Author's response to reviews

Title: Risk of cancer among HIV-infected patients from a population-based retrospective cohort study: implications for cancer prevention

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Author's response to reviews:

Dear Editor of BMC Cancer:

We are pleased to re-submit our manuscript entitled: “Risk of cancer in HIV-infected patients from a population based study: implications for cancer prevention” according to the suggestions by BMC Infectious Diseases (MS ID: 1760697677128194). This manuscript is submitted for your consideration for publication in the BMC Cancer. This is a retrospective cohort study based on a nationwide population-database to examine the risk for cancer developing among patients with HIV infection. Logistic regression analyses were performed and simultaneously adjusted for potential confounders (such as age, sex, monthly income, urbanization, and modified Charlson score) to evaluate the independent risk of cancer with HIV infection. We calculated the overall and sex-specific standardized incidence ratios (SIR) to investigate the pattern of cancer risk and overall cancer risk in the patients with HIV infection.

We found that patients with HIV infection had a significantly higher risk of developing cancer compared with patients without HIV infection, especially non-Hodgkin lymphoma, cervical cancer, lymphoma, and respiratory and intrathoracic cancer compared with the control group. In addition, HIV-infected patients were at significant risk for renal, oral cancer, breast cancer, liver cancer, skin cancer, and colorectal cancer. However, patients with HIV infection should still undergo regular screenings for cancer based on the recommendations for the general population. Moreover, specific screening guidelines for cancer should be established for patients with HIV infection to increase their quality of life and life span.

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inception to published article.

Chang-Hua Chen contributed to the conception and design of the work, drafting the article, revising it critically for important intellectual content and final approval of the version to be published. Chih-Yuan Chung contributed to interpretation of data, revising the article critically for important intellectual content and final approval of the version to be published. Li-Hsuan Wang contributed to the analysis of data, revising it critically for important intellectual content, and final approval of the version to be published. Hsiu-Li Lin contributed to the acquisition and analysis of data, revising it critically for important intellectual content, and final approval of the version to be published. Che Lin contributed to the analysis of data, drafting the article, and final approval of the version to be published. Hsiu-Chen Lin performed the study design and conception of the work, completed the analysis, revising it critically for important intellectual content and correspond for final approval of the version to be published. All authors have disclosed any potential competing financial interests regarding the submitted article.

All authors have read the manuscript and approved the final version for submission to BMC Cancer and they accept responsibility for the manuscript's contents. This manuscript has been edited by native English-speaking experts of Editage, a division of Cactus Communications.

Please address all correspondences related to this article to me.

Thanks for your attention.

Sincerely yours,

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