

23/Feb/2017

Biostatistics statement

Name of Journal: World Journal of Cardiology

Manuscript Title: Inter-ethnic marriages and severity of coronary artery disease in men undergoing angiography: A multicenter study of Arabian Gulf States

Biostatistics statement: The statistical methods of this study were reviewed by Alawi A. Alsheikh-Ali, MD, MSc; Dean, College of Medicine, Mohammed Bin Rashid University of Medicine and Health Sciences, Dubai 505055, UAE, Institute of Cardiac Sciences, Sheikh Khalifa Medical City, Abu Dhabi 51900, UAE

Statistical analysis: Standard summary statistics were used to describe the cohort. Continuous variables are presented as mean \pm standard deviation and were compared across multiple groups using the analysis of variance test. Categorical variables are presented as percentages and compared using the Chi-square test. The associations between inter-ethnic or intra-ethnic marriage and CAD, MVD and LMD were assessed using logistic regression models and quantified with odds ratios. Adjusted regression models included the following explanatory variables: age, community setting (urban versus rural), employment, income level, education level, number of concurrent wives, and additional variables that differed by ethnicity of spouse in univariate comparisons ($p < 0.1$). All statistical tests were two-tailed and significance was defined as $p < 0.05$. No adjustments for multiple comparisons were made.

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