Winter 2004; 24

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- .* **Trotman H**, Lord C, **Barton M**, **Antoine M**. Hyponatremic Dehydration in Jamaican Breast-fed Neonates: an eleven year review in a baby friendly hospital. *Ann Trop Paediatr* 2004; 24: 295 -30
- .* Duncan ND, Brown B, Dundas SE, Wierenga K, **Kulkarni S**, Pinnock-Ramsaran C, Abel C “Minimal intervention management” for gastroschisis: a preliminary report. *WIMJ*. 2005; 54:152 -4.
- .* Painless Depo-provera injections using the pinch technique. **Fletcher H J** *Obstet and Gynaecol* 2004 24: 565 -566
- .* Correlation between transvaginal ultrasound measured endometrial thickness and histopathological findings in black women with postmenopausal bleeding. Phillip H, **DaCosta V**, **Fletcher H** and **Kulkarni S**. *J Obstet and Gynaecol* 2004; 24: 568 -572

178

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- * **Pottinger A**. (2004). “On bereavement counselling”. Development: Journal for Ministry and Mission, 1, (2) 21
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- .* Mitchell S. Female infertility. Health Home & Garden magazine Editor Wint F 2005; 5: 58

Abstracts:

- * **Christie CD**. A pediatric and perinatal HIV/AIDS Leadership Initiative in Kingston Jamaica – summary of year two’s results. Elizabeth Glaser Pediatric AIDS Foundation, Annual Think Tank, White Oak, Florida, November, 2004.
- .* **Christie CD**. “A perspective from the field: the value of collaborative research partnerships”, Dec 1, 2004.
- .* Vesikari T, Matson D, Van Damme P, Heyse J⁴, Dallas M, Goveia M, Black S, Shinefield H, **Christie C**, Rodriguez Z, Boslego J, Dennehy P, Marshall G, Gothefors L, Miller J, Campens D and Heaton P., for the rest (Protocol 006) Study Team. Incidence of Intussusception with the Pentavalent (Human-Bovine) Reassortant Rotavirus Vaccine (PRV) is Similar to Placebo. Adverse events after vaccination. *European Society of Pediatric Infectious Diseases (ESPID)*, May 20, 2005, platform presentation and abstract.
- .* **Christie CDC**, Steel-Duncan J, Palmer P, Pierre R, Harvey K, Johnson N, Anderson M, Billings C, Evans-Gilbert T, Rodriguez B, McDonald C, Moore J, Smikle M, Williams E, Whorms S, Mullings A, McDonald D, Alexander G, Onyonyor O, Morgan O, Hylton-Kong T, Harris M, Figueroa JP. Efficacy of prevention of mother-to-child-transmission of HIV with perinatal AZT in a nonbreastfeeding population from 42 antenatal clinics in Greater Kingston, Jamaica. 3rd International AIDS Society Conference on HIV Pathogenesis and Treatment, Rio de Janeiro, Brazil, 24 -27 July, 2005, poster presentation, abstract # TuPe5.2P07.
- .* Pre-Eclampsia in Jamaica Women: Blood Pressure Nitric Oxide Status, Polymorphisms in the Nitric Oxide Synthase Gene and their Relationship to Pregnancy Outcome. N Levy, N McFarlane-Anderson, G Bramwell, A Wierenga, **Fletcher H** *WIMJ*, (Supp 5) 2004; 53:13
- .* Low Bone Mineral Density in an Afro-Caribbean Jamaican Population and the Associated Risk Factors. **Simms-Stewart D**, **Fletcher H**, **Mitchell S**, Walters E, Reid M, Bennett F. *WIMJ*, (Supp 5) 2004; 53:14
- .* The association between Tumour Necrosis Factor (TNF) –308 Polymorphism with Cervical Dysplasia in Jamaican

Women Bazuaye PE, **Fletcher H**, Smikle M, Jackson M, McFarlane-Anderson N. *WIMJ*, (Supp 1) 2004; 53:14

