



CARIBBEAN HEALTH RESEARCH COUNCIL
55th Annual Council and Scientific Meetings
Hyatt Regency Trinidad Hotel
Trinidad and Tobago
April 21 – 24, 2010

Programme

Wednesday, April 21, 2010

Regency II Room

9:00 am ***55th Annual CHRC Council Meeting***
Chairman: Sir Keith Hunte

Regency I Room

8:30 am ***Research Methods (Study Design) Workshop***

Thursday, April 22, 2010

***Port-of-Spain
Ballroom***

Opening Session

Chairpersons: D Picou, R Sealey-Thomas

8:00 am ***Feature Lecture I: “New insights into the pathogenesis of HAM/TSP”***
O St C Morgan

(O – 1) 8:45 am ***Investigation of the number of acute cardiac events admitted to the
Queen Elizabeth Hospital, Barbados, 2003–2007***
NRS Belgrave, IR Hambleton, AJM Hennis, AMC Rose

(O – 2) 9:00 am ***Implementing therapeutic lifestyle modifications to reduce the burden of chronic disease
among University staff***
DG Hilaire, DD Ramdath

(O – 3) 9:15 am ***The socio-economic determinants of obesity in adults in The Bahamas***
NV Brathwaite

(O – 4) 9:30 am ***Breastfeeding challenges in preterm infants compared to full term infants at the
University Hospital of the West Indies***
T Laughton, G Gordon-Strachan, M Thame

- (O – 5) 9:45 am **The effects of chronic intakes of a high sucrose diet on insulin signalling genes in cardiac tissue from insulin resistant rats**
S Singh, DD Ramdath
- (O – 6) 10:00 am **Dichloro-diphenyl-trichloroethane and pyrethroid resistance in strains of *Aedes aegypti* in Trinidad and Tobago**
KA Polson, SC Rawlins, WG Brogdon, DD Chadee

10:15 am COFFEE BREAK AND POSTERS

**Port-of-Spain
Ballroom**

Session 2 Chronic Diseases

Chairpersons: S Persaud, I Potter

- (O – 7) 11:15 am **Cardiovascular disease risk factor trends among youth in Turks and Caicos**
TE Maitland, C Ramsay, S Malcolm, S Handfield, R Ewing
- (O – 8) 11:30 am **Arterial stiffness as an integrated index of cardiovascular risk in South Asian and age-matched African-Caribbean men**
R Rezai, J Finn, F Wu, JK Cruickshank
- (O – 9) 11:45am **Emergence of ethnic differences in blood pressure in adolescence: The determinants of adolescent social well-being and health study**
S Harding, M Whitrow, E Lenguerrand, M Maynard, A Teyhan, JK Cruickshank, G Der
- (O – 10) 12:00 noon **Diabetes Mellitus: Common myths and misconceptions in the Trinidadian population**
S Bahadursingh, S Balkissoon, C Dookhan, J Frank, K Gaebolae, M Gaiokitse, N Hosein, R Jagdeo, S Mahabir, K Maharaj, R Maharaj, K Modise, N Mohammed, R Persad, R Raghunanan, N Ramkissoon, S Sarwan, R Seegobin, V Simon, H Stephen, B Subramanian, O Thekwini
- (O – 11) 12:15 pm **Plasma adiponectin levels are related to obesity, inflammation, blood lipids and insulin in Type 2 diabetic and non-diabetic Trinidadians**
BS Nayak, D Ramsingh, S Gooding, S Bissram, A Mohammed, SB Raychaudhuri, V Pandohie, F Figaro, DD Ramdath
- (O – 12) 12:30 pm **Association of the ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1) gene with Type 2 diabetes risk in Afro-Caribbean men from Tobago**
TS Leak, I Miljkovic, AL Patrick, VW Wheeler, C Bunker, CS Nestlerode, JM Zmuda
- (O – 13) 1 2:45 pm **Measuring the burden of cancer in the Turks and Caicos Islands**
RW Ewing, KM Pollack, TE Maitland

1:00 pm LUNCH

Lunch Time Presentation **An Update on DPP-4 inhibitors in the Management of Type 2 Diabetes**
JB Harp
Merck Research Laboratories

