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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 124864

Title: Burnout and endoscopy-specific workload among gastroenterologists and gastroenterology fellows in Türkiye: A national cross-sectional survey

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 08591435
Position: Peer Reviewer
Academic degree and professional title: MD
Reviewer's Country/Territory: China
Author's Country/Territory: Türkiye

Manuscript submission date: 2026-06-25

Reviewer chosen by: Jia-Lin Zhang

Reviewer accepted review: 2026-07-01 01:16

Reviewer performed review: 2026-07-02 01:55

Review time: 1 Day

Content to be reviewed	Does the research scope comply with ethics? **Yes** Are additional experiments needed for the study? **No** Will the manuscript's content be of interest to readers? **Yes** Do authors omit important references? **Yes** Are all references necessary and reasonable? **Yes** Is the Conclusion reasonable? **Yes** Is the content of the Discussion reasonable? **Yes** Do the selection and design of the figures and tables

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	follow the principles of necessity and clarity? **Yes** Are the quality and resolution of the images up to standard? **Yes** Are the experimental data of the Results true and reliable? **Yes** Are the experimental data presented in the manuscript's biostatistics content reliable? **Yes** Is the description of the experiments clear and complete? **Yes** Is the content of the Materials and Methods complete? **Yes** Is the content of the Introduction adequate? **No** Does the manuscript's content fall within the scope of the journal? **Yes** Have any concerns been identified in the AI detection report? **No** Have any new issues been identified in the iThenticate similarity report? **No**
Scientific quality	Grade B (Very good)
Novelty of this manuscript	Grade A (Excellent)
Creativity or innovation of this manuscript	Grade B (Very Good)
Scientific significance of the conclusion in this manuscript	Grade B (Very Good)
Language quality	Grade B (Very good)
Does this manuscript describe a study of the existing knowledge system?	Yes
Does this manuscript report a revolutionary innovation?	No

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Does this manuscript report an unconventional innovation?	Yes
Conclusion	Minor revision
Re-review	Yes
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No
Reviewer's AI contribution statement	The reviewer declares that no AI tools were used in the peer review process of this manuscript and take full responsibility for the accuracy of the review, confidentiality of the manuscript, and ethical integrity of the peer review process.

SPECIFIC COMMENTS TO AUTHORS

This manuscript addresses an important and timely occupational health issue in gastroenterology. The focus on endoscopy-specific workload is valuable, and the use of the Copenhagen Burnout Inventory strengthens the study. I recommend minor revision before publication.

The Abstract is generally clear, but the prevalence figures should be framed even more cautiously. Because recruitment relied on professional networks and snowball sampling, the results should be presented as burnout levels among respondents rather than national prevalence estimates.

In the Introduction, the authors could better justify why endoscopy creates a distinct workload burden compared with general outpatient work. When discussing the cognitive and technical demands of lesion recognition, risk stratification, and therapeutic decision-making, a recent relevant source could be cited (PMID: 41399219).

The Introduction would benefit from a clearer statement of the knowledge gap. The authors should explicitly distinguish between general physician burnout literature and

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the narrower question of procedure-specific workload, emergency endoscopy, list overruns, and unit staffing.

The recruitment process should be described in more operational detail. Please clarify how many physicians were contacted through each channel, whether duplicate responses were prevented, and whether IP checks, email verification, or other safeguards were used.

The manuscript should clarify whether fellows and specialists differed in exposure to on-call duty, endoscopy volume, and public-sector obligations. These differences may partly explain burnout patterns and should be considered in subgroup interpretation.

The purpose-designed endoscopy workload module is useful, but its development should be reported more transparently. The authors should provide the full questionnaire as supplementary material and describe how item wording was refined after pilot testing.

The analysis would be strengthened by distinguishing diagnostic, therapeutic, and advanced endoscopic procedures where possible. Procedure volume alone may not capture complexity, duration, or physical/cognitive load; this point is especially relevant when interpreting workload burden in therapeutic endoscopy (PMID: 39467805).

The choice of personal burnout as the main binary outcome is reasonable, but the rationale should be expanded. Since work-related burnout is also central to occupational exposure, the authors should briefly explain whether similar models were explored for other CBI domains.

The logistic regression model is clinically informative, but more detail is needed regarding variable selection, collinearity assessment, and model calibration. Reporting variance inflation factors or another collinearity diagnostic would improve transparency.

