



ABSTRACTS

12TH INTERNATIONAL RESEARCH CONFERENCE

CHALLENGES TO HUMANKIND IN THE FACE OF NEW TECHNOLOGIES



11th - 12th September 2019

ided by the g Mothers

Comparison of Cognition between Obese and Lean Groups in Middle-Aged Adults; Results from Selected MOH Area, Colombo District, Sri Lanka

PK Ariyasinghe^{1#}, KPDR Kumara², HDD Alexander³, SAHL Senarathna⁴, KSM Kasthuri⁵, RDN Karunathilaka⁶ and SSP Warnakulasuriya⁷

1,2,3,4,5,6 Department of Nursing and Midwifery, Faculty of Allied Health Sciences, General Sir John Kotelawala Defense University, Sri Lanka Department of Clinical Sciences, Faculty of Nursing, University of Colombo, Sri Lanka #kpdruwankumara@gmail.com

fine lations of generalized obesity and Cognitive Function (CF) are not still clear in the Sri Lankan milekt. Therefore, the objective of this study was to determine the association between the of cognitive function and obesity among middle aged adults in the Homagama MOH area, mbo district, Sri Lanka. This descriptive cross sectional study was conducted with 166 middle **## adults of 50-60 yrs. The subjects were selected after screening their Body Mass Index (BMI)** they were grouped as obese (BMI - 27.5 Kg/m²) and lean (BMI - 18-23 Kg/m²) using simple sampling. CF was assessed via Validated Mini Mental State Examination (MMSE). Data inalyzed using Independent sample t test, Pearson correlation coefficient and Chi-square Version 23 and the significant level was taken as p < 0.05. The study sample consists of 83 and 83 lean subject categories while 50 % of the subjects were female. Mean age was 54.6 Mean BMI for lean and obese were 21.4[1.6] Kg/m² and 29.62.8] Kg/m² respectively. frantly lower mean values in MMSE in obese category for both males and females were when compared to the lean category (t [164] = 3.196, p < 0.05). There was a significant strength between BMI and MMSE categories ($X^2 = 5.537$, df = 1, p < 0.05). Moreover, there \blacksquare Equilicant negative correlation between MMSE and BMI (r = -0.250, p < 0.01). The study that the obese middle aged adults in the study sample had a poorer cognitive function to that of the lean subjects.

HMI, MMSE, Obese, Lean, Cognition, Middle age

icine, University of University of Jaffna,

ciency of the midwifein tion of postpartum llur MOH area in Jaline ered mothers who were onnaire. Bi variate 🛲 was 28.2 years and neduled four home 3 % were highly satisfied m were very satisfied a ne (86.0 %), impail d immunization of losses oostpartum exercise IIII nat given on physials ficance between man r of living child/shills made by midwiger This study showed rtum care provided by