Session 3

Health Services

Chairpersons: M Dahl Regis, T Seemungal

- (O – 14) 2:00 pm **Identifying breast cancer screening barriers among Barbadian women**
MN Granado, IR Hambleton, AJM Hennis, AMC Rose
- (O – 15) 2:15 pm **Management of diabetes and hypertension in Health Centres in Antigua: Results of a Chart Audit**
R Sealey-Thomas, J James, E Roberts, S Hunte, DT Simeon
- (O – 16) 2:30 pm **Diabetes and hypertension guidelines and the Barbadian primary healthcare practitioner: Knowledge, attitudes, practices and barriers**
OP Adams, AO Carter
- (O – 17) 2:45 pm **Assessment of treatment goals attained by patients according to CHRC/PAHO guidelines for diabetes management in primary care centres in North Trinidad**
JA Morren, GK Davis, N Baboolal, A McRae
- (O – 18) 3:00 pm **The attitudes of medical practitioners towards patients with mental illness in Barbados**
R Brown, N Brathwaite, M Campbell, M Emmanuel, P Gaskin
- (O – 19) 3:15 pm **Domestic violence in Curaçao and its health consequences**
N Ph L van Wijk, JGM de Bruin
- 3:30 pm **COFFEE BREAK AND POSTERS**

Session 4

HIV/AIDS/STI

Chairpersons: B Camara, G Avery

- (O – 20) 4:00 pm **The prevalence of other sexually transmitted infections in confirmed HIV cases at a referral clinic in Jamaica**
N Hutton-Rose, C Blythe, C Ogbonna, D McGrowder
- (O – 21) 4:15 pm **Adherence to antiretroviral therapy among people accessing services from non-governmental HIV support organizations in three Caribbean countries**
CF Allen, Y Simon, J Edwards
- (O – 22) 4:30 pm **Harm reduction and pregnancy outcomes in heterosexual HIV discordant couples in Tobago**
R Noel, A Francis
- O – 23) 4:45 pm **Demographics, clinical profile and outcome among the HIV-infected persons hospitalized in the HAART era in Barbados**
A Kumar, S Forde, T Roach
- 5:00 pm **End of Session**

Thursday, April 22, 2010
Regency III and IV, Hyatt Regency

7:00 pm **Opening Ceremony**

Friday, April 23, 2010

**Port-of-Spain
Ballroom**

Chairpersons: AA Jackson, J St John

8:15 am **Feature Lecture II: "Untangling Anansi's web: Cause mechanism and potential treatments in Caribbean clinical science"**
JK Cruickshank

Session 5

Nutrition

(O – 24) 9:00 am **A baseline survey of knowledge, attitudes, practices and beliefs of nutrition and healthy lifestyles among primary school children in Trinidad and Tobago**
DD Ramdath, S Singh, K Cheong, B Kalyn, S Mangroo, S Nurse, CJ Henry

(O – 25) 9:15 am **Anaemia in school children in the Turks and Caicos Islands: The tale of two cohorts**
TE Maitland, C Ramsay, S Malcolm, S Handfield, R Ewing

(O – 26) 9:30 am **Development of a quantitative food frequency questionnaire for assessing food and nutrient intakes to study relationships between diet and chronic disease burden in Trinidad**
D Hilaire, DD Ramdath, K Cheong, N Hilaire, S Sharma

(O – 27) 9:45 am **Vitamin D deficiency and its relationship to adiposity and metabolic risk factors among older African-Caribbean men**
I Miljkovic, CH Bunker, AL Patrick, VW Wheeler, LH Kuller, JM Zmuda

10:00 am COFFEE BREAK AND POSTERS

Session 6

Clinical Studies

Chairpersons: R Ramsewak, St C Thomas

(O – 28) 11:00 am **Characterization of the asthmatic population of St Vincent and the Grenadines: Asthma severity levels and atopic sensitization**
C Schwindt, S-Y Leu, Y Klebanova, C Walker, H Bacchus