- .* Plasma homocysteine levels, folate intake and polymorphisms in the methylenetetrahydrofolate reductase (MTHFR) gene in Jamaican women. Bramwell GC, Levy N, Wierenga A, Jackson M, Rodriguez-Orengo J, **Fletcher H**, McFarlane-Anderson N. *WIMJ*, (Supp 5) 2004; 53:25
- .* Comparison between actual birth weight, ultrasonographic fetal weight and effect of level of experience on accuracy of measurement. **Simms-Stewart D, Dacosta V, Fletcher H** and Reid M *WIMJ*, (Supp 5) 2004; 53:31
- .* Mercury concentration in the placenta of parturients at the University Hospital of the West Indies. Potter T, **Fletcher H**, Vutchkov M, Lalor GC. *WIMJ*, (Supp 5) 2004; 53:32
- .* Body Composition between pregnancies of adolescent girls and mature women and the impact on fetal growth and birth weight. **Thame M, Trotman H, Fletcher H, Antoine M.** *WIMJ*, Supp 2) 2005; 54:37
- .* Oxidative stress and antioxidant status in women with cervical dysplasia. Garwood D, Bazuaye P, **Fletcher H**, Trueba G, McFarlane-Anderson N, *WIMJ*, (Supp 2) 2005; 54:72
- .* Class 1 HLA-A-B haplotypes and tumour necrosis factor (TNF- α)-308 polymorphism and cervical dysplasia. Bazuaye P, **Fletcher H**, Smikle M. McFarlane-Anderson N *WIMJ*, (Supp 2) 2005; 54:72
- .* Free plasma choline concentrations during the first to second trimester of pregnancy in Jamaican women; implications of inadequate dietary intake. Gossell-Williams M, **Fletcher H**, McFarlane-Anderson N, Jacob A, Patel J Zeisel S. *WIMJ*, (Supp 2) 2005; 54:74

BOOK CHAPTERS

Publications -Books and Monographs:

- * Brown-Tomlinson J, Harvey K, **Christie CDC**, Figueroa P. Clinical Management of HIV Disease: *Jamaican Guidelines for Health Care Providers*. Ministry of Health, national HIV/AIDS Prevention and Control Program, 2004.
- .* Abdominal Myomectomy revisited. **Fletcher H** and **Fredrick J**. *Progress in Obstetrics and Gynaecology* Vol 16, Editor John Studd 2005 Ch 17 P277-286 Churchill Livingstone Edinburgh London New York Philadelphia Sydney Toronto
- .* **Samms-Vaughan, ME**. *The Jamaican Pre-School Child: The Status of Early Childhood Development in Jamaica*. Planning Institute of Jamaica. 2005.
- .* **Samms-Vaughan M.E**. Child Mortality. In: Caribbean Regional Report on the Implementation of the Millenium Development Goals (MDG's). Prepared for the United Nations Development Programme (UNDP). Benn D (editor), Bailey B, Bain B, Clayton A, McCaw-Binns A, Miller E, Samms-Vaughan M, Witter M. University of the West Indies, Mona, 2004.

Technical Reports

- .* **Kulkarni S**. Training and Implementation in the use of the WHO partograph November 2004 – March 2005 EC/ UNFPA/MOH Jamaica.
- .* **Millard D**. Consultant, WHO Technical Report Series 923, Geneva 2004. World Health Organisation.

- .* **Pierre R.B.** Adolescent HIV/AIDS Prevention Maze: Analysis of Lifestyle Risk Intervention for the Adolescent HIV/AIDS Education Project funded by Global Fund for AIDS Tuberculosis and Malaria; for HOPE *worldwide* Jamaica, May 2005.
- .* **Samms-Vaughan M.E.** An analysis of Jamaican Children outside the traditional school system. Prepared for the Inter-American Development Bank. 2004.
- .* **Samms-Vaughan, M.E.** An analysis of urban Jamaican children's exposure to corporal punishment at 11-12 years. Prepared for the Pan American Health Organisation. 2004.