The authors should avoid causal language throughout the Results and Discussion. The cross-sectional design supports associations, not proof that specific workload factors

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caused burnout.

The Discussion appropriately emphasizes modifiable organizational factors, but the proposed interventions could be made more concrete. For example, the authors could discuss protected recovery time after emergency endoscopy, caps on consecutive on-call duties, better nursing support, and protected administrative time.

When discussing fellows and early-career physicians, the authors could connect their findings to broader evidence that procedural exposure, administrative workload, and perceived free time shape training experience in procedure-based specialties (PMID: 41681108).

The limitations section is balanced, but one additional limitation should be added: physicians experiencing burnout may have been more motivated to complete the survey, which may inflate descriptive burnout estimates and strengthen perceived workload associations.

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Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 124864

Title: Burnout and endoscopy-specific workload among gastroenterologists and gastroenterology fellows in Türkiye: A national cross-sectional survey

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 09018064
Position: Peer Reviewer
Academic degree and professional title: Assistant Professor
Reviewer's Country/Territory: China
Author's Country/Territory: Türkiye

Manuscript submission date: 2026-06-25

Reviewer chosen by: Jia-Lin Zhang

Reviewer accepted review: 2026-07-01 00:05

Reviewer performed review: 2026-07-03 01:17

Review time: 2 Days and 1 Hour

Content to be reviewed	Does the research scope comply with ethics? **Yes** Are additional experiments needed for the study? **No** Will the manuscript's content be of interest to readers? **Yes** Do authors omit important references? **No** Are all references necessary and reasonable? **Yes** Is the Conclusion reasonable? **Yes** Is the content of the Discussion reasonable? **Yes** Do the selection and design of the figures and tables

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Scientific quality	Grade B (Very good)
Novelty of this manuscript	Grade B (Very Good)
Creativity or innovation of this manuscript	Grade B (Very Good)
Scientific significance of the conclusion in this manuscript	Grade B (Very Good)
Language quality	Grade B (Very good)
Does this manuscript describe a study of the existing knowledge system?	Yes
Does this manuscript report a revolutionary innovation?	Yes

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Does this manuscript report an unconventional innovation?	Yes
Conclusion	Major revision
Re-review	Yes
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No
Reviewer's AI contribution statement	The reviewer declares that no AI tools were used in the peer review process of this manuscript and take full responsibility for the accuracy of the review, confidentiality of the manuscript, and ethical integrity of the peer review process.

SPECIFIC COMMENTS TO AUTHORS

This manuscript addresses an important and timely issue: burnout among gastroenterologists and gastroenterology fellows in Turkey, with a specific focus on endoscopy-related workload factors. The topic is clinically relevant and has potential implications for workforce sustainability and organisational policy. The study combines a validated burnout instrument, the Copenhagen Burnout Inventory, with a purpose-designed endoscopy workload module, which allows the authors to examine specialty-specific exposures beyond general working hours.

Overall, the manuscript is clearly written and the main findings are potentially valuable. The results suggest high burnout scores among respondents and identify several modifiable workload-related factors, including frequent on-call shifts, out-of-hours endoscopy duty, high weekly endoscopic volume, inadequate staff support, and outpatient session burden. However, several methodological and reporting issues should be addressed before the manuscript can be considered for publication.

First, the recruitment strategy relied on professional networks and snowball sampling,

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and the eligible denominator could not be determined. Therefore, the reported burnout proportions should not be interpreted as unbiased national prevalence estimates. The authors appropriately acknowledge this limitation, but this point should be further emphasised in the Abstract, Discussion, and Conclusion.

Second, the Endoscopy Workload Module is a central component of the study, but its development and validation require more detailed reporting. The authors should provide the complete module, preferably as supplementary material, and clarify how item thresholds were selected and how each variable was coded. If formal content validity indices were not calculated, this should be explicitly stated.

Third, the multivariable logistic regression model requires greater transparency. The authors should report the full variable selection procedure, collinearity assessment, model fit indices, and the rationale for excluding or retaining candidate predictors. Given the high prevalence of the binary outcome, the authors should also consider whether odds ratios may overestimate the strength of associations, or provide sensitivity analyses using continuous burnout scores or alternative regression approaches.

Fourth, the use of the CBI ≥50 threshold should be discussed more cautiously, as the authors note that this cut-off has not been specifically validated among Turkish gastroenterologists. The phrase “clinically relevant burnout” should be used carefully, and continuous score analyses should be highlighted.

