Baishideng Publishing Group

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 65181

Title: Relationship between Th17 immune response and cancer

Reviewer's code: 05925332

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2021-03-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-16 01:24

Reviewer performed review: 2021-04-19 02:59

Review time: 3 Days and 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

1. please polish the language of this manuscript. 2. Please use a table to show the detailed role of Th17 immune response in different types of tumors.

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Oncology

Manuscript NO: 65181

Title: Relationship between Th17 immune response and cancer

Reviewer's code: 05754827

Position: Peer Reviewer

Academic degree: PhD

Professional title: Deputy Director

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2021-03-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-15 02:30

Reviewer performed review: 2021-04-26 03:04

Review time: 11 Days

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

In current study, based on the facts, authors tried to established relationship between Cancers and Immune system through Th17 cells. Th17 cells are known to play roles in the immune response against microorganisms and in autoimmunity. They summarized the studies and emphasized the effects of Th17 in cancer pathogenesis. Th17 cells have been known to play immunizing role in urogenital, respiratory, gastrointestinal, and skin cancers. Although manuscript is nicely written and presented enough evidences of available literature but still need some modifications.   Following are my comments.

Major comments   1. Please avoid repetition, same or similar things repeated several time, like conversion of Th17 to Treg cells repeated many times. Authors should carefully look for all other repetitions and make consistency.   2. Please elaborate the conversion of Th17 cells to Treg cells, and how this conversion role in Cancers, is that only TGF-β control this conversion or trans-differentiation. Do you mean Treg17 cells? Please provide graphical presentation for this all mechanism, like Th17 covert to Treg which stimulate cancer, include all factors which involve. Please check if Th17 may always not convert to Treg, Treg directly produced by naive CD4+ cells, which show that Treg cells have essential function in preventing autoimmune diseases. It has been suggested that Treg can treat autoimmune diseases and cancers. Please elaborate how Th17 & Treg could be used in cancer treatment.   3. Please explain "IL17+ Foxp3+ T cells were associated with the formation of cancerous stem cells"   4. Are there other studies expect [96] showing inverse relationship between Tregs and Th17 cells in ovarian cancer ? make a comprehensive analysis for other cancers also.   5. Are there other sporting studies for relation of Th17 & Vitamin D3? explain bit more of this association. I guess patients with Osteoporosis would also have high Th17 as mostly caused by deficiency of Vit-D3. Could you add studies on Th17 role in bone cancers, make a special link if Vit-D3 studies available in certain cancer patients.   6. Please add future prospects of the

study, highlight the main areas which need more emphasis.   Minor comments   1. Please use same term Th17 or Th17 cells or Th17 cell? same for others like Treg cells, Also check if Th17 cell could be written like Th17 cells.   2. Some language & editing errors, some of them I mentioned below so authors need to revise entire manuscript carefully. also have remarkable participations   IL--17   Complementally   present less exhaustions markers   the Th17 profile plays controversy roles in the tumor immunity "controversial" induce this cell profile [140], this cell?   pro-angiogenesi, [152] ? Pevious animal model studies [161] inflammation-associayed skin cancer , In vitro analyzes demonstrated [163] "Analysis" Replace "auto renewal capacities" with "self renewal ability" "Cancerous stem cells (CSCs)" with "Cancer stem cells (CSCs)" "immunohistochemical analyzes" with "immunohistochemical analysis"