

## 4<sup>th</sup> Annual National Health Research Conference 2023

### Poster Presentations

---

---

- (P-1) ***A study on the transition from online to face-to-face classes on the self-reported mental health of University Students following the COVID-19 pandemic***  
C Babwah, M Belmontes, M Castro, B Dabideen, F Felix, T Gayle, S Sirjusingh, C Wilson, Y Clement
- (P-2) ***The impact of social media usage on academic responsibilities, personal commitments, and mental health among medical students at the University of the West Indies, St. Augustine Campus***  
N Clarke, J Cumberbatch, A Gangerbissoon, N Mac Lean, V Mansar, K Morris, R Robinson, N Span, S Jankie, S Singh
- (P-3) ***Do those who know better do better? UWI St. Augustine Campus' students' knowledge of cannabis-related mental health risks and their patterns of cannabis use***  
JL Pow, C Quashie, J Mitchell, I Narine, O Somorin
- (P-4) ***The prevalence of depression, anxiety and stress in the student population at the School of Veterinary Medicine, UWI***  
J Johnson, A Ganpat, M Heeraman, S Roopchan, AK Persad
- (P-5) ***Youth perspectives on mental health during COVID-19 lockdown in Trinidad and Tobago: Implications for emergency response in small island developing states***  
MM Murphy, C Pemberton, E Wheeler, L Gulston, O Kerr-Layne, A John, B Baksh, G Thomas, CF Allen
- (P-6) ***The impact of stress on the physical and mental health of pandemic preclinical medical students in Trinidad and Tobago***  
M Bhagaloo, A Birbal, G Boodoo, J Dhawalaghar, G Johnson, L Joseph, CS Persad, J Sooklal, S Reid, L Benjamin
- (P-7) ***Unpacking the association between negative affect and neuroticism on perceived stress in marriages in Trinidad and Tobago***  
AT Brizan, A Hunte
- (P-8) ***Symptom dimensions of psychopathology in untreated psychosis—Findings from the International Programme of Research on Psychotic Disorders, INTREPID II***  
C Donald, D Quattrone, U Reininghaus, JL Pow, T Roberts, GM Esponda, H Weiss, A Cohen, S John, B Olley, O Ayinde, R Murray, O Gureje, R Thara, C Morgan, G Hutchinson
- (P-9) ***Ease of use and usefulness of a virtual gaming simulation on mental health assessment during a home visit, among Guyanese nursing students: A web-based survey***  
E Daniel, R Trotman, G Ramdeen-Mootoo, V Victor, K Lootawan
- (P-10) ***The explorations of academic stress and wellbeing among medical science students***  
T Esnard, T Ramdhanie, D Baboolal, A Beharry, C Kolai, F Manger, V Moonian, S Sookoo, G Ugas
- (P-11) ***Evaluation of oestrus in the Buffalypso (*Bubalus bubalis*) using electrical resistance of vaginal mucus and its association with conception using artificial insemination***  
DM Ramcharan, HO Stewart, AK Persad
- (P-12) ***Knowledge, attitude, and perceptions of dairy farmers in Trinidad and Tobago to antibiotic use and antibiotic resistance***  
A Maharaj, A Huggins, N Jogie, K Meade, MJ Morris, AK Persad
- (P-13) ***Agro byproduct feedstuff as a substitute for conventional feed for rabbits in Trinidad, West Indies***  
DA Patterson, KR Jones



