

PEER-REVIEW REPORT

Name of journal: World Journal of Methodology

Manuscript NO: 62606

Title: EPIDEMIOLOGICAL LINK BETWEEN OBESITY, TYPE 2 DIABETES MELLITUS AND CANCER

Reviewer's code: 03766000

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Research Assistant Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United Kingdom

Manuscript submission date: 2021-01-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-01-14 01:32

Reviewer performed review: 2021-01-20 06:40

Review time: 6 Days and 5 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

This review by Cornelius J Fernandez et al summarized the recent progress in the epidemiological findings between obesity, type 2 diabetes mellitus and cancer, and the potential pathophysiological mechanisms linking obesity and diabetes to cancer, including IR/IGF-R signalling, ER α /cytokine/ROS, WAT remodelling, hypoxia and angiogenesis, oxidative stress and so on. However, this review summarized the association of obesity, diabetes and cancer, instead of digestive system cancer, which did not meet the scope of the journal. Authors should focus on the digestive system related cancers.

PEER-REVIEW REPORT

Name of journal: World Journal of Methodology

Manuscript NO: 62606

Title: EPIDEMIOLOGICAL LINK BETWEEN OBESITY, TYPE 2 DIABETES MELLITUS AND CANCER

Reviewer's code: 00057684

Position: Editorial Board

Academic degree: PhD

Professional title: Academic Research

Reviewer's Country/Territory: Canada

Author's Country/Territory: United Kingdom

Manuscript submission date: 2021-01-13

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-01-29 18:52

Reviewer performed review: 2021-01-30 23:25

Review time: 1 Day and 4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The reviewed manuscript, Epidemiological Link Between Obesity, Type 2 Diabetes Mellitus and Cancer, aimed to present a critical survey of current relevant to topic literature and synthesize with contemporary thinking to give a new perspective. The manuscript starts with reviewing epidemiological studies of obesity and diabetes to cancer and shows pathophysiological mechanisms such as IR/IGF-R and ER α /cytokine/ROS signalling pathways in the condition of hyperinsulinemia. The manuscript has recapitulated the role of adipose tissue influence on hypoxia and its consequences on oxidative stress, DNA damage, tumour angiogenesis, and inflammatory system. The Wnt/ β -catenin, MAPK, PI3K, AMPK and mTOR signalling pathways were presented as therapeutic targets in patients with diabetes mellitus. The reviewed manuscript provides organized, analyzed balance views of critical points related to the topic. The manuscript needs the following revision. a. A clear explanation of terms at the beginning of each section b. Minor grammatical and spelling

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Methodology

Manuscript NO: 62606

Title: EPIDEMIOLOGICAL LINK BETWEEN OBESITY, TYPE 2 DIABETES MELLITUS AND CANCER

Reviewer's code: 00057684

Position: Editorial Board

Academic degree: PhD

Professional title: Academic Research

Reviewer's Country/Territory: Canada

Author's Country/Territory: United Kingdom

Manuscript submission date: 2021-01-13

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2021-03-03 02:28

Reviewer performed review: 2021-03-04 07:57

Review time: 1 Day and 5 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS



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Thank you for the modifications. The authors of the manuscript fulfilled the requested modifications