

ABSTRACTS



MEDICINE



General Sir John Kotelawala Defence University
Sri Lanka

10TH INTERNATIONAL RESEARCH CONFERENCE

3rd - 4th August 2017

'Changing Dynamics in the Global Environment: Challenges and Opportunities'



10TH INTERNATIONAL RESEARCH CONFERENCE

3rd and 4th August 2017

'Changing Dynamics in the Global Environment: Challenges and Opportunities'

ABSTRACTS

General Sir John Kotelawala Defence University Sri Lanka

Ratmalana 10390
Sri Lanka

Content

Page	
8	Message from the Chief Guest
9	Message from the Secretary, Ministry of Defence
10	Message from the Vice Chancellor - KDU
11	Message from the Conference Chair
12	Message from the Session President
	Plenary Session Abstracts
14	Purpose Driven Education Dr Bandula Wijay
15	The Future Of Resolving The Human Elephant Conflict (Hec) Through Human Elephant Co-Existence (Hec) - Prof Sarath Kotagama
16	Emerging Infectious Diseases: The neglected dimension of Global Security Prof Malik Peiris
17	Wars between states and global health: The SDG the international community chose to ignore Prof Saroj Jayasinghe
	Technical Session Abstracts
	Oral Presentations
19	Retrospective Study On Effective Usage of Partogram In Obstetric Unit B of DGH-Kalutara From 01st March 2016 to 31st May 2016 - DS Jayaweera
20	Knowledge and practices on birth preparedness and complication readiness among antenatal mothers; A study from southern province - L Dasanayaka and SMT Ganewatta
21	Prevalence and risk factors of selected occupational health problems of teachers working in Biyagama educational division Sri Lanka - PH Lakmani, MWK Gamage and PV de Silva
22	Non-communicable disease (NCD) burden in women during menopause transition and early post-menopausal period presenting for NCD screening in a NCD clinic in Sri Lanka PM Atapattu, N Sivanantham, HAR Ranawaka, ADA Fernando, S Wasalathanthri and WGRC Wathugala
23	Validity of Sri Lankan Diabetes Risk Score (SLDRISK) as a diabetes-screening tool for real life diabetes screening in a high-risk population - P Katulanda, G Katulanda, GR Constantine, PC Karunananda, PK Amarasinghe, MMR Nishadi, APM Weerasinghe, IA Maharambe, SP Anthonis, C Senevirathna, R Kumarage, T Gangodawila, DR Samaraturunge, SS Madawanarachchi and BAVS Bamunuarachchi
24	Research in to history: Forensic aspect of the death of King Seethawaka Rajasinghe – Circumstances and cause of death - NDNA Mendis, RARP Susantha and YMKA Yapa
25	Dental fluorosis, drinking water and participant perspectives: A cross-sectional study among students of a national school in Anuradhapura - WIP Jayasundara, JGKD Jayawardena, MJF Jazla, BMS Karunathilaka, JACN Karunathilaka, DMR Kaushalya and D Rathish

Content

Page

26

Serum Calcium & Bone specific Alkaline Phosphatse in Lumbar Disc Herniation and Degeneration
ND Withanage, S Perera, H Peiris and LV Athiththan

27

A study to compare the prevalence of anaemia in Chronic Kidney Disease of uncertain etiology (CKD-u) patients in Girandurukotte and Wilgamuwa with Chronic Kidney Disease (CKD) patients in Kandy
WBNT Fernando, RMPM Rathnayake, HTK Abeysundara, Z Badurdeen and N Nanayakkara

28

Urinary biomarkers KIM-1 and NGAL may predict Chronic Kidney Disease of uncertain etiology (CKDu) among Sugarcane farmers in Sri Lanka - EMDV Ekanayake, KSM Abdul, WAKG Thakshila, MAGD Samanmali, SS Jayasinghe, EPS Chandana, C Jayasumana, SH Siribaddana and PMCS De Silva

29

Health seeking behaviour and non-communicable diseases: Men over 40 years of age in Colombo district
APHS Jayarathne and IS Samarakoon

30

Factors contributing to the stress in school Environment among adolescents in colombo district sri lanka
LS Kaththiriarachchi, DC Hewage, SW Wimalasekera, R Rajan and ALS Mendis

31

Knowledge and attitude on child psychiatric disorders in Sri Lankan parents attended to outpatient department of a tertiary care center - D Rupasinghe, N Liyanage, MFSP Seneviratne and THR Samanmalee