(O – 29) 11:15 am **Measuring microlbuminuria in sickle cell disease: Spot albumin/creatinine ratio versus 24-hour urine protein assay**
MR Asnani, ME Reid

(O – 30) 11:30 am **Renal function is associated with arterial stiffness in the African Caribbean population of Tobago**
AL Patrick, H Li, LH Kuller, CM Kammerer, JM Zmuda, I Miljkovic, VW Wheeler, CH Bunker

(O – 31) 11:45 am **The occurrence of left ventricular hypertrophy in normotensive individuals in a community setting in North East Trinidad**
R Bacchus, K Singh, I Ogeer, K Ragoonanan, K Mungrue

(O – 32) 12:00 noon **TRAQ-D (Trinidad Risk assessment Questionnaire for Type 2 Diabetes Mellitus): A cheap, reliable, non-invasive screening tool for diabetes**
Z Latchan, U Deonaraine, A Kamalodeen, S Sanchez, R Seereeram, R Sinanan, K Mungrue

- (O – 33) 12:15 pm **Penile cancer in Jamaicans managed at the University Hospital of the West Indies**
BF Morrison, B Hanchard, RP Graham, M Reid
- (O – 34) 12:30 pm **The prevalence of geriatric depression in the district hospitals of Barbados**
JEM Brathwaite, MK Emmanuel, MH Campbell, PS Gaskin
- (O – 35) 12:45 pm **Molecular detection and epidemiology of extended-spectrum beta-lactamase genes prevalent in clinical isolates of *Klebsiella pneumoniae* and *Escherichia coli* from Trinidad and Tobago**
PE Akpaka, B Legall, J Padman

1:00 pm LUNCH

Lunch Time Presentation **CHRC with Haiti**

Friday, April 23, 2010

Satellite Meetings

Port-of-Spain Ballroom

2:00 pm Caribbean Health Research Agenda

Topaz Room

2:00 pm Research Ethics

Diamond Room

2:00 pm Caribbean Association of Nephrologists and Urologists

Friday, April 23, 2010

Venue 6:30 pm AWARDS BANQUET

Saturday, April 24, 2010

**Port- of- Spain
Ballroom**

Chairpersons: R Phillips, SC Rawlins

8:15 am Feature Lecture III: “Feature Lecture III: “EVIPNet in Trinidad and Tobago: Bringing evidence to life”
E Henry

Session 7 Communicable Diseases

(O – 36) 9:00 am **Origins of sylvatic yellow fever virus outbreaks in Trinidad**
AJ Auguste, P Lemey, OG Pybus, R Alba Salas, AA Adesiyun, AD Barrett, RB Tesh, SC Weaver, CVF Carrington

(O – 37) 9:15 am **Dengue seroprevalence among American Red Cross Blood Donors in Puerto Rico, 2006**
H Mohammed, KM Tomashek, S Stramer, E Hunsperger

- (O – 38) 9:30 am ***Aedes aegypti* in Jamaica, West Indies: container productivity profiles to inform control strategies**
DD Chadee, S Huntley, DA Focks, AA Chen
- (O – 39) 9:45 am ***Organophosphate resistance strains of Aedes aegypti* mosquitoes in Trinidad**
KA Polson, SC Rawlins, WG Brogdon, DD Chadee
- (O – 40) 10:00 am ***Leptospirosis* in humans, dogs, livestock and rodents in Trinidad and production of a new vaccine for use in dogs**
SM Suepaul, CV Carrington, M Campbell, G Borde, AA Adesiyun
- (O – 41) 10:15 am ***Survival of Campylobacters on cutting boards and ready-to-eat foods: The possible role of cross-contamination in the transmission of Campylobacter enteritis in Barbados***
TAR Alleyne, SN Workman
- 10:30 am **COFFEE BREAK AND POSTERS**
- Port- of-Spain
Ballroom**
- Closing Session**
- Chairpersons: A Cumberbatch, L Pinto Pereira**
- (O – 42) 11:00 am ***Wound healing potential of the skin of the common grape (Vitis Vinifera) variant, Cabernet Sauvignon***
BS Nayak, DD Ramdath, JR Marshall, GN Isitor, M Eversley, S Xue, J Shi
- (O – 43) 11:15 am ***Dental health knowledge and attitudes of primary school teachers toward developing dental health education***
V Ramroop, D Wright, RS Naidu
- (O – 44) 11:30 am ***The association of academic streaming to depressive symptoms in adolescents across three Caribbean countries***
G Lipps, G Lowe, S Halliday, A Morris, N Clarke, RN Wilson
- (O – 45) 11:45 am ***Medical student training at a University Hospital in Jamaica: A survey of patient awareness and attitudes***
AT Barnett, SO Cawich, IW Crandon, JF Lindo, G Gordon-Strachan, D Robinson, D Ranglin
- 12:00 noon **Feature Lecture IV: “Evidence based Chronic Disease Health Promotion in Canada”**
H Morrison
- 12:45 pm **Presentation of Prizes and Closing Remarks – DT Simeon**

