Canadian Medical Education Journal

Reviewers' views on the editorial review processes of the Canadian Medical Education Journal Points de vue des évaluateurs sur les processus de révision éditoriale de la Revue canadienne d'éducation médicale

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Published ahead of issue: Jan 27, 2025. CMEJ 2025 Available at https://doi.org/10.36834/cmej.77193

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Abstract

Background: Peer review is an integral part of the scientific process, ongoing efforts are needed to improve this process for both the reviewer and the scientific journal conducting peer review. This work describes the Canadian Medical Education Journal (CMEJ) peer reviewers' experiences in accepting or declining invitations to review.

Methods: We deployed questionnaires between December 2020 and May 2022. We calculated descriptive statistics for each response group (accepted or declined invitations). We analyzed open-ended comments using conventional content analysis.

Results: CMEJ Reviewers described their experiences within three broad categories of factors: individual, contextual, and journal. Participants strongly agreed or agreed to review an article (n = 95) because the article was: within their area of expertise (84/95 = 88.4%); within a topic of interest (n = 83, 87.4%); an appropriate length (n = 79, 83.2%); relevant to their work and/or interests (n =77, 81.1%); of sufficient quality (n = 75, 78.9%); educational (n = 72, 75.8%); and provided the opportunity to remain up-to-date on current research (n = 69, 72.6%). Participants' (n = 17) most cited reason for declining their invitation to review for CMEJ was competing workloads (n = 14, 82.4%). Reviewers appreciated reviewer instructions, knowing the article's outcome, and seeing what other reviewers had to say.

Conclusion: This work describes the enablers and barriers of CMEJ reviewers and highlights the need to acknowledge peer reviewers' work, while challenging institutions and journals to support peer review activities.

Résumé

Contexte : L'évaluation par les pairs fait partie intégrante du processus scientifique. Des efforts continus sont nécessaires pour améliorer ce processus, tant pour l'évaluateur que pour la revue scientifique qui procède à l'évaluation par les pairs. Ce travail décrit les expériences des réviseurs de la Revue canadienne d'éducation médicale (CMEJ) qui acceptent ou refusent les invitations à évaluer.

Méthodes : Nous avons déployé des questionnaires entre décembre 2020 et mai 2022. Nous avons calculé des statistiques descriptives pour chaque groupe de réponse (invitations acceptées ou refusées). Nous avons analysé les commentaires à l'aide d'une analyse de contenu conventionnelle.

Résultats: Les évaluateurs de la CMEJ ont décrit leurs expériences dans trois grandes catégories de facteurs : individuels, contextuels et journaliers. Les participants étaient tout à fait d'accord ou d'accord pour réviser un article (n = 95) parce que l'article était : dans leur domaine d'expertise (84/95 = 88,4 %); dans un sujet d'intérêt (n = 83, 87,4 %); d'une longueur appropriée (n = 79, 83,2 %); pertinent pour leur travail et/ou leurs intérêts (n = 77, 81,1 %); de qualité suffisante (n = 75, 78,9 %); éducatif (n = 72, 75,8 %) et offrait l'occasion de rester à jour sur la recherche actuelle (n = 69, 72,6 %). La raison la plus souvent invoquée par les participants (n = 17) pour décliner leur invitation à procéder à une évaluation pour la CMEJ était une charge de travail concurrente (n = 14, 82,4 %). Les évaluateurs ont apprécié les instructions des évaluateurs, le fait de connaître le résultat de l'article et de voir ce que les autres évaluateurs avaient à dire.

Conclusion : Ce travail décrit les facilitateurs et les obstacles rencontrés par les évaluateurs de la CMEJ et souligne la nécessité de reconnaître le travail des évaluateurs, tout en incitant les institutions et les revues à soutenir les activités d'évaluation par les pairs.

Introduction

The scholarly peer review process is essential to publishing good evidence. With peer reviewers spending about three hours on each review,^{1–3} the peer review process is a substantial investment of time and intellectual capital. There is evidence and support for a motivational approach that includes both intrinsic and extrinsic rewards.⁴ Given the importance and cost of peer review, the Canadian Medical Education Journal (CMEJ) launched initiatives to improve their peer review process for authors, reviewers, and editors. These initiatives include the encouragement of team reviews⁵ and recognition of prior high-quality peer reviews as part of an expedited review process.⁶

Peer review is an integral part of the scientific process, and ongoing effort is needed to improve this process for both the peer reviewer and the scientific journal⁷. By describing CMEJ peer reviewers' experiences in populations who accepted or declined their invitation to review, we sought to expand on the work performed by Tite and Schroter (2007).⁷ The present study addressed two research questions: (1) What were the reasons invited reviewers accepted or declined their invitation? and (2) based on their decision to review, what were their experiences and perspectives with the CMEJ review process?

Methods

Study design

The University of Saskatchewan's Behavioural Research Ethics Board (BEH-2055, August 6, 2020) approved this cross-sectional survey study. Implied consent was received from all participants using the SurveyMonkey Audience (www.surveymonkey.com/mp/audience) online survey platform.

Context

First published in 2010, the CMEJ is an online open-access peer-reviewed journal exploring new developments and critical commentary that may influence institutional, regional, and national policy and/or practices in medical education.

The CMEJ uses a single-blind review process. Peer reviewers remain anonymous to authors unless they choose to sign their review.