CURRICULUM MATERIAL:

- .* **Samms-Vaughan ME, Barton M** (ed.). A Study Guide in Paediatrics (Stage II). CD-ROM.(2005)
- .* **Kulkarni S.** Special skills module (SSM) for MBBS year 3 students. Fetal Medicine-growth and development

AWARDS and HONOURS:

Professor Horace Fletcher

Recipient of award "Best Researcher for the Faculty of Medical Sciences", UWI Awards Ceremony (In Recognition of Outstanding Researchers) 2005

Dr Maureen Samms-Vaughan

Recipient of award for best publication for the Faculty of Medical Sciences (Paper entitled "Nutritional Status of 11-12 year old Jamaican children: Coexistence of under and over-nutrition" UWI Awards Ceremony (In Recognition of Outstanding Researchers) 2004

Dr Helen Trotman-Edwards

Young J, Barton M, Richards-Dawson MA, **Trotman H.** FMS 13th Annual Research Conference November 2004. (Oral) Joint winner of the Paediatric Association of Jamaica Prize for best Paediatric presentation.

INCOME

GENERATION

Research Grants:

Professor Celia Christie

Figueroa P, (Principal Investigator); **Christie CDC** (Senior Co-Investigator – Pediatrics/Perinatal HIV/AIDS) "HIV/AIDS Clinical Trials in Jamaica" NIH contract: RFA-A1-05-002, submitted July 2005

Grant amount – **US\$3,791,131.00**

Christie CDC (Principal Investigator)

"Mega-trial of Safety and Efficacy of Pentavalent (G1, G2, G3, G4, and P1) Human Reassortant Rotavirus Vaccine in Healthy Infants", Merck and Co., USA.

Grant amount – **US\$1,861,020.00**

Christie CDC (Principal Investigator) 2002 – 2006

“Pediatric HIV/AIDS Leadership Initiative in Kingston, Jamaica” International Leadership Award, Elizabeth Glaser Pediatric AIDS Foundation.

Grant amount – **US\$ 472,500.00**

Christie CDC (Principal Investigator) 2003 -2006

“Pediatric HIV/AIDS Outreach Clinics in Jamaica”. Embassy of Jamaica, Washington, DC, 2003

Grant amount – **US\$ 4,855.28**

Professor Horace Fletcher

2005 \$10,909.51 US (\$338,195.00 Jamaican dollars per year) Research Grant from PAHO to Population Council/Ministry Health/UWI for the study Emergency Contraception Provider Knowledge Attitude and Practices in the Caribbean (Co-investigator)

P.I.: M Gossell Williams, Co-Investigators: M. Samms-Vaughan, **H Fletcher**

Source : Gerber Baby Foods & University of North Carolina

Title: Choline and neuro-development in humans

Grant Period: 1/1/05 -30/6/08 Annual direct costs: **US\$ 155,000.00 Dr S Kulkarni**

\$50,000 USD Grant from **UNFPA and Ministry of Health** Training in the use of the WHO partograph. (Principal investigator).

Dr M Samms-Vaughan

P.I.: R. Wilks, Co-Investigators: D. Ashley, F. Bennett, T Ferguson, T Forrester, M. Jackson, J.Knight-Madden, **M. Samms-Vaughan**, K. Vaughan, N. Younger

Source : National Health Fund, CHASE Fund, Caribbean

Cardiac Society, Caribbean Health Research Council, UHWI Title: The impact of early-life experiences on cardio-vascular risk in Jamaica

Grant Period: 1/1/05 -30/6/06

Annual direct costs: **J\$ 14,000,000.00 P.I.: M. Samms-Vaughan**

Source : UNICEF

Title: The evaluation of a community based parenting programme in Jamaica Grant Period: 1/1/05 -30/6/06

Annual direct costs: Phase I **J\$ 1,775,250.00**

P.I.: M Gossell Williams, Co-Investigators: **M. Samms-Vaughan**, H Fletcher

Source : Gerber Baby Foods & University of North Carolina

Title: Choline and neuro-development in humans

Grant Period: 1/1/05 -30/6/08

Annual direct costs: **US\$ 155,000.00 P.I.: M. Samms-Vaughan**

Source : Dudley Grant Memorial Trust (through EFJ), World Bank

Title: A proposal for the review and selection and/or development of instruments to assess the physical, cognitive and emotional development of children 0-6 years, including those with special needs.

