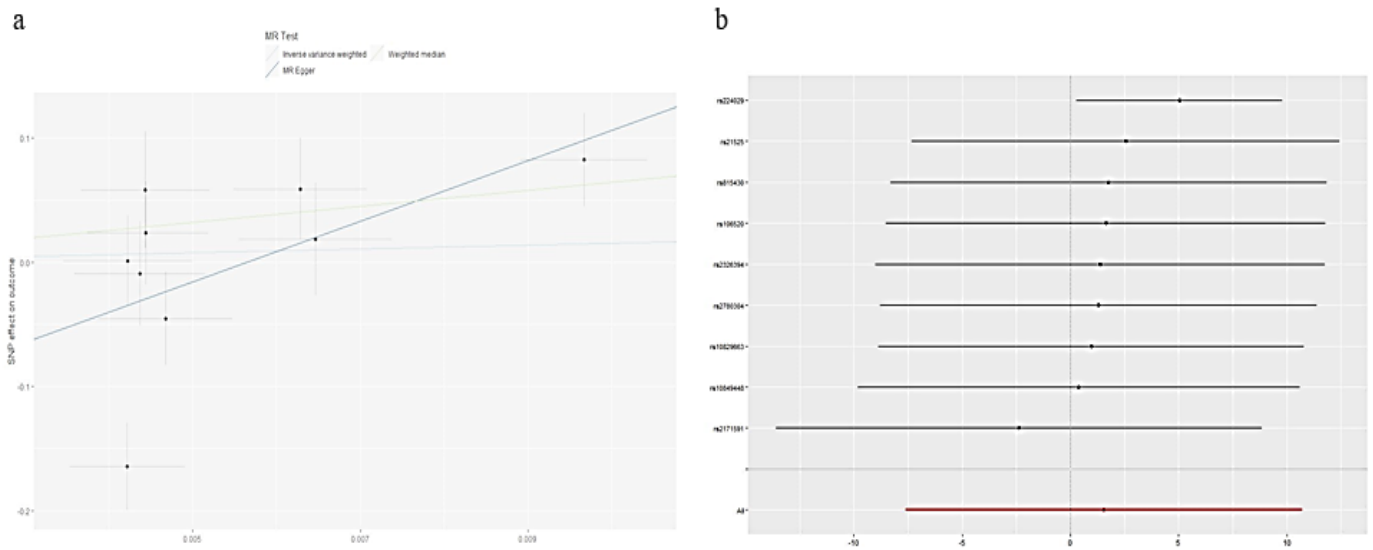


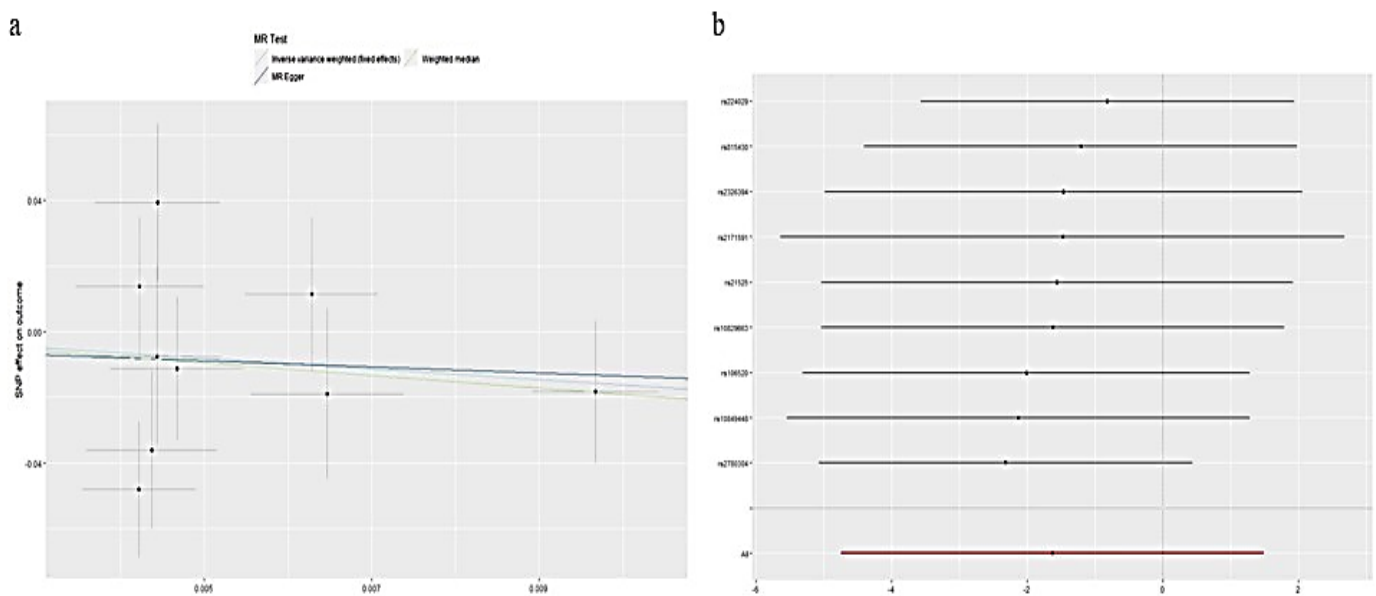
# The Causal Effects of Appendectomy on Immune Bowel Disease and Digestive Cancers: A Two-sample Mendelian Randomization Study