The CMEJ website is hosted by the University of Calgary's Journal Hosting service (<u>https://journalhosting.ucalgary.ca/</u>).

Prospective reviewers are asked to respond within one week and complete their review within two weeks of receiving the invitation. Automated email reminders are sent on the day following each deadline. All invitation and reminder emails are designed to allow for one-click acceptance to minimize user burden.

Population of reference, study population, and participant eligibility

The population of reference consisted of all the reviewers listed in the CMEJ reviewer database. The study population comprised individuals who accepted or declined an invitation to review for CMEJ between December 2020 and May 2022. We only invited reviewers to participate once over the course of the study period. Over this period, 848 peer review invitations were accepted, declined, or ignored by 357 prospective reviewers eligible to participate in this study. (Appendix A; Suppl Figure 1).

Recruitment

We invited CMEJ reviewers to respond to the online survey using the SurveyMonkey Audience (www.surveymonkey.com/mp/audience) using the inapplication email invitation system.

Reviewer's experiences and perspectives questionnaire

This study used a 26-item questionnaire titled, "The experiences and perspectives of individuals providing peer review for the Canadian Medical Education Journal," with 5-point Likert scale responses. We adapted items exploring reasons for accepting or declining invitations to review and overall experience from work by Tite and Schroder 2007⁷ and Gibson et al. 2008,⁸ respectively. The authors of this study developed the remaining items. We tested and further adapted all questionnaire items using open-ended feedback collected in a pre-test (Sept 2020, n = 8) and pilot study (Oct 2020, n = 66) cohort of CMEJ reviewers from 2018-2019. The questionnaire contained six main domains tailored to two audiences: potential reviewers who declined or accepted invitations to review for the CMEJ. We describe domains, items, and adaptation sources in detail in Appendix A; Suppl Table 1.

We developed open-ended questions *de novo* to gain insight into reviewer experiences in their own words that might influence their decision to accept or decline an invitation to review (items 7-9, 11, 16a-16e, 20, 25, Appendix A; Suppl Table 1).

Data analysis

The response group calculated descriptive statistics (accepted or declined invitations to review). We performed all statistical analyses using R Core Team (2018). R: A language and environment for statistical computing (R Foundation for Statistical Computing, Vienna, Austria, URL <u>https://www.R-project.org/</u>). Packages critical for analysis included dplyr,⁹ ggplot2,¹⁰ lubridate,¹¹ readxl,¹² stringr,¹³ tidyverse,¹⁴ tidy.¹⁵

We analyzed open-ended comments using conventional content analysis, a systematic and inductive process of coding to identify patterns and meaning within the data.¹⁶ JO read through the qualitative data to inductively develop an initial set of codes, which were discussed and approved by the other two authors. We iteratively collapsed and combined codes into categories and grouped them into clusters until all textual responses could be categorized into the coding framework using NVivo 12 (QSR International). We developed the final coding tree with code descriptions and exemplars (Appendix A; Suppl Table 2).

Results

Participant Characteristics.

The final study sample included 112 (31.4%) CMEJ reviewers (95 accepted invitation to review (26.6%); 17 declined an invitation to review (4.8%)) of the 357 eligible CMEJ reviewers who accepted or declined an invitation to review within the study time frame. The study population subsets (accepted or declined an invitation to review) did not differ significantly by occupation, country of residence, peer review experience, or CMEJ membership length (Appendix A; Table 1 and Suppl Figure 1).

What were the reasons invited reviewers accepted or declined their invitation?

Almost all of the 95 participants who accepted their invitation to review and responded to our survey cited the assigned article as being within their area of expertise (strongly agreed plus agreed n = 84, 88.4%) or a topic of interest (n = 82, 86.3%) (Figure 1). Survey respondents' most cited reason for declining their invitation to review for CMEJ was a conflict with competing workloads (n = 14, 82.4%). Respondents described a lack of interest in the submission's topic (n = 4, 23.5%), receiving too many invitations to review from all journals (n = 5, 29.4%), a lack of qualification (n = 3, 17.6%), and a lack of submission quality (n = 2, 11.8%) as other reasons for declining their invitation to review (Figure 2, Appendix A; Suppl Table 2).

What were the experiences and perspectives of reviewers who accepted or declined?

Respondents who accepted the invitation to review rated the given article as an appropriate length (n = 79, 83.2%), relevant to their work and/or interests (n = 77, 81.1%), of sufficient quality (n = 75, 78.9%), educational (n = 72, 75.8%) and providing the opportunity to remain up-to-date on current research (n = 69, 72.6%). Sixty-one percent (n = 54, 56.8%) of respondents agreed that the article presented could make a significant contribution to existing research (Figure 1).

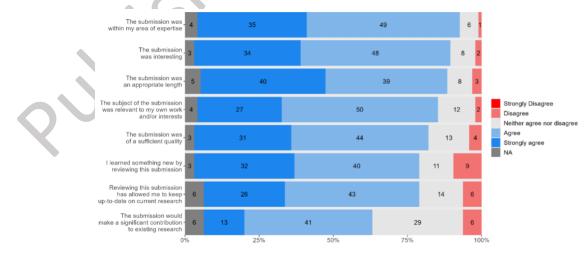


Figure 1. Reasons for accepting a CMEJ peer review invitation (n=95). NA – Not applicable includes 'choose not to answer' and 'not applicable' responses and missing data.