32

Evaluation of Structure and Content of Forensic Psychiatric Reports (FPR) at Forensic Psychiatry Unit, National Institute of Mental Health (NIMH), Sri Lanka - CTK Fernando, GU Rambukwella, LNP Samarsinghe, MP Kumbukage, TDJB Kamalathne and NFJ Fernando

33

An unusual form of complex suicide
SAC Nandasiri, P Senarath and SR Hulathduwa

34

Knowledge and current practices of breaking bad news among junior doctors in a group of hospitals in Colombo - NT Weerasinghe, IGPW Weerasinghe, T Vidanagamachchi and D Fernando

35

Antibiotic susceptibility pattern of the S. aureus isolates at a Tertiary Care Hospital
FS Awos, H Abeygoonawardena, HMS Karunaratne, NS Chandrasiri and NP Senanayake

36

Antifungal sensitivity profile of Fusarium spp. resulting keratitits
LSM Sigera, PI Jayasekera, ULF Shabry and MAI Malkanthi

37

Inducible Clindamycin Resistance in Staphylococci: Should Clinicians and Microbiologists be Concerned?
FS Sally, H Abeygoonawarden, HMS Karunaratne, NS Chandrasiri and NP Senanayake

38

Identification Of Peptide Markers For Specific Diagnosis Of Japanese Encephalitis
PD Pushpakumara, JM KC Jeewandara, GN Malavige and CL Goonasekara

39

Knowledge, Attitude and Practice towards common adult eye disorders among over 40 years patients attending to Medicine and Surgical clinics of the National Hospital-Sri Lanka.
MHDM Karunasiri, C Karunaratne and KC Karunasena

40

Association of bio-impedance analysis and somatotyping among healthy rural male and female populations - RGL Rathnayake, UPK Hettiaratchi and PPR Perera

FACTORS CONTRIBUTING TO THE STRESS IN SCHOOL ENVIRONMENT AMONG ADOLESCENTS IN COLOMBO DISTRICT SRI LANKA

L S Kaththiriarachchi ^{1#}, D C Hewage ², S W Wimalasekera ²,
R Rajan ³, A L S Mendis ⁴

¹Division of Physiology, Department of Pre-clinical Sciences, Faculty of Medicine, General Sir John Kotelawala Defence University, Rathmalana, Sri Lanka; ²Department of Physiology, Faculty of Medical Sciences, University of Sri Jayewardenepura, Nugegoda, Sri Lanka ³Department of Physiology, Monash University, Melbourne, Victoria, Australia

⁴Department of Physiology, Faculty of Medicine, University of Ruhuna, Galle, Sri Lanka
lasakamd@gmail.com

Adolescents are often subjected to stress associated with psychosocial adversities at home and at school. The Adolescent Stress Questionnaire (ASQ; Byrne et al., 2007) has been used to assess the stress level in adolescents in many countries in the world. For the first time, this tool was used in government schools in Colombo District in this study to determine the stress among adolescents in school environment. A descriptive cross-sectional study was conducted on students aged 14 to 16 years (n=104; mean age 15.3 years \pm 0.50 SD; 53% female). ASQ was validated into Sinhala Language using the Delphi technique. Baseline data was obtained and ASQ was self-administered. Stress related to school performance was assessed by assessing the perception of having to study things that adolescent does not understand, expectations of teachers from adolescents, having to keep up with school work, difficulty of some subjects, having to concentrate for long during school hours, having to study of things that adolescents not interested in and the pressure of study. Stress due to school attendance was assessed with factors

related to waking up early morning, compulsory school attendance and stress of going to school. Subjects were divided into stressed (ASQ \geq 150) and non-stressed (ASQ<150) groups. Case control comparisons were made between the groups to determine stress factors. Factors relating to school performance; having to study things that adolescent does not understand (p=0.007), expectations of teachers (p=0.000), difficulty of some subjects (p=0.000), having to concentrate for long during school hours (p=0.000), having to study of things that adolescents not interested in (p=0.000) and the pressure of study (p=0.000) showed significant association. Waking up early morning (p = 0.021) showed a significance association to stress. Nearly 37 % was stressed in relation to school performance and school attendance. School performance and school attendance significantly contributed to stress among adolescents at school. It is recommended that the implementation of intervention is timely to address the identified stress factors.

Key words: adolescent, school performance, school attendance, stress