Junyu Huang<sup>1</sup>, Zan Liu<sup>2\*</sup>

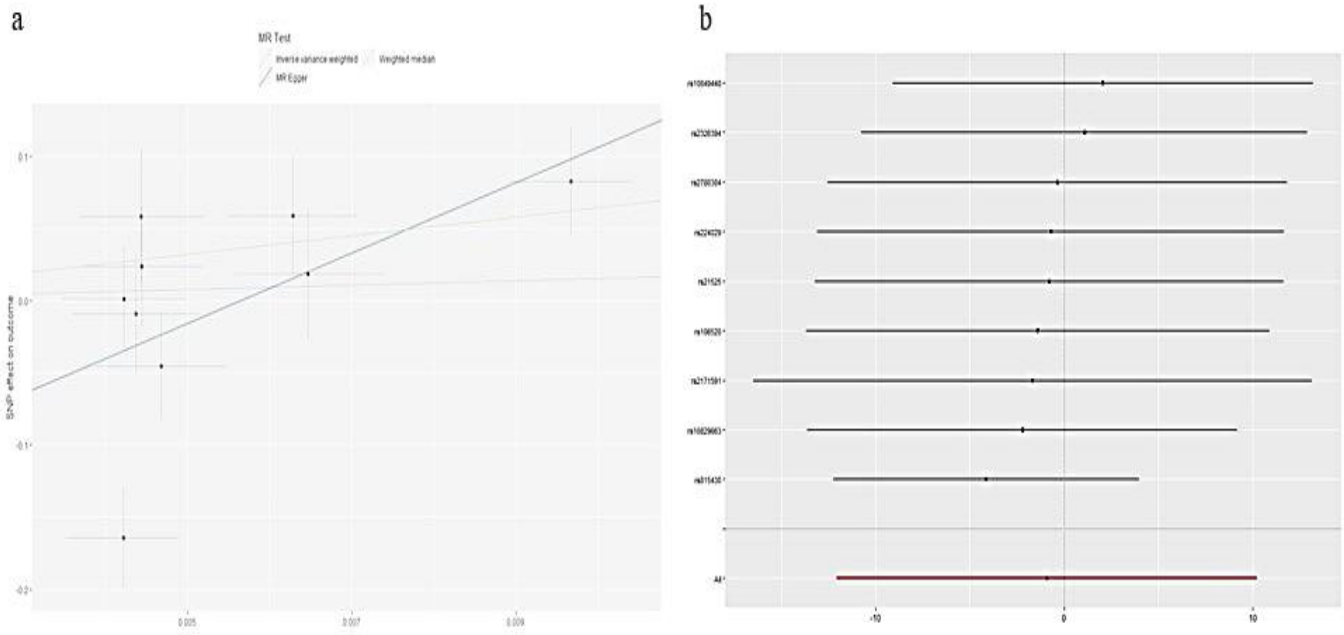
## Supplementary Description



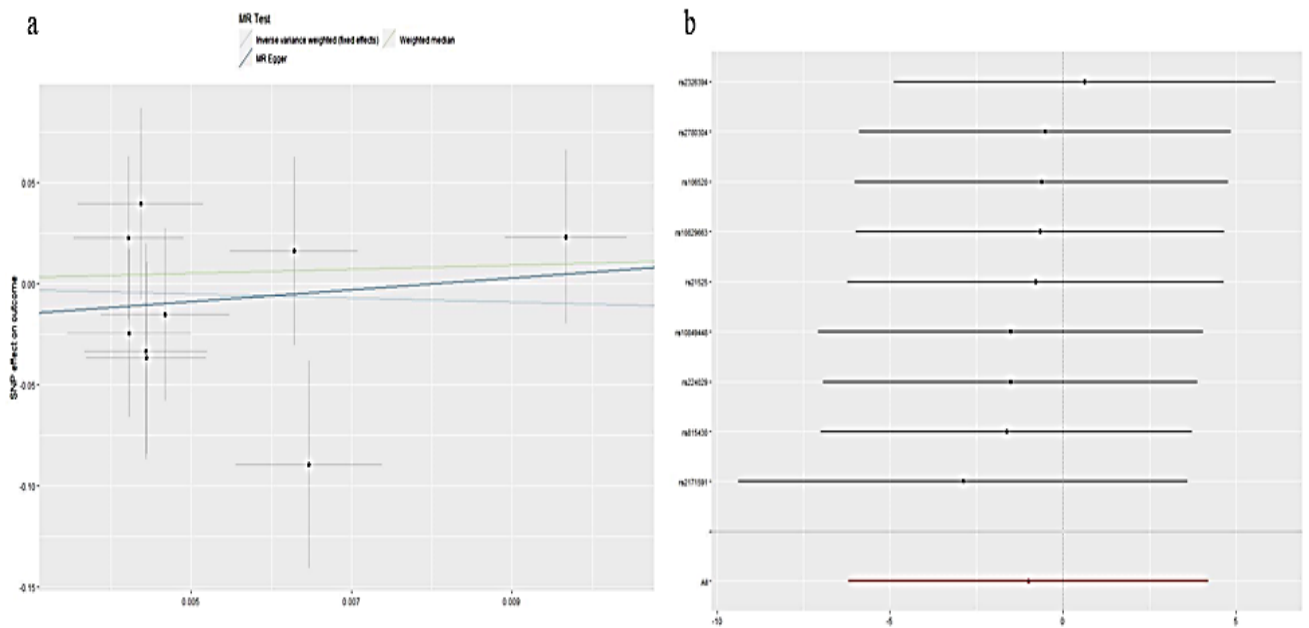
**Figure S1:** Scatter plot and leave-one-out plot of the estimated effect of appendectomy on risk of crohn's disease. (a) scatter plot; (b) leave-one-out plot.