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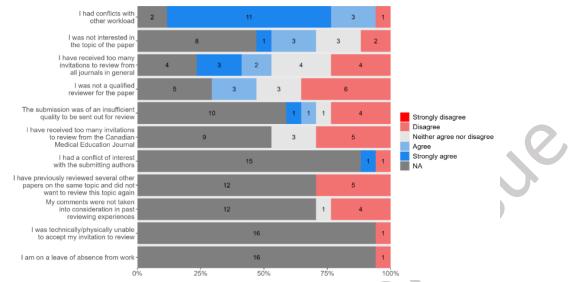


Figure 2. Reasons for declining a CMEJ peer review invitation (n = 17). NA – Not applicable includes 'choose not to answer' and 'not applicable' responses and missing data.

Those accepting their invitation to review agreed that they were provided with sufficient time to accept and complete their invitation to review (seven days to accept an invitation to review, n = 88, 92.6%; 14 days to complete a review, n = 80, 84.2%). Individuals declining their invitation to review similarly agreed they were provided with sufficient time (n = 16, 94.1%) and an appropriate number of reminders (n = 13, 76.5%) to decline to review.

Reviewers described their experiences with the CMEJ review process within three broad categories: individual, contextual, and journal factors (Figure 3).



Figure 3. A theoretical framework describing facilitators and barriers to participating in scientific peer review.

Individual factors. We noticed through our content analysis that individual reviewers were motivated by manuscript content that aligned with their interests and expertise. When reviewers did not receive feedback about the final decision and comments from other reviewers, it contributed to a negative experience (Figures 1 and 2).

Contextual/environmental factors. Respondents described workload, conflicting work demands and reviewing for other journals as the most common reasons for declining an invitation to review. Conversely, a reasonable workload at the time was twice mentioned as a reason for accepting an invitation to review (Figure 1, Suppl Table 2).

Journal factors. Technical aspects of the review process, such as instructions to reviewers, the invitation and review form, additional support/instructions offered by the editor or journal staff, and deadlines, influenced reviewers' satisfaction. Most comments were positive toward the instructions (clear expectations, helpful, accessible), guidelines, and resources provided. However, some respondents felt the instructions should specify the journal section, and be more clear and concise. In contrast to questionnaire responses, most respondents commented that the deadlines to complete a review were too short. However, they appreciated the editors' flexibility with deadlines when they requested extensions. Respondents identified interactions with the journal team/staff as a contributing factor to their positive experiences. When further information was required from the journal, the timeliness of the response was very important (Figure 1, Suppl Table 2).

Discussion

This work aimed to define the reasons invited reviewers accepted or declined their invitation to review. Reviewers accepting an invitation for peer review did so when the submission matched their area of expertise and was relevant to the reviewer's interest and work. These findings align with those of Tite and Schroter 2007.⁷ When reviewers declined their invitation to review, it was for reasons beyond the control of the journal–competing work interests, lack of appropriate expertise and the absence of professional and institutional recognition of review contributions, all of which align with previous work.^{7,17,18} Specific resources (reviewer guidelines and instructions), system designs (deadline requirements, automated reminders, exposure to other reviewers' comments, etc.), and editorial board communication style (e.g. editorial decision notifications, etc.) may enhance reviewers' experiences.

Our work highlights the need to support reviewers using automated invitation and submission reminders and provide clear and concise section-specific guidelines. The importance of reviewer guidelines has not been empirically measured but is likely critical in producing high-quality reviews. Almost 40% of Publons Global State of Peer Review respondents reported never receiving any formal peer review training, and the majority agreed that training is both necessary (88%) and would have positive impacts on the peer review process (80%).¹⁹ Clear and concise reviewer guidelines would likely support reviewers.

We used both quantitative and qualitative data in this work, providing strength to our findings. Our study population was limited to a sample of reviewers from a single journal. This study included fewer individuals declining their invitation to review than those who accepted their invitation.

Reviewers accepted or declined their invitations to review based on individual-, contextual-, and journal-level factors. Only one-third of these reasons were under the journal's control. Journals can work with academic and funding organizations to increase reviewers' willingness to review.

Conclusion

This work describes the motivators and barriers of those invited to the peer review process at the CMEJ, highlights the need to acknowledge peer reviewers' work, and challenges institutions and journals to support reviewers in this labourious endeavour. Future research should investigate reviewer experiences at multiple journals to allow comparative effectiveness of journal resources, policies, and systems. **Conflicts of Interest:** Marcel D'Eon is the editor-in-chief for the CMEJ. He adhered to the CMEJ policy on editors as authors. Larisa Lotoski and Jennifer O'Brien have no conflicts to declare.

Funding: None.

