

# **Survival effect of colorectal cancer screening**

KC Gary Chan

*Department of Biostatistics, University of Washington, U.S.A.*

## **Abstract**

Colorectal cancer is the third common cause and the second leading cause of cancer deaths worldwide, but it is also one of the most preventable and treatable cancers if detected early. However, the age to recommend colorectal cancer screening has been highly controversial. Using a potential outcomes framework and data collected from the Womens Health Initiative screening study, we discuss some estimands of possible interest, assumptions needed for identification, and a model-assisted estimator based on multistate models. This is a joint work with Yi Xiong, Li Hsu and Malka Gorfine.