

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 81680

Title: Early-onset colorectal cancer: A review of current knowledge

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05654229

Position: Peer Reviewer

Academic degree: MD

Professional title: Chief Physician, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Portugal

Manuscript submission date: 2022-11-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-20 09:04

Reviewer performed review: 2022-11-21 03:51

Review time: 18 Hours

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 Grade E: Do not publish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



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

An excellent review. In this review the authors summarize the current evidence on epidemiological, clinical, histopathological and molecular features of EO-CRC and discuss the contribution of genetics and lifestyle risk factors. But as an innovative work, would you like to provide more evidence and research in young patients? I think this is the outstanding highlight.

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06350183

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Romania

Author's Country/Territory: Portugal

Manuscript submission date: 2022-11-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-22 00:59

Reviewer performed review: 2022-11-24 16:41

Review time: 2 Days and 15 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
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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

First, what are the original findings of this manuscript? What are the new hypotheses that this study proposed? The manuscript is a comprehensive literature review, including up-to-date research and relevant epi data. The title is well chosen and the abstract summarizes the most important ideas presented in the article. The authors included recent evidence on risk factors and disease features specific to early onset CRC, emphasizing on the impact on therapy approach and prognostic. Second, what are the quality and importance of this manuscript? What are the new findings of this study? The manuscript is well balanced and presents both established and controversial hypotheses, and completes the analysis with considerations about survival and screening, with a valuable discussion on specific considerations in the young- which will probably be appreciated by potential readership. Having a clear structure and written in good academic English, this article could raise interest from both clinicians and researchers in the field of digestive oncology. Third, what are the limitations of the study and its findings? What are the future directions of the topic described in this manuscript? The article points out that CRC in younger patients is increasing as incidence and it is becoming a growing public health issue. Although there is a wealth of available new data on CRC, the authors highlight some essential novel insights for clinicians: the fact that we often see more histological predictors of bad prognosis in younger CRC patients and also that new data on molecular and genetic features did not improved significantly the therapeutic arsenal used in EO-CRC.