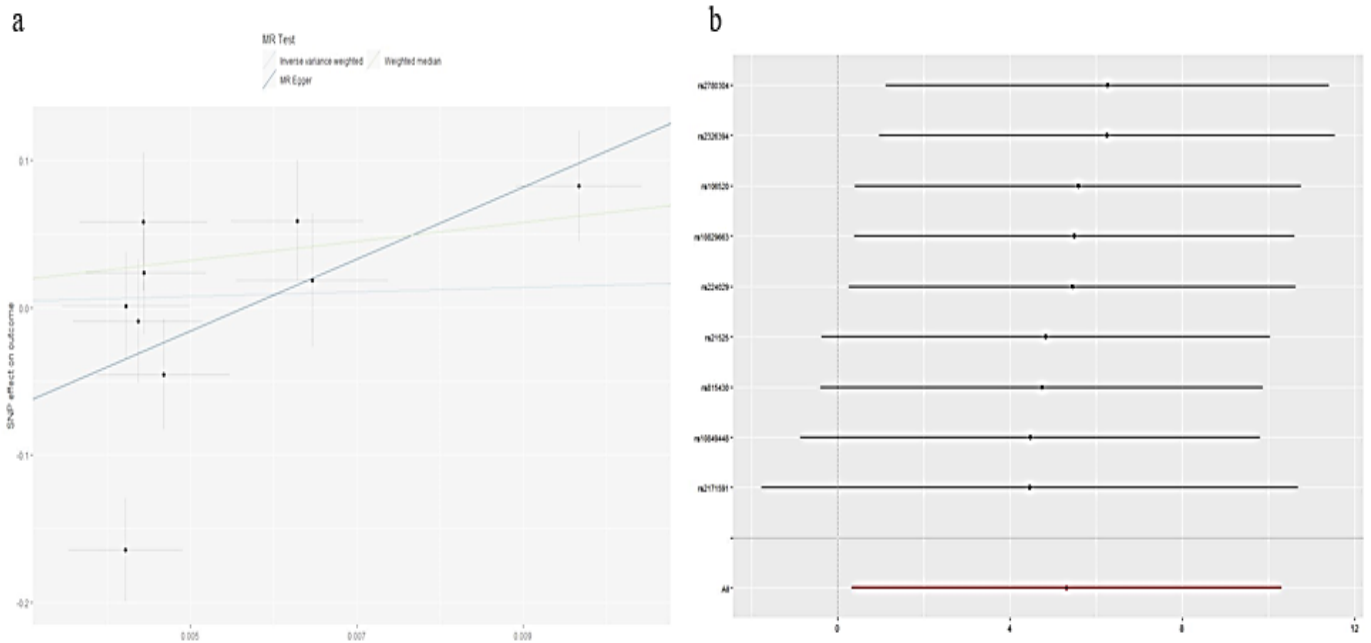
**Figure S2:** Scatter plot and leave-one-out plot of the estimated effect of appendectomy on risk of ulcerative colitis. (a) scatter plot; (b) leave-one-out plot.