55th Annual CHRC Scientific Meeting 2010 Poster Programme

Port- of-Spain Ballroom

- (P – 1) ***Pandemic H1N1 Influenza and Dengue Fever: A case report***
R Birbal, M Rios, N Bhim, S Mohammed, B Elcock, W Welch, T Seemungal
- (P – 2) ***Hantavirus infection among children hospitalized for febrile illness in Barbados***
K Krishnamurthy, AL Nielsen, M Gittens-St. Hill, A Kumar
- (P – 3) ***Acute gastroenteritis among children in Barbados who required hospitalization: Epidemiological, clinical and microbiological characteristics***
C Browne, CN Greaves, K Krishnamurthy, AL Nielson, A Kumar
- (P – 4) ***Utilizing phase contrast microscopy as a screening tool for urinary tract infections – A pilot study***
J Ramesar, S Maharaj, D Emmanuel, VRS Singh
- (P – 5) ***Spectrum of microbes and patterns of antimicrobial prescription in the neonatal intensive care units of Trinidad – a prospective observational study***
S Hariharan, D Chen, C Harry, R Ragobar, R Boodoosingh, C Gangoo, A Hector, J Reid
- (P – 6) ***Comparative antimicrobial activity of two new mutacins***
GG Nicolas, G LaPointe, MC Lavoie
- (P – 7) ***Use of biochemical assays to detect and assess resistance strains of Aedes aegypti mosquitoes in Trinidad***
KA Polson, SC Rawlins, WG Brogdon, DD Chadee
- (P – 8) ***Seroprevalence of dengue antibodies among 12–18 year old students in four secondary schools in Trinidad***
KLD Sharma, R Mahabir, DD Chadee
- (P – 9) ***Knowledge, attitude and practice survey of some Trinidadian households with respect to leptospirosis, garbage disposal, rats and rodent control***
A Mohan, DD Chadee
- (P – 10) ***Impact of road networks on the distribution of dengue fever cases in Trinidad, West Indies***
R Mahabir, DD Chadee
- (P – 11) ***Patient mortality pattern in a paediatric intensive care unit***
K Krishnamurthy, C Mulder, S Hariharan
- (P – 12) ***Epidemiology of infections in infants less than 12 months of age – the Curaçao experience***
CS van Woerden, M Zwols, FCB Abbad, FD Muskiet
- (P – 13) ***Factors associated with low apgar scores (below 7) at 5 minutes in term infants born at Georgetown Public Hospital Corporation during 2007 and 2008***
T Davidson, F Frometa, L Thornton, A Wilburg, D Yearwood, C Bowman, N Persaud

