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**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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