Edited by: Charo Rodriguez (section editor); Cindy Schmidt (senior section editor)

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Appendix A. Supplemental Tables and Figures. Supplemental Table 1. Reviewers' views on the editorial review processes of the Canadian Medical Education Journal questionnaire

tem	ltom	Basmansa Ontions	Surgeon Craws	Source the item
umber	Item	Response Options	Survey Group	was adapted from
		Y IDENTIFICATION		
	Please enter your study ID number. This nine-digit			
-	number is listed in the e-mail inviting you to this survey.	#########	All Respondents	NA
	Please indicate if you chose to accept or decline your last			
	invitation to review for the Canadian Medical Education			
2	Journal.	Accepted Invitation, Declined Invitation	All Respondents	NA
	DECLINED INVITATION	I: OVERALL REVIEWER EXPERIENCE	1	-
	How would you rate your most recent reviewing	Excellent, Very good, Neutral, Poor, Very	Declined Invitation	
3	experience with the Canadian Medical Education Journal?	Poor, Choose not to answer	to Review	Gibson et al. 200
	Please indicate your level of agreement or disagreement	Strongly agree, Agree, Neither agree nor		
	with the following statement: declining my invitation to	disagree, Disagree, Strongly Disagree,	Declined Invitation	
	review was easy.	Choose not to answer	to Review	NA
	Please fill in the blank: I was provided with	Far too long, Too long, Appropriate, Too		
	a/an amount of time to decline my	short, Far too short, Choose not to	Declined Invitation	
	invitation to review.	answer	to Review	NA
		No, Far too few, Too few, An		
	Please fill in the blank: I received	appropriate number of, Too many, Far	Declined Invitation	
	reminders to respond to my invitation to review.	too many, Choose not to answer	to Review	NA
,	Please tell us more about why you chose the following			
			Dealined to site ti	
,	response to the statement, "declining my invitation to		Declined Invitation	NA
,	review was easy."	Open ended. Text box.	to Review	NA
	Please tell us more about your response to, "I was			
	provided with a amount of time to decline		Declined Invitation	
	my invitation to review."	Open ended. Text box.	to Review	NA
	Please tell us more about your response to, "I received			
	reminders to respond to my invitation to		Declined Invitation	
)	review."	Open ended. Text box.	to Review	NA
	DECLINED INVITATION: REASONS	FOR DECLINING THE INVITATION TO REV	IEW	
	Please think about the reason you declined your most			
	recent invitation to review for the Canadian Medical			
	Education Journal. Indicate your level of agreement or			
	disagreement with the following statements:			
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Declined Invitation	Tite, L. and
L0a	I was not interested in the topic of the paper.	Choose not to answer	to Review	Schroter, S. 2007.
		Strongly agree, Agree, Neither agree nor		
	I have received too many invitations to review from the	disagree, Disagree, Strongly Disagree,	Declined Invitation	Tite, L. and
.0b	Canadian Medical Education Journal.	Choose not to answer	to Review	Schroter, S. 2007.
.00		Strongly agree, Agree, Neither agree nor		Sem Oter, 5: 2007
	I have received too many invitations to review from all		Declined Invitation	Tito L and
0.0		disagree, Disagree, Strongly Disagree,		Tite, L. and
LOc	journals in general.	Choose not to answer	to Review	Schroter, S. 2007
	The submission was of an insufficient quality to be sent			
	out for review (e.g. technical errors such as a lack of	Strongly agree, Agree, Neither agree nor		L
	research ethics board approval, an abundance of	disagree, Disagree, Strongly Disagree,		Tite, L. and
LOd	grammatical errors, etc.).	Choose not to answer	to Review	Schroter, S. 2007
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Declined Invitation	Tite, L. and
.0e	I had conflicts with other workload.	Choose not to answer	to Review	Schroter, S. 2007
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Declined Invitation	Tite, L. and
Of	I was not a qualified reviewer for the paper.	Choose not to answer	to Review	Schroter, S. 2007
	I have previously reviewed several other papers on the	Strongly agree, Agree, Neither agree nor		
	same topic and did not want to review another one like	disagree, Disagree, Strongly Disagree,	Declined Invitation	Tite, L. and
.0g	the others.	Choose not to answer	to Review	Schroter, S. 2007
UВ				Junioler, 3. 2007
	My commonts were not taken into consideration in not	Strongly agree, Agree, Neither agree nor		Tito L and
Oh	My comments were not taken into consideration in past	disagree, Disagree, Strongly Disagree,	Declined Invitation	Tite, L. and
LOh	reviewing experiences.	Choose not to answer	to Review	Schroter, S. 2007.
		Strongly agree, Agree, Neither agree nor		·
	I am on a leave of absence from work (e.g. personal or	disagree, Disagree, Strongly Disagree,	Declined Invitation	Tite, L. and
.0i	medical leave, sabbatical, etc.).	Choose not to answer	to Review	Schroter, S. 2007.