- (P – 14) ***Pregnancy outcomes among normotensive and pregnancy induced hypertensive patients at Georgetown Public Hospital Corporation***
A Bobb-Semple, O Henry, S Henry, A Isaacs, S Trotman, N Persaud
- (P – 15) ***An investigation of the outcomes of incomplete abortions at Georgetown Public Hospital Corporation***
D Dhurjon, A Lalljie, A Mookshah, L Providence, Z Shen, N Persaud, A Purohit
- (P – 16) ***Caesarean sections and the associated maternal morbidity in Trinidad and Tobago: 2003 to 2008***
R Neptune, K Ramlochan, A Connell, A Swantson, A Benoit, A Sandy, M Guppy, N Dalrymple, T Johnson, Z des Vignes, G Legall
- (P – 17) ***Non-obstetric lower genital tract injuries***
H Fletcher
- (P – 18) ***Substance use in pregnancy at the Mt. Hope Women's Hospital in Trinidad***
Z Ali, G Davis, V Simmons, R Ramroop
- (P – 19) ***Abuse and mental disorders among women at walk-in clinics in Trinidad***
RG Maharaj, C Alexander, CH Bridglal, A Edwards, H Mohammed, TA Rampaul, S Sanchez, GP Tanwing, K Thomas
- (P – 20) ***Psychosocial screening of adolescent inpatients at the Queen Elizabeth Hospital: a clinical audit***
A Pemberton-Gaskin, PM Lashley, P Gaskin
- (P – 21) ***Depression screening of patients in the Family Medicine Outpatient Clinic at Princess Margaret Hospital, Nassau, Bahamas***
I Minus-Grimes, J Rodgers, J Thompson, T Dorsett-Johnson, L Rolle-Smith, D Smith-Rolle, E Armour-Laville, MAC Frankson
- (P – 22) ***Prevalence of dementia in persons attending social welfare services in Trinidad and Tobago: Preliminary findings***
NS Baboolal, R Stewart, GK Davis, A McRae
- (P – 23) ***Myasthenia Gravis in adults in South Trinidad***
J Maharaj, S Bahadursingh, R Deonarain, K Ramcharan
- (P – 24) ***The predictive value of urinary VMA testing in the diagnosis of pheochromocytoma at the University Hospital of the West Indies***
SN Chin, MS Boyne, D McGrowder, TN Gibson, CA McKenzie
- (P – 25) ***Compliance with intramuscular penicillin prophylaxis in children with sickle cell disease in Jamaica***
L King, S Ali, J Knight-Madden, M MooSang, M Reid
- (P – 26) ***Vascular access operations for renal replacement therapy: Preliminary results of a vascular Access Service in Jamaica***
H Brown, SO Cawich, A Martin, M Newnham, R Venugopal, EW Williams
- (P – 27) ***Relationship between energy and protein intake among dialysis patients in Trinidad and Tobago***
KA Pierre, S Bidaisee, L Roberts, BN Cockburn
- (P – 28) ***Creating dialysis accesses in a developing Caribbean nation: A cost-benefit analysis***
SO Cawich, D Jefferson, G Smith, G Hoeksema, N Iheonunekwu, F Hendriks, L van Hanswijck de Jonge, HE Harding, G Gordon-Strachan
- (P – 29) ***An analysis of cranial computed tomography findings in head trauma patients in Trinidad***
FS Rampersad, DA Rampersad, O Khan, P Maharaj, A Sinanan

