



CARIBBEAN HEALTH RESEARCH COUNCIL

55th Annual Council and Scientific Meetings

Hyatt Regency Trinidad Hotel

Trinidad & Tobago

April 21 - 24, 2010

Draft Programme

Wednesday, April 21, 2010

Regency I Room

9:00 a.m. 55th Annual CHRC Council Meeting
Chairman: Sir Keith Hunte

Regency II Room

8:30 a.m. Research Methods (Study Design) Workshop

Thursday, April 22, 2010

Port of Spain Ballroom

Opening Session

Chairpersons:

8:00 a.m. Feature Lecture I:

- (O - 1) 8:45 a.m. 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 a.m. Implementing therapeutic lifestyle modifications to reduce the burden of chronic disease among University staff*
DG Hilaire, DD Ramdath
- (O - 3) 9:15 a.m. The socioeconomic determinants of obesity in adults in the Bahamas*
NV Brathwaite
- (O - 4) 9:30 a.m. 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 a.m. *The effects of chronic intakes of a high sucrose diet on insulin signaling genes in cardiac tissue from insulin resistant rats*
S Singh, DD Ramdath
- (O - 6) 10:00 a.m. *DDT and pyrethroid resistance in Trinidad and Tobago strains of Aedes aegypti*
KA Polson, SC Rawlins, WG Brogdon, DD Chadee
- 10:15 a.m. **COFFEE BREAK AND POSTERS**

**Port of Spain
Ballroom**

Session 2

Chronic Diseases

Chairpersons:

- (O - 7) 11:15 a.m. *Cardiovascular disease risk factor trends among TCI youth*
TE Maitland, C Ramsay, S Malcolm, S Handfield, R Ewing
- (O - 8) 11:30 a.m. *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) 11:45a.m. *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 Gaikitse, 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 p.m. *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 p.m. *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 p.m. *Measuring the burden of cancer in the Turks & Caicos Islands*
RW Ewing, KM Pollack, TE Maitland

1:00 p.m. **LUNCH**

Session 3 **Health Services**

Chairpersons:

(O – 14) 2:00 p.m. *Identifying breast cancer screening barriers among Barbadian women*
MN Granado, IR Hambleton, AJM Hennis, AMC Rose

(O – 15) 2:15 p.m. *Management of diabetes and hypertension in Health Centres in Antigua: Results of a Chart Audit*
R Sealey-Thomas, J James, S Hunte

(O - 16) 2:30 p.m. *Diabetes and hypertension guidelines and the Barbadian primary health care practitioner: Knowledge, attitudes, practices and barriers*
OP Adams, AO Carter

(O – 17) 2:45 p.m. *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 p.m. *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 p.m. *Domestic violence on Curacao and its health consequences*
N Ph L van Wijk, JGM de Bruin

3:30 p.m. **COFFEE BREAK AND POSTERS**

Session 4 **HIV/AIDS/STI**

Chairpersons:

(O - 20) 4:00 p.m. *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 p.m. *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 p.m. ***Harm reduction and pregnancy outcomes in heterosexual HIV discordant couples in Tobago***
R Noel, A Francis
- O – 23) 4:45 p.m. ***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 p.m. ***End of Session***

Thursday, April 22, 2010

Venue

7:30 p.m. ***Opening Ceremony***

Friday, April 23, 2010

***Port of Spain
Ballroom***

Chairpersons:

8:15 a.m. ***Feature Lecture II:***

Session 5

Nutrition

- (O – 24) 9:00 a.m. ***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 a.m. ***Anemia in Turks and Caicos Islands school children: The tale of two cohorts***
TE Maitland, C Ramsay, S Malcolm, S Handfield, R.Ewing
- (O - 26) 9:30 a.m. ***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 p.m. ***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 a.m. COFFEE BREAK AND POSTERS

Session 6

Clinical Studies

Chairpersons:

- (O - 28) 11:00 a.m. **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 a.m. **Measuring microalbuminuria in sickle cell disease: Spot albumin/creatinine ratio vs. 24-hour urine protein assay**
MR Asnani, ME Reid
- (O - 30) 11:30 a.m. **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 a.m. **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 Deonarine, A Kamalodeen, S Sanchez, R Seereeram, R Sinanan, K Mungrue
- (O - 33) 12:15 p.m. **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 p.m. **The prevalence of geriatric depression in the district hospitals of Barbados**
JEM Brathwaite, MK Emmanuel, MH Campbell, PS Gaskin
- (O - 35) 12:45 p.m. **Molecular detection and epidemiology of extended-spectrum beta-lactamase genes prevalent in clinical isolates of klebsiella pneumoniae and escherichia coli from Trinidad & Tobago**
PE Akpaka, B Legall, J Padman

1:00 p.m. LUNCH

Friday, April 23, 2010

Satellite Meetings

Port of Spain Ballroom

2:00 p.m.

Caribbean Health Research Agenda

Diamond/Topaz Room

2:00 p.m.

Research Ethics

Friday, April 23, 2010

Venues

6:30 p.m.

AWARDS BANQUET

Saturday, April 24, 2010

**Port of Spain
Ballroom**

Chairpersons:

8:15 a.m.

Feature Lecture III:

Session 7

Communicable Diseases

(O - 36) 9:00 a.m.

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 a.m.

Dengue seroprevalence among American Red Cross Blood Donors in Puerto Rico, 2006
H Mohammed, KM Tomashek, S Stramer, E Hunsperger

(O - 38) 9:30 a.m.

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 a.m.

Organophosphate resistance in Trinidadian strains of Aedes aegypti mosquitoes
KA Polson, SC Rawlins, WG Brogdon, DD Chadee

(O - 40) 10:00 a.m.

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 a.m. *Survival of Campylobacters on cutting boards and ready-to-eat foods: The possible role of cross-contamination in the transmission of Campylobacter enteritis on the island of Barbados*
TAR Alleyne, SN Workman

10:30 a.m. **COFFEE BREAK AND POSTERS**

**Port of Spain
Ballroom**

Closing Session

Chairpersons:

(O – 42) 11:00 a.m. *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 a.m. *Dental health knowledge and attitudes of primary school teachers toward developing dental health education*
V Ramroop, D Wright, RS Naidu

(O – 44) 11:30 a.m. *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 a.m. *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 Ramglin

12:00 noon. **Feature Lecture IV:**

12:45 p.m. **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 that 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 in Trinidadian strains of Aedes aegypti mosquitoes***
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) ***KAP survey of some Trinidadian households with respect to leptospirosis, garbage disposal, rates 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 ICU***
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 the period 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 and the associated maternal morbid conditions in Trinidad & 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 & Tobago: Preliminary findings***
NS Baboolal, R Stewart, GK Davis, A McRae
- (P – 23) ***Myasthenia Gravis 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 Fearon-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 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 effects of Hibiscus Sabdariffa L (Sorrel) extract on the blood pressures of Indo and Afro Trinidadian suffering from essential hypertension***

K Ramnarine, R Maharaj, Y Clement, A Williams

- (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 Narker, S Bluemer, A Lum Lock, G Deane, D Picou
- (P – 49) ***Lessons learned in scaling up and integrating HIV testing in a primary health care facility: The Counseling, Testing & Intervention (CTI) 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 supportive 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