Finally, several formatting and typographical issues should be corrected, especially misplaced inequality symbols such as “6 ≥ monthly on-call shifts” and “score 50 ≥”. Tables and figure legends should also be carefully checked for readability and consistency.

In conclusion, this is a promising manuscript with a meaningful research question and useful findings. I recommend major revision, with particular attention to sampling limitations, clearer reporting of the workload module, improved regression transparency,

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cautious interpretation of prevalence and causality, and correction of formatting issues.

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RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 124864

Title: Burnout and endoscopy-specific workload among gastroenterologists and gastroenterology fellows in Türkiye: A national cross-sectional survey

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 08591435
Position: Peer Reviewer
Academic degree and professional title: MD
Reviewer's Country/Territory: China
Author's Country/Territory: Türkiye

Manuscript submission date: 2026-06-25

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2026-07-10 05:53

Reviewer performed review: 2026-07-10 11:48

Review time: 5 Hours

Content to be reviewed	Have any new issues been identified in the iThenticate similarity report? **No** Have any concerns been identified in the AI detection report? **No** Does the manuscript's content fall within the scope of the journal? **Yes** Is the content of the Introduction adequate? **Yes** Is the content of the Materials and Methods complete? **Yes**

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	Is the description of the experiments clear and complete? **Yes** Are the experimental data presented in the manuscript's biostatistics content reliable? **Yes** Are the experimental data of the Results true and reliable? **Yes** Are the quality and resolution of the images up to standard? **Yes** Do the selection and design of the figures and tables follow the principles of necessity and clarity? **Yes** Is the content of the Discussion reasonable? **Yes** Is the Conclusion reasonable? **Yes** Are all references necessary and reasonable? **Yes** Do authors omit important references? **Yes** Will the manuscript's content be of interest to readers? **Yes** Are additional experiments needed for the study? **No** Does the research scope comply with ethics? **Yes**
Scientific quality	Grade B (Very good)
Novelty of this manuscript	Grade B (Very Good)
Creativity or innovation of this manuscript	Grade B (Very Good)
Scientific significance of the conclusion in this manuscript	Grade B (Very Good)
Language quality	Grade B (Very good)
Does this manuscript describe a study of the existing knowledge system?	Yes
Does this manuscript report a revolutionary innovation?	No

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Does this manuscript report an unconventional innovation?	Yes
Conclusion	Accept
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No
Are your review comments generated by AI tools?	The reviewer declares that no AI tools were used in the peer review process of this manuscript and take full responsibility for the accuracy of the review, confidentiality of the manuscript, and ethical integrity of the peer review process.

SPECIFIC COMMENTS TO AUTHORS

I have reviewed the revised manuscript and the authors' point-by-point response to my previous comments. The authors have been diligent in addressing all the issues raised during the initial review.

I have no further comments and believe the manuscript is now suitable for publication. I recommend acceptance.

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RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Gastroenterology*

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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 09018064
Position: Peer Reviewer
Academic degree and professional title: Assistant Professor
Reviewer's Country/Territory: China
Author's Country/Territory: Türkiye

Manuscript submission date: 2026-06-25

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2026-07-10 02:41

Reviewer performed review: 2026-07-10 12:29

Review time: 9 Hours

Content to be reviewed	Does the research scope comply with ethics? **Yes** Are additional experiments needed for the study? **No** Will the manuscript's content be of interest to readers? **Yes** Do authors omit important references? **No** Are all references necessary and reasonable? **Yes** Is the Conclusion reasonable? **Yes** Is the content of the Discussion reasonable? **Yes** Do the selection and design of the figures and tables

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Scientific quality	Grade A (Excellent)
Novelty of this manuscript	Grade B (Very Good)
Creativity or innovation of this manuscript	Grade B (Very Good)
Scientific significance of the conclusion in this manuscript	Grade A (Excellent)
Language quality	Grade B (Very good)
Does this manuscript describe a study of the existing knowledge system?	Yes
Does this manuscript report a revolutionary innovation?	Yes

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Does this manuscript report an unconventional innovation?	Yes
Conclusion	Accept
Peer-reviewer statements	Peer-Review: Anonymous
	Conflicts-of-Interest: No
Are your review comments generated by AI tools?	The reviewer declares that no AI tools were used in the peer review process of this manuscript and take full responsibility for the accuracy of the review, confidentiality of the manuscript, and ethical integrity of the peer review process.

SPECIFIC COMMENTS TO AUTHORS

OK.