ENHANCING CLEAR EXPRESSION OF RESEARCH QUESTIONS, HYPOTHESES, AND OBJECTIVES THROUGH EFFECTIVE USE OF SCIENTIFIC ENGLISH

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Many healthcare professionals, particularly non-Anglophone authors, continue struggling to properly write and publish their articles in high-rank peer-reviewed journals. This overwhelming writing task is confounded by inability to formulate their research question, hypothesis, and objective in understandable scientific English. The resultant challenges lead to inappropriate choice of study design, disorganized research, unprofessional data reporting and interpretation, and weak conclusions.

The inability of Japanese medical students to write, edit, and discuss English journal articles is assessed in a recent study that points to the reliance on observation rather than participation, poor critical thinking skills, lack of emphasis on scientific inquiry and research writing, inadequate use of English for studies, and nonmedical background of English instructors [1]. Advanced teaching techniques, more emphasis on critical thinking, regular processing of research items, and motivation to publish great articles are believed to overcome the problems [1].

St. Luke’s International University in Tokyo is one of the few universities in the Asia Pacific region that has developed an academic writing help desk and journal article writing courses to support its students and faculty [2]. The support is particularly aimed to motivate master and doctorate candidates advance their English writing skills and increase the number of articles in international journals. These programs are updated regularly to meet the ever-increasing requirements of the publishing enterprise.
In Central Asian countries, no such scientific English courses exist. The *Central Asian Journal of Medical Hypotheses and Ethics* (CAJMHE) may fill the gap by publishing methodology articles presenting globally acceptable writing standards, structure of hypotheses, and ethics requirements. Using this journal for establishing cooperation between Central Asian and Asia Pacific researchers, educators, and editors is supposedly the optimal way forward.

The CAJMHE is an online-only platinum open-access peer-reviewed journal focusing on medicine and health policy. It welcomes innovative ideas, hypotheses, and recommendations to solve the regional problems of research and publication ethics. It is aimed to regularly publish didactic articles for enhancing the readers’ knowledge of hypotheses, ethics, and communication terminology.

Welcoming the launch of yet another promising periodical, it is hoped that its editors will make an effort to publish more materials that instruct how to formulate research questions. This is the initial step of research that explores a specific issue and highlights knowledge gaps. Clearly defined research questions may help choose the most appropriate study design, enroll relevant subjects, collect reliable data, and end up with evidence-based analysis [3]. There are some widely publicized recommendations and research tools that can be employed by the CAJMHE editors to instruct their authors and increase the quality of the published articles. The best examples of research reporting standards are available from the EQUATOR Network website (http://www.equator-network.org/).

The CAJMHE is supposed to discuss issues of working hypotheses of original research studies and scientific hypotheses. For both types of hypotheses, comprehensive literature searches are advisable to clearly formulate objectives and plan well-structured and evidence-based analyses. Properly formulated objectives positively influence later stages of research and writing.

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CONFLICT OF INTEREST
None declared

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Ғылыми ағылшын тілін тиімді қолдану арқылы зерттеу сұрақтары, гипотезалар мен мақсаттардың нақты көрінісін жетілдіру

Түйін сөздер: Қітаптар жазу, Ағылшын тілі, Денсаулық сақтау, Жаңалық беру, Жапония, Орталақ Азия

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Повышение точности формулировок исследовательских вопросов, гипотез и целей путем эффективного использования научного английского языка

Ключевые слова: Написание книг, Английский язык, Здравоохранение, Образование, Япония, Центральная Азия

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