tem				Source the item
lumber	Item	Response Options	Survey Group	was adapted from
	I was technically/physically unable to accept my invitation		· ·	
	to review (e.g. technical difficultly logging into my	Strongly agree, Agree, Neither agree nor		
	account, downloading the submission, navigating the	disagree, Disagree, Strongly Disagree,	Declined Invitation	
LOj	website, etc.)	Choose not to answer	to Review	NA
,		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Declined Invitation	Tite, L. and
LOk	I had a conflict of interest with the submitting authors.	Choose not to answer	to Review	Schroter, S. 2007.
LUK			Declined Invitation	scinoler, s. 2007.
	Are there any other reasons why you did not accept your			
11	invitation to review?	Open ended. Text box.	to Review	NA
	ACCEPTED INVITATION	I: OVERALL REVIEWER EXPERIENCE		
	How would you rate your most recent reviewing	Excellent, Very good, Neutral, Poor, Very		
.2	experience with the Canadian Medical Education Journal?	Poor, Choose not to answer	to Review	Gibson et al. 2008
	Were you able to complete your review of the article		Accepted Invitation	
.3	presented?	Yes, No, Choose not to answer	to Review	NA
	Please indicate your level of agreement or disagreement			
	with the following statements:			
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Accepted Invitation	
l4a	Accepting my invitation to review was easy	Choose not to answer	to Review	NA
		Strongly agree, Agree, Neither agree nor		
	I was provided with a sufficient period of time to accept		Accepted Invitation	
L4b	my invitation to review	Choose not to answer	to Review	NA
		Strongly agree, Agree, Neither agree nor		
	I was provided with a sufficient period of time to		Accepted Invitation	
L4c	complete my review	Choose not to answer	to Review	NA
140	complete my review		to neview	NA .
		Strongly agree, Agree, Neither agree nor		
	I was provided with an appropriate number of reminders	disagree, Disagree, Strongly Disagree,	Accepted Invitation	
L4d	to accept my invitation and/or complete my review	Choose not to answer	to Review	NA
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Accepted Invitation	
l4e	Overall, the review process met my expectations.	Choose not to answer	to Review	NA
		No, Far too few, Too few, An		
	Please fill in the blank.I received reminders	appropriate number of, Too many, Far	Accepted Invitation	
15	to accept my invitation and/or complete my review.	too many, Choose not to answer	to Review	NA
	Please tell us more about why you chose "{{ Q14.R5 }}"			
	when presented with the following statement:			
			Accepted Invitation	
.6a	Accepting my invitation to review was easy	Open ended. Text box.	to Review	NA
LUa	I was provided with a sufficient period of time to accept	open ended. Text box.	Accepted Invitation	
I.C.h.		Open and ad Tauthau	to Review	NA
L6b	my invitation to review	Open ended. Text box.		NA
	I was provided with a sufficient period of time to		Accepted Invitation	
L6c	complete my review	Open ended. Text box.	to Review	NA
	I was provided with an appropriate number of reminders		Accepted Invitation	
.6d	to accept my invitation and/or complete my review	Open ended. Text box.	to Review	NA
			Accepted Invitation	
l6e	Overall, the review process met my expectations.	Open ended. Text box.	to Review	NA
	ACCEPTED INVITATIO	N: REVIEW SUBMISSION PROCESS		
	Please indicate your level of agreement or disagreement			
	with the following statement:			
		Strongly agree, Agree, Neither agree nor		
	Accessing the article I was invited to review was	disagree, Disagree, Strongly Disagree,	Accepted Invitation	
L7a	straightforward.	Choose not to answer	to Review	NA
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Accepted Invitation	
176				NA
L7b	during the review submission process.	Choose not to answer	to Review	NA
	The reviewer form was easy to use. When available, the			
	reviewer form is presented during the review submission	Strongly agree, Agree, Neither agree nor		
	process. It provides a series of structured questions to guide the reviewer through the peer review process.	disagree, Disagree, Strongly Disagree,	Accepted Invitation	