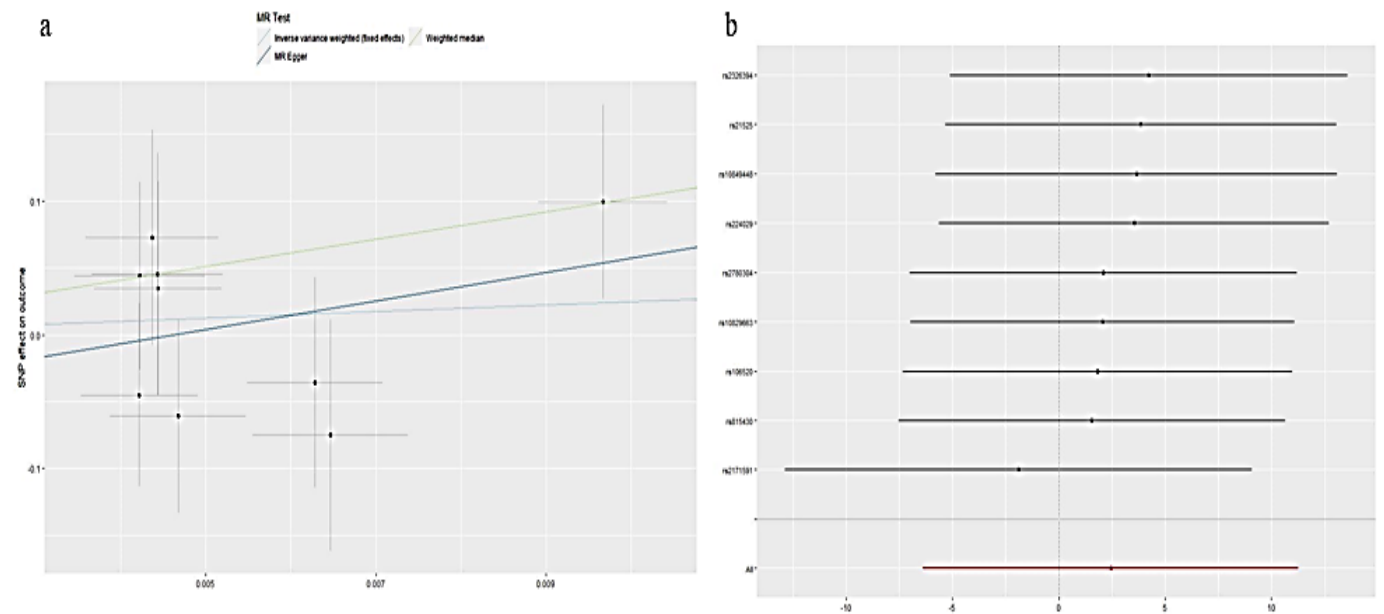
**Figure S3:** Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of esophagus cancer. (a) scatter plot; (b) leave-one-out plot.



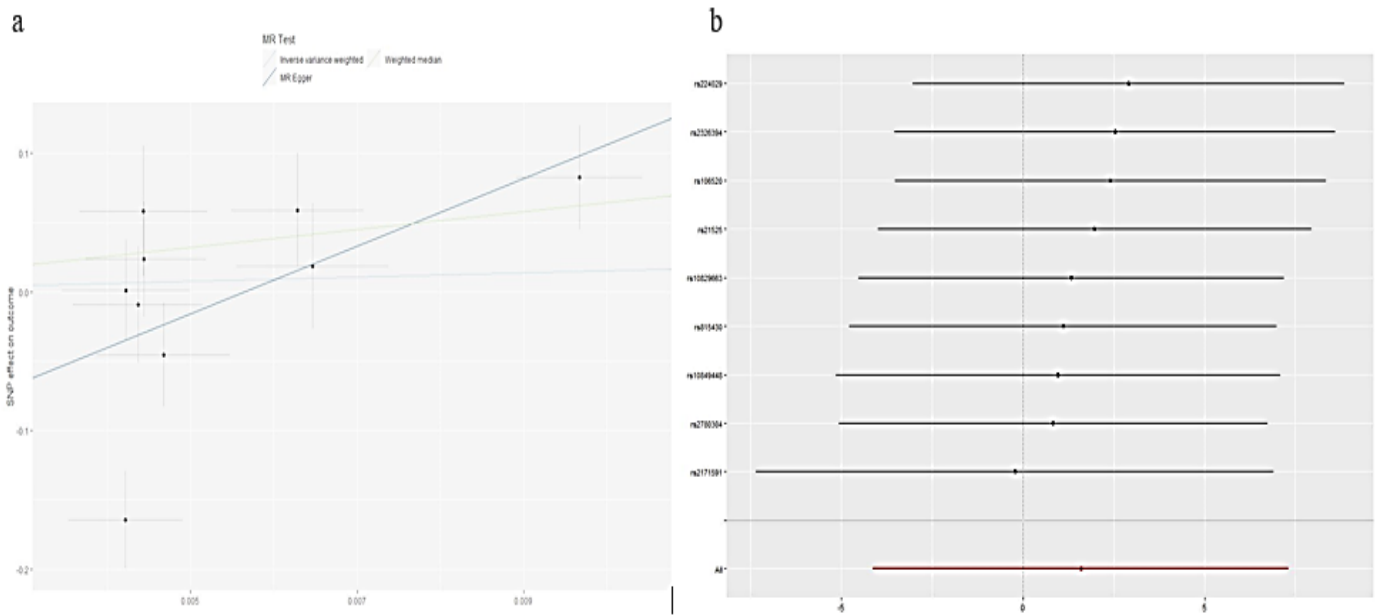
**Figure S4:** Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of gastric cancer. (a) scatter plot; (b) leave-one-out plot.