- (P-14) ***In vitro digestibility and fermentation kinetics of agricultural by-products used as feed for sheep in Trinidad, West Indies***  
MDE Scott, MP Hughes, KR Jones
- (P-15) ***A preliminary investigation of the distribution of the AB blood types in domestic cats in Trinidad, and the potential risks of transfusion reactions and neonatal isoerythrolysis***  
K Jaggernath, M Kellman, N Baksh, S Ramatally, S Bates, A Bally, A Hosein, I Pargass
- (P-16) ***An investigation of the attitudes and perceptions about animal abuse in Trinidad and Tobago***  
S Thomas, O Felicioli, T Seebaransingh, A Ramdeo, N Timla, R Charles, L Benjamin
- (P-17) ***Occurrence of surgical site infections in small animal surgery***  
TDJ Auguste, GJ Breur, M Simons, A Ruple, L Koma
- (P-18) ***Survey and education of abnormal behavioural conditions occurring in dogs, cats, birds and rabbits in Trinidad and Tobago***  
J Johnson, E Hassranah, K Khatic, B Raghunanan, S Ramsook, C Jones, AK Persad
- (P-19) ***Assessing the prevalence of dental disease in dogs four years and older in Trinidad***  
DJV Brailey, JR Felician, F Mohammed, A Nanan, O Khan, K Sawh, A Hosein
- (P-20) ***Attitudes towards sustainable dentistry in Trinidad and Tobago***  
D Carr, A Donatien, A Dilraj, A Teelucksingh, K Maharaj, SA Mahadeo, T Hoyte
- (P-21) ***Mechanical properties of various foods and confectioneries commonly consumed in Trinidad and Tobago***  
D Brathwaite, T Ragoobir, H Ramnanan, V Ramsumair, V Ramdath, D Sawh, W Smith
- (P-22) ***Dental students' perceptions of clinical tutors as role models at the University of the West Indies, St. Augustine***  
S Boodoo, J Clarke, A Downes, M Ferreira, R Lewis, J Rampersad, J Shairsingh, A Snaggs, GS Aswal
- (P-23) ***Variation of the corneal biomechanical properties of patients with dry eyes, keratoconic and healthy eyes, using the ocular response analyzer machine***  
R Juman, S Hosein, K Ekemiri
- (P-24) ***A retrospective look at using subthreshold micropulse laser therapy for treatment of central serous chorioretinopathy and success rates in Trinidad and Tobago***  
N Persad, F Hackett, P Samaroo, C Lowe, J Guytan, A Phillips, K Hosein, A Vialva, A Vialva, A Samaroo
- (P-25) ***Comparative assessment of determinants of utilisation of eye care services in urban and rural adult populations in Trinidad***  
K Ekemiri, AS Ali, SS Ali, AD Bachan, G Barhoo, SR Jaglal, NN Kisson, J Liu, S Sam
- (P-26) ***Knowledge, attitude, and preference towards the management of myopia among patients and students in Trinidad***  
D Lawrence, S Oudit, K Ekemiri
- (P-27) ***The epidemiology of retinopathy of prematurity in Trinidad and Tobago***  
N Persad, RA Joseph, NA Mandol, NR John, DPJ Lewis, C Kamal, ST Sookhoo, A Subero, G Roopnarine
- (P-28) ***Improved diets of outpatients at two health facilities during the early phase of the pandemic***  
A James, AJ Williams, C Kendall-Mapp, SR Hunte, MA Ivey, DT Simeon
- (P-29) ***Sedentary behaviors increased in outpatients during the pandemic***  
AJ Williams, A James, C Kendall-Mapp, SR Hunte, MA Ivey, DT Simeon
- (P-30) ***Disease control of non-communicable disease outpatients: pre- and during the COVID-19 pandemic***  
AJ Williams, A James, C Kendall-Mapp, SR Hunte, MA Ivey, DT Simeon
- (P-31) ***Access and utilization of public healthcare facilities and medication use by outpatients during the COVID-19 pandemic***  
A James, AJ Williams, C Kendall-Mapp, SR Hunte, MA Ivey, DT Simeon