				Source the item
Number	ltem	Response Options	Survey Group	was adapted from
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Accepted Invitation	
17e	Submitting my review was easy.	Choose not to answer	to Review	NA
		FOR ACCEPTING THE INVITATION TO REV	VIEW	
	Please think about the reasons you chose to review the			
	article submitted to the Canadian Medical Education			
	Journal. Indicate your level of agreement or disagreement			
	with the following statements. I chose to review this		Accepted Invitation	
	article because		to Review	
		Strongly agree, Agree, Neither agree nor	to neview	
		disagree, Disagree, Strongly Disagree,	Accepted Invitation	Tite, L. and
L8a	The submission was within my area of expertise.	Choose not to answer	to Review	Schroter, S. 2007.
Loa	The submission was of a sufficient quality to be sent out			Schröter, 3. 2007.
		Strongly agree Agree Neither agree per		
	for review (e.g. void of technical errors such as a lack of	Strongly agree, Agree, Neither agree nor	Assessed Invitation	The Lord
	research ethics board approval, an abundance of	disagree, Disagree, Strongly Disagree,	Accepted Invitation	
L8b	grammatical errors, etc.).	Choose not to answer	to Review	Schroter, S. 2007.
		Strongly agree, Agree, Neither agree nor	Accord to	
0		disagree, Disagree, Strongly Disagree,	Accepted Invitation	
L8c	The submission was an appropriate length.	Choose not to answer	to Review	NA
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Accepted Invitation	- ·
L8d	I learned something new by reviewing this submission.	Choose not to answer	to Review	Schroter, S. 2007.
		Strongly agree, Agree, Neither agree nor		
		disagree, Disagree, Strongly Disagree,	Accepted Invitation	
18e	The submission was interesting.	Choose not to answer	to Review	Schroter, S. 2007.
		Strongly agree, Agree, Neither agree nor		
	The submission would make a significant contribution to	disagree, Disagree, Strongly Disagree,	Accepted Invitation	Tite, L. and
L8f	existing research.	Choose not to answer	to Review	Schroter, S. 2007.
		Strongly agree, Agree, Neither agree nor		
	The subject of the submission was relevant to my own	disagree, Disagree, Strongly Disagree,	Accepted Invitation	Tite, L. and
18g	work and/or interests.	Choose not to answer	to Review	Schroter, S. 2007.
		Strongly agree, Agree, Neither agree nor		
	Reviewing this submission has allowed me to keep up-to-	disagree, Disagree, Strongly Disagree,	Accepted Invitation	Tite, L. and
18f	date on current research.	Choose not to answer	to Review	Schroter, S. 2007.
	WORKING WITH EDITORS AND STAFF	AT THE CANADIAN MEDICAL EDUCATION	JOURNAL	
	To what extent do you agree or disagree with the			
	following statements regarding communication with the Journal's editorial team?			
	following statements regarding communication with the	Strongly agree. Agree. Neither agree nor		
	following statements regarding communication with the Journal's editorial team?	Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree,		
19a	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their	Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer	All Respondents	NA
19a	following statements regarding communication with the Journal's editorial team?	disagree, Disagree, Strongly Disagree, Choose not to answer	All Respondents	NA
19a	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us.	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor	All Respondents	NA
	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree,	·	
	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us.	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer	All Respondents All Respondents	NA
	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor	·	
19b	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries.	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree,	All Respondents	NA
19b	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner.	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor	·	
19b 19c	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer	All Respondents All Respondents	NA
19b 19c	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below.	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box.	All Respondents	NA
19b 19c	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below.	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS	All Respondents All Respondents	NA
19b 19c	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below.	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North	All Respondents All Respondents	NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer <i>Open ended. Text box.</i> PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not	All Respondents All Respondents All Respondents	NA NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below.	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North	All Respondents All Respondents	NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer <i>Open ended. Text box.</i> PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not	All Respondents All Respondents All Respondents	NA NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer <i>Open ended. Text box.</i> PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not	All Respondents All Respondents All Respondents	NA NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not to answer	All Respondents All Respondents All Respondents	NA NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not to answer Assistant Professor (Clinical), Assistant Professor (PhD), Associate Professor	All Respondents All Respondents All Respondents	NA NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not to answer Assistant Professor (Clinical), Assistant Professor (PhD), Associate Professor (Clinical), Associate Professor (PhD),	All Respondents All Respondents All Respondents	NA NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not to answer Assistant Professor (Clinical), Assistant Professor (PhD), Associate Professor (Clinical), Associate Professor (PhD), Fellow, Lecturer/Instructor, MD/PhD,	All Respondents All Respondents All Respondents	NA NA
19b 19c 20	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA What continent do you live in?	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not to answer Assistant Professor (Clinical), Assistant Professor (PhD), Associate Professor (Clinical), Associate Professor (PhD), Fellow, Lecturer/Instructor, MD/PhD, Physician, Professor (Clinical), Professor	All Respondents All Respondents All Respondents All Respondents	NA NA NA
19b 19c 20 21	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA What continent do you live in?	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer <i>Open ended. Text box.</i> PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not to answer Assistant Professor (Clinical), Assistant Professor (PhD), Associate Professor (Clinical), Associate Professor (Clinical), Professor (Clinical), Professor (PhD), Resident, Other (Please specify)	All Respondents All Respondents All Respondents	NA NA
19b 19c 20 21	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA What continent do you live in? Which one of the following job titles best applies to you? Please estimate the number of reviews you have provided	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Open ended. Text box. PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not to answer Assistant Professor (Clinical), Assistant Professor (PhD), Associate Professor (Clinical), Associate Professor (Clinical), Associate Professor (Clinical), Professor (Clinical), Professor (PhD), Resident, Other (Please specify) Less than or equal to 3, 4 to 9, Greater	All Respondents All Respondents All Respondents All Respondents	NA NA NA
19a 19b 19c 20 21 22 22 23	following statements regarding communication with the Journal's editorial team? The editors were polite and professional in their communication with me/us. I was satisfied with the depth of information provided in answers to my inquiries. My inquiries were answered in a timely manner. Please leave any comments you have about your experience submitting a review in the box below. DEMOGRA What continent do you live in?	disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly Disagree, Choose not to answer <i>Open ended. Text box.</i> PHIC CHARACTERISTICS Africa, Asia, Australia, Europe, North American, South America, Choose not to answer Assistant Professor (Clinical), Assistant Professor (PhD), Associate Professor (Clinical), Associate Professor (Clinical), Professor (Clinical), Professor (PhD), Resident, Other (Please specify)	All Respondents All Respondents All Respondents All Respondents	NA NA NA

ltem Number	ltom	Posnansa Ontions	Survey Group	Source the item
Number	Item	Response Options	Survey Group	was adapted from
		Female, Male, Non- binary, Prefer not		
24	To which gender identity do you most identify?	to answer	All Respondents	NA
	Please think of your most recent invitation to review			
	from the Canadian Medical Education Journal. Is there			
	anything else you'd like us to know about your experience			
25	with the Canadian Medical Education Journal?	Open ended. Text box.	All Respondents	NA
	OPTIONAL: If you would like this study's final results sent			
	to you please enter your e-mail address in the text box			
	below. Your e-mail address will not be used for any other			
	purpose other than communicating the results of this			
26	study.	Open ended. Text box.	All Respondents	NA

NA - not applicable. Items and response options were developed by the research team and were not adapted from an existing source.

