Author’s response to reviews

Title: Association of ABO Polymorphisms and Pancreatic Cancer/ Cardiocerebrovascular Disease: a Meta-analysis

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Responses to the Comments of Editor on MGTC-D-19-00540R1:

Editor Comments:

Some of your response to the reviewer's question " justify why investigating both Cancer and Cardiocerebrovascular disease as they usually don't share pathological mechanisms" should be included in the manuscript, especially ref (5), in the introduction or discussion section.

Response: We thank the editor for the constructive comments. Following the editor’s suggestion, we have added and modified the statement in background part (lines 2-8, page4) in the revised manuscript. As follows: “The incidence of cancer and cardiovascular disease increases with age and both of them are related to inflammation and thrombosis et al. [1, 2]. Epidemiological studies have demonstrated that ABO blood groups were associated with several chronic inflammation related diseases, including cancers and cardiocerebrovascular diseases [3-5]. Although a possible common pathogenic mechanism involving the von Willebrand factor between ABO blood group system and cancer/cardiovascular disease has been discussed [6], the relationship between histoblood group antigens and inflammation related diseases remains unknown and the regulatory mechanisms underlying ABO expression was still unclear.”. Thank you for helping us to improve the quality of our manuscript.