- (P-32) ***Dietary diversity of individuals with type 2 diabetes and foot ulceration in Trinidad and Tobago***  
S Deonarine, A Abdool, T Francis, J Nicholas-Joseph, V Tewari, V Tewari, S Neeranjan, A Nath, E Augustus, JS Mohan
- (P-33) ***An investigation into the efficacy of herbal medication compared to prescribed conventional medication in managing hypertension in Trinidad and Tobago***  
A Williams-Persad, A Brereton, S Baboolal, K Chinemilly, M Premchand, R Ramdial, A Ramroop, P Richards, T Seepersad, P Johnson
- (P-34) ***Prevalence of risk factors for cardiovascular diseases among students at an Eastern School Health Unit in Trinidad***  
S Caruth-Turner
- (P-35) ***The prevalence of overweight and obesity in children with Autism Spectrum Disorder in Trinidad and Tobago***  
S Singh, P Bahadursingh
- (P-36) ***Audit of the chronic pain clinic at the Sangre Grande Hospital during the COVID-19 pandemic***  
K Bhagaloo, L La Borde, S Mohammed
- (P-38) ***A novel approach to non-invasive diabetes mellitus screening utilising smartphone-based computer-aided pixel analysis: A quantitative scale for Acanthosis Nigricans***  
AS Dhanoo, S Ramroach, S Gupta, B Modhagala, F Hill-Briggs, BN Cockburn
- (P-39) ***Gender differences in the dietary habits among university students***  
J Henry, M Webb, S Bawa, S Beckford
- (P-40) ***Evaluation of bacterial biofilm formation and antibiotic resistance in Staphylococcus aureus and Pseudomonas aeruginosa isolates from Trinidad and Tobago***  
WK Arneaud, CG Unakal, A Kurhade, R Thompson, PE Akpaka
- (P-41) ***Prevalence of Candida species in clinical specimens in Trinidad***  
D Anderson, CG Unakal, A Khurade, R Thompson, K Ashraph, PE Akpaka
- (P-42) ***Emergency physicians' perceptions of the benefits and challenges of the implementation of an electronic medical record system in the Emergency Department at the San Fernando General Hospital, Trinidad and Tobago***  
S Deen, R Sankar, S Varachhia, R Debie, A Sankar, K Manohar, R Naraynsingh
- (P-44) ***Prevalence survey of antibiotic usage in a secondary-care hospital***  
G Dhanraj-Singh, D Dookeeram, S Gajadhar, F Mac Donald, D Maharaj, R Nagassar, K Persad, A Phillips, S Poonwassie, S Solomon
- (P-45) ***Evaluating the performance of three risk-assessment tools on cardiovascular patients in Trinidad and Tobago***  
S Ramkhelawan, A Joseph, R Clarke
- (P-46) ***A pilot study: Turnaround time for laboratory specimens in the Biochemistry Department at the San Fernando General Hospital***  
R Mycoo, C Stephens
- (P-47) ***Prospective audit of fasting times in patients in an obstetric unit at Sangre Grande Hospital***  
K Sewlal, S Mohammed
- (P-48) ***Implementing a sepsis protocol for rapid recognition and management of adult patients with sepsis - A quality improvement project***  
FA Oben
- (P-49) ***Self-reported prevalence of kidney stones in Trinidad and Tobago: Preliminary results of a national survey***  
S Persaud, R Andrews, S Jankie, MJ Morris, S Varachhia