Supplemental	Table 2. Open ended	questionnaire item responses	

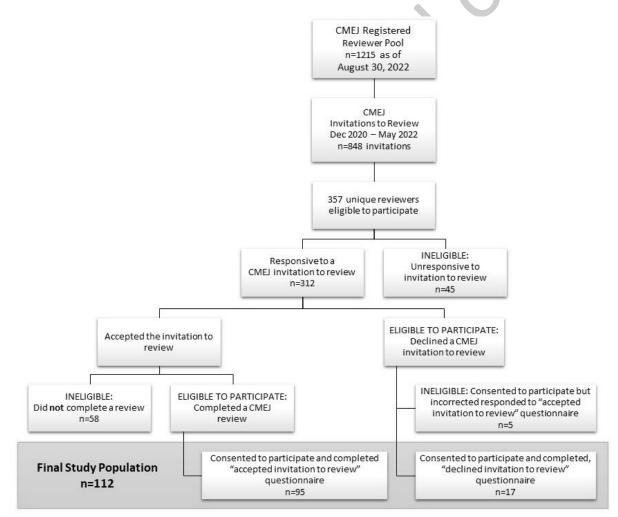
			Deferrer
Name	Description	Exemplar	References
1. Content	Reviewers were motivated by content that was	the manuscript's topic was one I felt	17
	well-matched to their interests and expertise	qualified to review and the authors had	
	and was of high quality.	submitted a fine document (in other	
	This was often a reason for accepting an	words, they did their homework to make	
	invitation to review; less often, unfamiliarity	sure they met the CMEJ standards).	
	with the methodology was cited as a reason for		
	declining the review.		10
1.1 Interest & Expertise	Reviewers who accepted an invitation to	The match of article content to my	13
	review often cited the manuscript topic as one	interests was done well	
	the reviewer felt qualified to review, the paper		
	as well-matched to the reviewer's interests and	the methodology was not familiar	
	expertise, and the topic as relevant to	enough to me to feel comfortable	
	experience and in the reviewer's field. Less	reviewing	
	often, unfamiliarity with the methodology was		
	cited as a reason for declining the review.		-
1.2 Quality	Comments on the quality of the manuscript –	Editors could be a bit more selective	7
	sometimes when it was good quality, but most	about reviews at the point of submission.	
	often when the reviewer felt the editor should		
	be more selective or the submission should not	the only issue is the quality of papers	
	have moved forward for review.	forwarded.	
2. Deadline	Pertains to the length of time a reviewer has to		37
	accept an invitation to review or to complete		
	the review. This was the second most-		
	commented category.		
2.1 Flexible	Reviewers appreciated the editors/Journal's	I needed extra time to complete my	8
	flexibility with deadlines.	review - the team was very	
		accommodating.	
2.2 Reasonable	Reviewers commented that deadlines were	One week period to review the abstract	5
	reasonable.	and two-week period to review the article	
		was reasonable.	
2.3 Short	Reviewers commented the deadlines to	I wanted to look up references for	12
	complete a review were too short. This was	reviewing the paper in depth, but due to	
	accompanied by comments pertaining to	the lack of sufficient time, I could only	
	wanting to complete a quality, in-depth review,	overview the paper. And even then, I was	
	including looking up references cited, or	late in submitting the review. So, I think	
	reviewing potentially controversial topics.	reviewers should be given more time.	
	Reviewers noted the time to review doesn't		
	start from when the review is accepted, but	2 weeks was a short time Three weeks	
	from when the invitation was sent.	would have been better.	
3. Feedback, learning	Reviewers appreciate knowing the outcome	I always learn a lot from it [reviewing for	15
	and seeing what other reviewers had to say and	CMEJ] and I have important insights as a	
	find reviewing for the CMEJ to be a positive	researcher.	
	learning experience.		
		I have asked for constructive feedback	
	When they do not receive this feedback, it	and not really gotten any.	
	contributes to a negative experience.		
		it would be nice to remain in the loop	
		about papers I review, in terms of what	
		aspects were incorporated or whatever	
		became of the studies. As of now, neither	
		of these things occur,which creates a	
		bit of a gap that leaves me wanting more	
		as a reviewer.	
4. Journal team, staff	Relating to interactions with the editorial team,	You have an excellent team - smart,	11
	editor, or administrative staff.	personable, effective, efficient,	
		understanding. I recommend CMEJ to	
		everyone I work with	
5 Policy issues			7
5. Policy issues			′