Grant Period: 1/2/04 -31/1/06

Annual direct costs: Phase I **J\$ 2,500,000.00**

P.I.: M. Samms-Vaughan

Source : Environmental Foundation of Jamaica Title: The identification of an appropriate screening tool for

the early detection of developmental disorders in Jamaican children birth to 3 years. Grant

Period: 1/2/04 -31/1/05 Annual direct costs: **J\$ 3,500,000.00**

P.I.: E. Le Franc. PI Jamaican Site: M. Samms-Vaughan

Source : Wellcome Trust

Title: Migration, Family Structures and Morbidity from External Causes Grant Period: 1/1/04 -30/6/06 Annual direct costs (Jamaican Site): **US\$ 338,130.00**

P.I.: M. Lambert, Co-Investigators M. Samms-Vaughan,

F. Hickling

Source : Michigan State University Grant

Title: Measuring the co-morbidity of substance abuse, violence, psychopathology, help-seeking behaviour and attitudes towards substance abuse, violence, mental illness and the afflicted:

Grant Period: 1/1/03 -30/6/06

Annual direct costs (Jamaican Site): **J\$ 720,000.00**

P.I.: Children's Issues Coalition, UWI . Founding Members: Prof.

E. Leo-Rhynie, Prof. S.Walker, Dr. M. Samms-Vaughan, Dr. Rose Davies, Dr. J. Meeks-Gardner, Mrs. Janet Brown, Mrs. Sian William

Source : UNICEF and The Environmental

Foundation of Jamaica Title: Development of a regional Children's Journal and regional database on children's issues Grant Period: 1/1/02 -31/12/05 Annual direct costs: **US**

\$15,000.00 and J\$2,286,387.00

PUBLIC SERVICE Dr M. Antoine

– Coordinator, Paediatric Association of Jamaica fifteenth Biennial International Paediatric Conference-March 2005.

Prof Celia Christie

- .- Fellow, Infectious Diseases Society of America
- .- Member, Pediatric Infectious Diseases Society of America
- .- Member, HIV Medicine Association of America, Founding
- .- Member, International Association of Physicians in HIV/AIDS Care
- .- Board Member, Bank of Nova Scotia Jamaica Limited and Bank of Nova Scotia Jamaica Life Insurance Company Ltd, Non-Executive
- .- Member, Private Sector Organization of Jamaica, Corporate Governance Committee
- .- Member of the abstract reviewers, 3rd International AIDS Society on HIV pathogenesis and treatment, Rio de Janeiro, Brazil, July, 2005

Dr Abigail Harrison

- .- Vice President, Paediatric association of Jamaica
- .- Chairman, serious cases review panel, Child Development Agency
- .- Member, National Infant and Young Child feeding Committee
- .- Member Church Committee St Jude's Anglican Church

Dr Doreen Millard

- .- Chairman, Adoption Board
- .- Chairman, Bustamante Hospital for Children Management Committee
- .- Chairman, Regional Technical Subcommittee of SERHA
- .- Member, South East Region Health Authority
- .- Adviser, Ministry of Health Rheumatic Fever / Rheumatic Heart Disease Prevention Programme
- .- Member, Advisory Board of the Child Development Agency

Professor Horace Fletcher

- Chairman, West Indies Section American College of Obstetricians and Gynecologists

Professor Joseph Frederick

- .- Member, Grabham Society (Jamaican Association of Obstetricians and Gynaecologists)
- .- Member, Pacesetters Toast Masters Club.