- (P-50) **Development of a bioinformatics application to support genomic analysis: A work in progress**  
S Nicholls, A Ramjag, C Carrington
- (P-51) **A review of the outcomes of head and neck cancer in a developing country**  
D Ramsingh, N Figaro, R Ramoutar, FA De Verteuil, D Samaroo, J Jurawan, J Phillip
- (P-52) **A prospective audit of the incidence of ventilator associated pneumonia in the Intensive Care Unit at Sangre Grande Hospital**  
K Bhagaloo, S Mohammed
- (P-53) **Return to theatre following total hip and knee replacement: A retrospective cohort study**  
G Julien, A Gooding, C Rampaul, L Boodram, N Gokool, A Ali, D Maharaj, Z Quamina, MM Mencia
- (P-54) **Birth rates in East Trinidad during the COVID-19 pandemic**  
AS Bridgelal-Gonzales, SDR Mahabir
- (P-55) **The incidence of Histoplasmosis and Cryptococcal antigenemia among patients attending a large HIV Clinic in Trinidad**  
J Edwards, S Todd, J Edwards, W Samaroo-Francis, N Lyons, G Boyce, DW Denning
- (P-56) **The consumer perception on locally grown fruits and vegetables in Trinidad and Tobago: A social media study**  
A Garcia, M Webb, S Bawa, S Beckford
- (P-57) **A prospective study on maternal satisfaction with spinal anaesthesia for caesarean section and cervical cerclage**  
C Wilson, K Frenche-Vincent, S Mohammed
- (P-58) **A mixed method study assessing absenteeism among pharmacists at the San Fernando General Hospital**  
K Hodge, S Glasgow
- (P-59) **Key interventions for strengthening capacity to conduct clinical trial research in Trinidad and Tobago: A rapid synthesis of the evidence**  
A Arman, D Bhagirati, Z Celestine, J Chotack, J Duke, S Holder, D Hosein, AL Chong, K Barker, A Williams, S Hunte
- (P-60) **Medical cannabis: Knowledge, attitudes and perceptions of medical and allied health students at a Caribbean University**  
AA Abdool, V Ahay, RA Aziz, B Bux, K Edwin, A Mcleod, LDL Mills, E Poliah, S Sambrano, A Sidoo, A James, MA Ivey
- (P-61) **Healthcare seeking practices and demographics of multiple sclerosis patients in Trinidad and Tobago**  
H Bailey, A Panday, S Lucky-Samaroo, A Maharajh
- (P-62) **Effectiveness of in-person vs online delivery of nutrition intervention plans at improving nutrition knowledge and attitudes of amateur adolescent basketballers in eastern Trinidad and Tobago**  
CJ Samuel, M Webb, S Beckford
- (P-63) **Knowledge, attitudes and practices of ultra-processed foods among residents of Trinidad and Tobago: A social media study**  
D Makoonsingh, M Webb, S Beckford, S Bawa
- (P-65) **The representation of alcohol in popular music in Trinidad and Tobago and implications for health: A content analysis**  
K Singh, X Kowlessar, C Mahase, R Maraj, A Mathura, S Mocombe, A Ramnarine, R Romero, RG Maharaj
- (P-66) **Garbage codes as underlying causes of out-of-hospital deaths in East Trinidad, 2022–2023**  
A Bridgelal-Gonzales, V Gajadhar

- (P-67) ***Medical marijuana knowledge and attitudes; A survey of pharmacists in a small island developing state, Trinidad and Tobago***  
S Maharaj, L Lutchman, CST James, S Seemongal, M Sutherland, S Scott-Campbell, D Maharaj, R Rampersad, M Manickchand
- (P-68) ***The knowledge, attitudes, beliefs and practices of complementary and alternative medicines used by diabetic patients at two outpatient clinics in Trinidad and Tobago***  
K Chotai, K Punilal, T Dillon, A Galbaran, N Gangaram, J Mohan, V Moonilal, K Ramkairsingh, S Jankie, S Singh
- (P-69) ***The systematic review of the impact of Ayurvedic Medicine on COVID-19 patients***  
S Hitlal, S Gopaul, R Ali, S Dalipsingh, A Khan, Z Pandohie, P Ramnath, T Samlalsingh, R Dahiya
- (P-70) ***A systematic review of the use of medical oils in the treatment of Alzheimer's Disease***  
TC Hay, AK Persad, MS Ismaila
- (P-71) ***Traditional Chinese medicine: A Systematic review of its impact on COVID-19 Patients***  
S Salandy, S Mohammed, A Ablack, J Ali, F Brooks, K Ali, J Lynch, L Maholtra, R Dahiya
- (P-72) ***Quality of life on renal replacement therapy: Exploring the association between the kidney disease quality of life questionnaire components and EuroQol measures for patients in Trinidad and Tobago***  
S Sanchez, H Bailey, S Teelucksingh
- (P-73) ***Evaluating the impact of neuropathy on quality of life for diabetes patients in Trinidad and Tobago***  
SS Lucky-Samaroo, H Bailey, S Teelucksingh
- (P-74) ***A 20-year study on the self-reported sexual orientation of HIV-infected male clients upon their enrollment at the Medical Research Foundation of Trinidad and Tobago***  
S Soyer, G Boyce, K Julien-Serrette, J Edwards
- (P-75) ***Assessing the quality of life among patients with urolithiasis in Trinidad***  
A Maharaj, S Persaud, B Bhagwandeem, S Smart, A Mohammed
- (P-76) ***A cross-sectional study on the quality of life and its predictors among women over the age of 18 diagnosed with endometriosis in Trinidad and Tobago***  
R Khan, M Aimable, V Bujhawan, J Cumberbatch, EJ Marbella, D Phagoo, S Ramjattan, A Shavili, T Wallace
- (P-77) ***A preliminary review of a client satisfaction study administered at an HIV Clinic in Trinidad***  
S Soyer, G Boyce, K Julien-Serrette, J Edwards
- (P-78) ***Factors influencing job satisfaction among registered nurses working in primary care settings: A Barbadian perspective***  
E Daniel, P Cummings, K Lootawan
- (P-79) ***EQ-5D-5L valuation study for Trinidad and Tobago***  
H Bailey, B Roudijk
- (P-81) ***An examination of the delivery of nursing care to children with cancer at the Wendy Fitzwilliam Paediatric Hospital***  
C George, C Stephens
- (P-82) ***Accessibility of primary health care services in rural areas in the South West Regional Health Authority***  
N Ram-Bhola, C Stephens
- (P-83) ***A quantitative study on the prevalence and effects of polycystic ovarian syndrome on the overall well-being of young women aged 18-40 years in Trinidad***  
T Esnard, TN St Louis, A Hanumansingh, SK Amrit, CG Teesdale, DS Dipchansingh, SL Ali, JS Parker, TN Muir
- (P-84) ***A PESTLE analysis on the global ageing population, a healthcare perspective in Trinidad and Tobago***  
ND Maharaj