Name	Description	Exemplar	References
5.1 Future research	One respondent suggested future research.	would be interesting to know if the COVID-19pandemic has made any difference in the CMEJ's ability to have peer reviews done on time.	1
5.2 Indexing	One respondent noted the CMEJ is not well- indexed.	it's not well indexed	1
5.3 Learners	Comments pertaining to the student reviewing experience, engaging new reviewers, and creation of a section for learners to encourage submissions from medical students and residents.	I felt more competent to provide a comprehensive review as an intern reviewer and was provided reassurance that I can complete more reviewing tasks independently. I commend the editors [<i>sic</i>] courage to engage reviewers that are not normally considered reviewers.	3
5.4 Mandatory review	Comments pertaining to a Special Issue policy to contribute to peer review of other submissions prior to an author's own manuscript moving forward.	Looked like it was mandatory to review a particular number of articles before getting review on my own submission.	1
5.5 Publishing policies	Comments pertaining to journal publishing policies (e.g. open-access, publishing charges, and publishing online).	I appreciate that the journal is online and open access without publication charges.	1
6. Technical	Comments pertaining to the technical aspects of the review process such as instructions to reviewers, the Open Journal Systems platform, and the workflow process.	20	118
6.1 Instructions	Comments pertaining to the instructions provided to reviewers, including in the invitation to review, the review form, and additional support/instructions offered by the editor or journal staff. Most comments were positive towards the instructions (clear expectations, helpful, accessible), guidelines, and resources provided. However, some respondents felt the instructions should specify the journal section, and be more direct, less convoluted, shorter, and clearer about whether the review should be done in Word with Tracked Changes or in the review form. One reviewer wondered why the author names were contained within the manuscript file.	It was a straightforward process. Clearly outlined. Information that I required was available to me. Timelines were reasonable. editors should recommend critical appraisal checklists for the reviewers to use. make it clearer that the review is for a commentary versus regular article.	35
6.1.1 Review form	Respondents made suggestions for improving the review form(s). It highlights that some reviewers are receiving the review request in different formats – some are receiving a structured review form and others are not.	make more explicit what is communicated to the authors and what is not consider developing a review framework applicable to specific article types The form on this last submission was greatly improved. It provided a much- improved way of framing the review structure the reviews, so that people with less experience providing constructive reviews can still contribute meaningful feedbackproviding separate boxes for comments for the author and editor that	6

Name	Description	Exemplar	References
		are cued by questions, e.g., "Was the	
		analysis appropriate?", "Do the results	
		support the conclusion?", "Are the Tables	
		and Figures appropriate?", etc.	
6.1.2 Support	Reviewers described situations where further	I requested clarification for one of the	6
	information was required. Timeliness of the	review components, but I received the	
	response matters.	answer more than one week after that	
		The invitation to review referred to a	
		section that the manuscript was aligned	
		with, but I could not decipher what	
		section that wasLuckily, [the section	
		editor] was able to clarify for me right	
		away.	
5.2 Platform	Comments about the user-friendliness of the	The platform was easy to use	18
	online platform used for the review process.		
		user friendliness of the online dashboard	_
	These were clearly/evenly divided between		
	positive and negative perspectives.	The platform for reviews is confusing and	
	positive and negative perspectives.	cumbersome	
	Negative comments included too many clicks		
		The manuscript review web portal system	
	and examples of trouble with access, uploading files, and failed submissions.	The manuscript review web portal system is a bit awkward to use	
			65
5.3 Process	Comments about the overall process of	Downloading of the article and uploading	65
	completing a review for the CMEJ. Most	of the review were simple, straight	
	comments were positive (43/60), some were	forward processes.	
	negative (11/60) and a few were neutral (6/60).		
		I also review manuscripts for Academic	
	Most comments were about the Process of	Medicine and their communications are a	
	completing a review (probably due to the	little clearerfor example reminders and	
	wording of 2/4 open-ended questions: "Non-	acknowledgement of receipt of review	
	agreement with: 'Overall, the review process		
	met my expectations'" and "Comments you		
	have about your experience submitting a		
	review in the box below."		
	Positive comments were largely "easy,"		
	"seamless," "efficient," and "straightforward."		
	One reviewer noted the process has improved		
	over the past couple of years.		
	Negative experiences were due to difficulties		
	receiving or accepting the invitation to review		
	(due to different email/log in details),		
	challenges accessing the article text file, bad		
	timing of the request (shortly after having a		
	paper declined), multiple reminder emails		
	(although other respondents appreciated		
	these), and clearer communication from other		
	journals re: reminders and acknowledgement		
	of receipt. One respondent wondered if there		
	was an appeal process for reviews that are too		
	dogmatic or incorrect. One respondent noted		
	CMEJ emails consistently end up in their junk		
C 2 1 Familier	mail.		
6.3.1 Familiar	Reviewers who have prior experience reviewing	Have reviewed many articles before, no	4
	for the CMEJ reported a familiar process/no	surprises here	
	surprises.		
		I was unable to upload a PDF or Word file	
	One respondent noted consistently bad	of my review on the review website.	
	experiences.		

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Name	Description	Exemplar	References
		This is the 2nd time I have had the same	
		problem.	
7. Workload	The most common reason for declining an	Pandemic exhaustion and overwork. I am	10
	invitation to review was Workload, described	being careful of my health and limiting my	
	as conflicting work demands and sometimes as	commitments. My employers no longer	
	prioritizing reviewing for other journals.	support this activity as it is not part of my	
		job description. Given the first point I	
	A reasonable Workload was twice mentioned	choose (hopefully temporarily) no longer	
	as a reason for accepting an invitation to	to devote my weekends and evenings to	
	review.	reviews.	
7.1 Conflicting work demands	Comments pertaining to balancing the request	I think the most challenging aspects of	7
	to review with other commitments.	deciding to review or not concern 1)	
		timing with other personal/professional	
		commitments	
7.2 Reviews for other	Comments pertaining to prioritizing work for	Again, too busy - stretched too thin. I am	1
journals	other journals.	on a board of editors for another journal.	
		Those reviews take priority and I am not	
		really able to review for any other	
		journals because I review so much for	
		them.	



Supplemental Figure 1. Study eligibility, consent and participation