

BIostatistics STATEMENT

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO:

Manuscript Type: ORIGINAL ARTICLE

Title: Epidemiology and natural history of Wilson's disease in the Chinese: A territory-based study in Hong Kong between 2000 and 2016

Authors: Ka-Shing Cheung, MBBS, MPH;¹ Wai-Kay Seto, MD;^{1,2} James Fung, MD;^{1,2} Lung-Yi Mak, MBBS;¹ Ching-Lung Lai, MD;^{1,2} Man-Fung Yuen, MD, PhD^{1,2}

¹Department of Medicine, The University of Hong Kong, Queen Mary Hospital, Hong Kong

²State Key Laboratory for Liver Research, The University of Hong Kong, Hong Kong

Correspondence to: Prof. Man-Fung Yuen, Department of Medicine, The University of Hong Kong

Queen Mary Hospital, Pokfulam Road, Hong Kong

E mail: mfyuen@hkucc.hku.hk Fax: 852 28162863 Tel: 852 22553984

Biostatistics statement:

All statistical analyses were performed using R version 3.2.3 (R Foundation for Statistical Computing) statistical software. Continuous variables were expressed as median and interquartile range (IQR). Mann-Whitney U-test was used to compare continuous variables between two groups. Chi-square test or Fisher's exact test when appropriate, was applied for comparing categorical variables. The incidence rate and prevalence of Wilson's disease between 2000 and 2016 were calculated. Evaluation of the count data and temporal trends was assessed by Poisson regression model. Cox proportional hazards model was used to identify variables that were associated with adverse outcomes. Kaplan-Meier method was used to analyze the adverse outcomes, and statistical significance was determined by log-rank test. A p-value of less than 0.05 was considered as statistically significant.

Name: Ka Shing Cheung

Date: 28.07.2017