- (P-85) ***An investigation of air quality above recommended global threshold levels in thirteen geographical locations in Trinidad***  
PA Henry, H Baboolal
- (P-86) ***Building a Caribbean climate change and health workforce***  
CAL Oura
- (P-87) ***Molecular detection of *Sarcoptes scabiei* and associated predictors of canine sarcoptic mange in Trinidad and Tobago***  
C Wong, L Koma, C Sant, KC Georges
- (P-88) ***Knowledge, attitudes and practices among staff and students of a tertiary education institute regarding Human Papillomavirus (HPV) infection, cervical cancer, screening and HPV vaccination***  
SK Khan, A Changoor, E Jodhan, GCH James, MR Ramdeo, NR Ramdeo, PT Radhay, S Bunsee, JE Foster
- (P-89) ***Investigations into the introduction, evolution and epidemic behaviour of SARS-CoV-2 lineages in Trinidad and Tobago***  
NSD Sahadeo, S Nicholls, N Mohammed, A Hinds, C Whittaker, NR Faria, KV Parag, C Carrington
- (P-90) ***Detection and characterization of potential emerging and emergent arboviruses in mosquitoes in Trinidad***  
SDB Jr. Ramnarine, C Oura, L Ramharrack, IVCD, C Carrington
- (P-91) ***An investigation into the knowledge, attitudes and beliefs about the Human Papillomavirus Vaccine and barriers preventing uptake among undergraduate students over the age of 18 at the University of the West Indies, St. Augustine***  
LFX O'Young, L Ferreira, PB Harridan, AP Harridan, CL Achee, Z Choon, DH Gopaul, CH Clarke, A Maharaj, CA Alexander
- (P-92) ***A cross-sectional study of the knowledge, attitudes and practices of medical students at the University of the West Indies, St. Augustine campus towards mandatory and recommended vaccinations***  
L Merritt-Charles, T Balraj, K Bobb, T Wiggins, A Deonarine, A Roopnarine, J Sookdeo, J Parris, K Ragbir
- (P-93) ***Capacity building to support infectious disease genomic surveillance in Trinidad and Tobago***  
AB Jordan, N Sahadeo, A Ramjag, V Ramkisson, S Nicholls, N Mohammed, C Carrington