Dr S Kulkarni

- Member, Maternal Mortality Committee, MOH, Jamaica

Dr. Sharmaine Mitchell

- .- Examiner, Caribbean Medical Council
- .- Author, "Women's Health Issues" column for the weekly "Health, Home and Garden" Magazine.
- .- Gynaecologist, Grants Pen and Stella Maris Foundation Outreach Programme

Dr Doreen Millard

- .- Member, Medical Association of Jamaica
- .- Member, Paediatric Association of Jamaica

Dr. Audrey Pottinger

- .- Board Member, Child Development Agency Advisory Board, Ministry of Health
- .- Member, Steering Committee, Disaster Mental Health Team, Jamaica Red Cross
- .- Chairperson, Child Development Division, Jamaican Psychological Society (2003 -present)

Dr Maureen Samms-Vaughan

- .- Member, National Council on Education, Jamaica
- .- Chairman, Policy Research Committee, National Council on Education, Jamaica
- .- Member, Advisory Board to the National Education Transformation Team
- .- Member, Early Childhood Committee, Anglican Diocese
- .- Member, Research Committee, Society for Developmental and Behavioural Pediatrics, USA
- .- Consulting Editor, Caribbean Journal of Psychology
- .- Reviewer for Journals, Paediatric and Perinatal Epidemiology West Indian Medical Journal of the Children's Issues Coalition
- .- Executive Chairman, National Early Childhood Commission of Jamaica

CATEGORIES OF STUDENTS:

Child Health

Categories of Students

Julianne Clair Steel-Duncan completed with distinction a two-year period as postdoctoral fellow in pediatric infectious diseases and epidemiology, with emphasis on pediatric HIV/AIDS, supervised by Celia DC Christie.

Dr Audrey Pottinger

Principal research supervisor for (7) students (2004-2005): 2 PhD doctoral candidates, 4 MSc Clinical Psychology, 1 MSc Counseling. *Co-supervisor* for 1 overseas PhD doctoral candidate (from Long Island Univ.)

Two of three postgraduate students were successful at the DM Paediatrics Part II (final) examinations held at the Mona Campus this year. These students were from the Mona Campus. Six of six postgraduate students were successful at the DM Part I examination.

Dr Minerva Thame

Jennifer Lunn Title: Comparison of pregnancy among women with Hb SC disease homozygous sickle cell disease (Hb SS) and age matched controls. St. Georges University, London, England. March –May 2004

Inger Manswell Title: A comparison of anthropometry of mothers and infants within the puerperium, with respect to maternal age. DM (Paediatrics) thesis Submitted 2004.

Dorren Gayle Title: The Relationship between Haemoglobin Levels and Pregnancy outcomes. MSc. (Nutrition). Submitted 2005.

Jillian Lewis. Title: Pregnancy Outcome and Maternal Weight Gain in Women with Homozygous SS Disease and Birth Outcome. DM (Paediatrics) thesis.

Indira Singh-Minott Title: Pregnancy and Birth Outcome in Women with Homozygous SC Disease. DM (Paediatrics) thesis.

Dr Helen Trotman – Edwards

Postgraduate

Dianne Donaldson DM(Paediatrics) thesis Review of cases of febrile seizures seen at the University Hospital of the West Indies.

Tamra Tomlinson DM (Paediatrics) thesis: The epidemiology of cardiac lesions seen in children with Trisomy 21 at the Bustamante Hospital for Children.

Andrea Garbutt DM (Paediatrics) thesis Outcome of infants with Hypoxic Ischaemic Encephalopathy admitted to the neonatal unit, University Hospital of the West Indies.

Obstetrics & Gynaecology

This year was the third year of the introductory lectures to the preclinical students which is part of the urogenital module. This was done concurrently with the weekly lectures to the students under the old system.

All but one candidates were successful in the May/June 2005 MBBS examinations. Three students obtained distinctions and six obtained honors in Obstetrics and Gynaecology.

The undergraduate exam format was reviewed by a team chaired by Professor Ramsewak (Trinidad), University examiner. Minor changes were made to ensure that the format and standard of the clinical exam were uniform across the campuses.

One candidate was successful in the Doctor of Medicine part II in Obstetrics and Gynaecology in the May/June examinations and two were successful in the DM part 1.