- (P – 30) ***The experience of the University Hospital of the West Indies with complicated civilian head injury from machete assaults***
IW Crandon, HE Harding, SO Cawich, CAR Bruce, D Webster
- (P – 31) ***Ocular injuries from automobile external mirror damage***
D Calder, IW Crandon, N Meeks-Aitken, R Carpenter, K Jones, A McDonald
- (P – 32) ***Motorcycle helmet laws in Jamaica: An observational study of non-compliant accident victims***
HE Harding, SO Cawich, IW Crandon, NR Evans, AH McDonald, D Fearron-Boothe, M Isaacs
- (P – 33) ***Extremity injuries from motorcycle road traffic accidents: The experience from a Tertiary Referral Hospital in Jamaica***
M Isaacs, SO Cawich, REC Rose, HE Harding, IW Crandon, D Fearon-Boothe, DIG Mitchell
- (P – 34) ***The comparative effectiveness of percutaneous coronary interventions and coronary artery bypass graft surgery in Trinidad***
C Rangoo, F Abdool, S Daberam, V Maharaj, D Parey, V Sukhoo, K Mungrue
- (P – 35) ***Does ethnicity influence the outcome of Coronary Artery Bypass Grafting surgery? – a five year study in Trinidad and Tobago***
S Hariharan, D Chen, M Vialva, H Exeter, I Billingsy, KA Bobb, B Rammekwa, D Reid
- (P – 36) ***Evaluating cardiovascular risk factors in asymptomatic individuals in a Trinidadian community***
K Singh, I Ogeer, R Bacchus, K Mungrue
- (P – 37) ***The timing of stroke presentation at the University Hospital of the West Indies***
M Isaacs, EW Williams, SO Cawich, S Shah, SJ Hendricks, I Edwards, O Morgan, G Gordon-Strachan, J Williams-Johnson, C Bruce, P Singh, S French, R Hutson
- (P – 38) ***The antihypertensive effects of Hibiscus sabdriffa (preliminary findings)***
K Ramnarine, R Maharaj
- (P – 39) ***A preliminary report on periodontal disease and diabetes in Trinidad***
R Balkaran, RS Naidu, S Teelucksingh, T Seemungal, L Pinto Pereira, E Prayman, A Bissoon
- (P – 40) ***A retrospective cohort study to assess the incidence of various outcomes arising within a 2 year period, for patients with major diabetic lower limb amputations done at the Georgetown Public Hospital Corporation in 2006/2007***
S Doraisami, S Fung, G Mendes, A Singh, C Martin, N Persaud
- (P – 41) ***Identification of diabetes in children from a mass urine screening***
Y Batson, S Teelucksingh, RG Maharaj, BN Cockburn
- (P – 42) ***Parent perceptions of paediatric oncology services at the Eric Williams Medical Sciences Complex, Trinidad***
A Lum Lock, C Bodkyn, Z Ali
- (P – 43) ***Ethnic patterns of prostate cancer in the Southwest Region of Trinidad and Tobago***
L Goetz, M Persaud, N Changoor, K Gooden, C Beharry, R Ramsoobhag
- (P – 44) ***PSA, a marker of mortality in patients with prostatic cancer - the Trinidad experience***
S Moonan, M Mohammed, V Ramlogan, L Ramnarine, R Spalding, N Maharaj, R Rampaul, S Hyatali, R Kissoon, K Mungrue

- (P – 45) ***Investigating the correlation between pulse conduction velocity and finger near infrared photoplethysmography parameters in Trinidad***
J Addae, KS Gokool, AV Ajodah, CG Ahamad, N Dassrath, S Gobin, OS Ramlochansingh, N Ramroop, S Rickhi, R Shripat
- (P – 46) ***Hepatoprotective activity of leonotis nepetifolia (lamiaceae) against acetaminophen-induced toxicity in swiss albino mice***
AF Williams, YN Clement, E Uche-Nwachi, S Nayak, AVC Rao
- (P – 47) ***An in vitro skin model to study the effect of Mesenchymal Stem Cells in wound healing and epidermal regeneration***
N Ojeh, H Navsaria
- (P – 48) ***Distance learning and eLearning resources for training healthcare providers in Trinidad and Tobago***
Z Ali, A Nartket, S Bluemer, A Lum Lock, G Deane, D Picou
- (P – 49) ***Lessons learned in scaling-up and integrating HIV testing in a primary healthcare facility: The Counselling, Testing and Intervention Programme***
B Anglin-Brown, J Mullings, J Garvey-Henry
- (P – 50) ***The effect of school-based sexual education on adolescent sexual choices***
S Willis, J Phillips, L Birch, W Brathwaite
- (P – 51) ***Through the eyes of children – engaging youth in creating a supportive environment for health: A photovoice strategy***
C Henry, DD Ramdath, B Thompson, A Sum, S Mangroo, B Kalyn, R Dobson, A Blunt, S Whiting
- (P – 52) ***Nutritional composition of commonly consumed composite dishes in Trinidad***
DG Hilaire, DD Ramdath, A Brambilla, X Cao, J Ruehl, S Sharma
- (P – 53) ***Intergenerational support, living arrangements and self-rated health: exploring the situation of older women in Trinidad and Tobago***
JM Rawlins, MA Spencer
- (P – 54) ***The Faculty of Medical Sciences, St. Augustine and its contribution to Human Resource Development in the Caribbean***
M Lewis