

Effective Strategies for Crafting Compelling Medical Research Papers

Mariyah Hidayat

University College of Medicine & Dentistry, The University of Lahore, Pakistan

Managing Editor, JUCMD

Correspondence to

Mariyah Hidayat
editor.jucmd@journals.uol.edu.pk

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Sir Shaukat Jawaid, Editor-in-Chief of the Pakistan Journal of Medical Sciences, delivered a lecture at Central Park Medical College that left a lasting impression on me. This was during my tenure as a Professor of Anatomy there a few years ago. He humorously remarked that editors are loved only by their children and spouses, and it made everyone in the room laugh. Reflecting now, nearly five years later, I realize the truth in his words. As an editor, I've realized that while I may not be everyone's friend, my conscience remains my loyal companion, urging me to proceed with integrity and grace.

In these past five years, from enrolling in local certification courses to graduating from Harvard Medical School's "Effective Writing for Health Care" program, I've been on a continuous learning journey. Each day brings new lessons, shaping me not only as an editor but also as a mentor to those striving to improve their writing. Through this editorial, my goal is to offer my readers insights into crafting compelling medical research papers, from planning meticulously to increasing the visibility and impact of their work.

Writing a research paper is like telling story of your journey, your discoveries, and your contributions to medical science. It's not something you rush through; it requires careful planning and attention to detail. Each section, from the introduction that sets the stage to the discussion that interprets your results, plays a crucial role. And when it comes to increasing citations and quality, publishing in reputable journals, writing clear and concise abstracts, and adhering to guidelines for reporting research studies are key factors to consider. How many of us are familiar with the reporting guidelines for various research studies, such as CONSORT, STROBE, PRISMA, and COREQ?¹ These guidelines provide valuable frameworks for writing different types of studies, including randomized controlled trials, observational studies, systematic reviews, and qualitative research. As editors, we look for manuscripts that align with these principles, ensuring that each paper contributes meaningfully to the scientific community.

Crafting effective medical research papers

goes beyond just writing skills; it requires a strategic approach to ensure the work achieves its full potential. A key aspect is boosting citations, which not only validates the research but also increases its influence. Publishing in open-access peer-reviewed journals indexed with WOS and Scopus establishes credibility and visibility. The most important part of your paper to increase visibility and citations is your title. It is important to include the study design and keywords in the title while avoiding unnecessary details like the study location unless essential. Highlighting the innovative aspect of the research in the title and indicating if it was multi-centered, ignites curiosity, especially in a competitive academic setting.

Editors play a crucial role in selecting articles that meet high scientific standards and align with the journal's goals. Factors like ensuring authors are from the same institution for single-centered studies, providing necessary documentation like IRB approval, and aligning the study design with objectives are vital.² Clear language, adherence to reporting guidelines, and referencing recent literature within the past five years are essential. Moreover, providing comprehensive inclusion and exclusion criteria of the population under study is also important. Often, when conducting clinical trials, observational studies, or systematic reviews, we overlook the importance of providing comprehensive details about the study population. This omission can lead to confusion among readers. It is crucial to include demographic information in the results section, following the parameters outlined in the methodology section, to ensure clarity and transparency in your research.

Manuscripts should avoid common pitfalls like being overly lengthy, containing spelling errors, or having excessive tables, figures, and references, as these can diminish the quality and impact of the research.³ When responding to reviewer comments, authors should approach feedback constructively, addressing it with care and patience. The revise-and-resubmit process offers valuable opportunities for improvement, strengthening the research. Utilizing social media platforms for sharing work extends its reach and encourages meaningful discussions beyond traditional academic circles. We often wrap up our work by having it published in prestigious health journals. But, upon reflection, are we truly accomplishing our aims? Is this where our storytelling journey should end?

Unfortunately, we tend to overlook the vast audience active on social media platforms, who may not be reading and benefitting from health journals. To amplify the visibility of our work, it's crucial to engage with our audience across diverse social media channels like LinkedIn, Facebook, WhatsApp, Instagram, Twitter, and more. By embracing these strategies, researchers can enhance the impact of their findings, driving progress in medical science and ultimately benefiting healthcare outcomes for all.

In the end, let us remember the profound impact our writing can have on healthcare. Each paper we write, every insight we offer, and every collaboration we nurture holds the power to shape the future of medical science. Together, let us aim for excellence, challenge limits, and leave a lasting legacy. Our efforts today will shape tomorrow's health outcomes, inspiring generations and changing lives for the better.

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