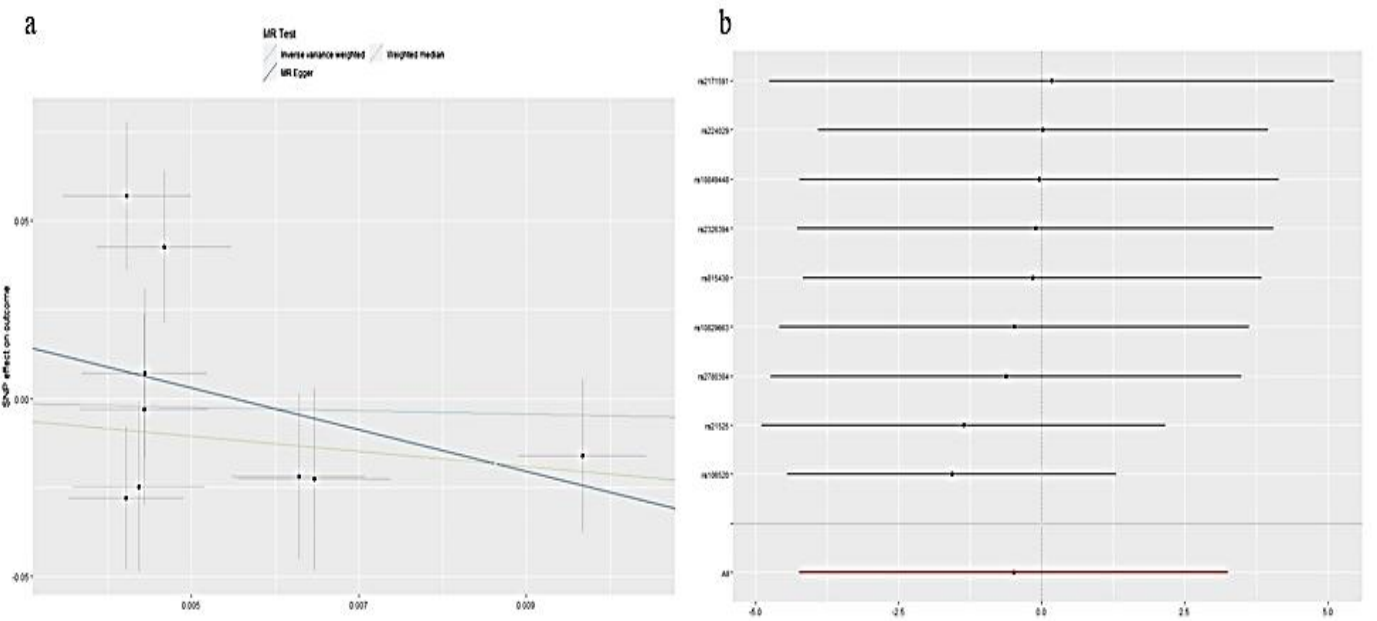
**Figure S5:** Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of pancreatic cancer. (a) scatter plot; (b) leave-one-out plot



**Figure S6:** Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of liver cancer. (a) scatter plot; (b) leave-one-out plot.



**Figure S7:** Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of biliary tract cancer. (a) scatter plot; (b) leave-one-out plot.



**Figure S8:** Scatter plot and leave-one-out plot of the estimated effect of appendicectomy on risk of colorectal cancer. (a) scatter plot; (b) leave-one-out plot.