

1 A Guide to Applying the Good Publication Practice 3 Guidelines in the Asia-

2 Pacific Region

3

- 4 Blair R. Hesp, ¹ Katsuhisa Arai, ² Magdalene Y.S. Chu, ³ Stefanie Chuah, ⁴ Jose Miguel B. Curameng, ³
- 5 Sandeep Kamat,⁵ Zhigang Ma,⁶ Andrew Sakko,⁷ Hazel Fernandez⁸
- 6 ¹Kainic Medical Communications Ltd, Dunedin, New Zealand; ²Proscribe Medical Affairs, Envision
- 7 Pharma Group, Tokyo, Japan; ³MIMS (Hong Kong) Ltd, Hong Kong; ⁴AMICULUM (Singapore) Pte Ltd,
- 8 Singapore; ⁵Cactus Communications Pvt Ltd, Mumbai, India; ⁶AstraZeneca China, Shanghai, China;
- ⁹ Syneos Health, Gordon, NSW, Australia; ⁸ AstraZeneca Australia, Macquarie Park, NSW, Australia

10

- 11 Corresponding author:
- 12 Blair R. Hesp
- 13 Kainic Medical Communications Ltd.
- 14 104 Bond Street
- 15 Dunedin 9016
- 16 New Zealand
- 17 Phone: +64-21-132-0854
- 18 Email: blair@kainicmedical.com



Abstract

- 2 Numerous recommendations and guidelines aim to improve the quality, timeliness and transparency of
- 3 medical publications. However, these guidelines use ambiguous language that can be challenging to
- 4 interpret, particularly for speakers of English as a second language. Cultural expectations within the Asia-
- 5 Pacific region raise additional challenges. Several studies have suggested that awareness and application
- 6 of ethical publication practices in the Asia-Pacific region is relatively low compared with other regions.
- 7 However, guidance on applying ethical publication practice guidelines in the Asia-Pacific region is
- 8 lacking. This commentary aims to improve publication practices in the Asia-Pacific region by providing
- 9 guidance on applying the 10 principles of the Good Publication Practice 3 (GPP3) guidelines and the
- 10 International Committee of Medical Journal Editors (ICMJE) criteria for authorship. Recommendations
- are provided for encore presentations, applying the ICMJE authorship criteria in the context of regional
- 12 cultural expectations, and the role of study sponsors and professional medical writers. Ongoing barriers to
- compliance with guidelines are also highlighted, and additional guidance is provided to support authors
- 14 submitting manuscripts for publication. The roles of regional journals, regulatory authorities and
- professional bodies in improving practices are also discussed.
- 16 **Keywords:** Asia-Pacific; Authorship; Conflict of interest; Disclosures; Ethics; Good Publication Practice;
- 17 Manuscript development



Introduction

1

2 Numerous recommendations and guidelines have been developed to improve the quality, timeliness and 3 transparency of publishing medical data (see the Supplementary Appendix for a list of relevant 4 recommendations and guidelines). These include the International Committee of Medical Journal Editors 5 (ICMJE) recommendations [1], which provide guidance on all aspects of medical research published in 6 peer-reviewed journals, and the Good Publication Practice 3 (GPP3) guidelines on communicating 7 industry-sponsored research [2]. 8 These recommendations and guidelines have largely been based on medical publication practices and 9 expectations in North America and Europe, despite an increasing volume of publications in the Asia-Pacific region [3-5]. This increase is likely the result of pharmaceutical companies in the Asia-Pacific 10 11 region increasingly performing clinical research in the region, as well as developing and executing 12 regional publication plans [3,6]. However, awareness of the GPP3 recommendations in lower income 13 countries, including some countries in the Asia-Pacific region, appears to be low [7,8]. In addition, limited guidance has been provided on pragmatically applying these recommendations in the Asia-Pacific 14 region. 15 A number of studies suggest that poor publication practices are more prevalent in the Asia-Pacific region 16 17 compared with other regions, particularly North America and Europe [7-12], although such assertions have been questioned [13,14]. Several factors may influence adherence to ethical publication practices in 18 19 the Asia-Pacific region, such as the ubiquitous pressure to publish, unscrupulous providers of editing or 20 publishing services preying on such pressure, language barriers, cultural practices and/or an absence of 21 awareness of global publication standards [6,8,10,14]. 22 An investigation of authorship practices suggested notable differences between the Asia-Pacific region 23 and elsewhere [7]. A lack of consistency in how guidelines are applied, as well as imbalances between the 24 expectations and practices of junior versus senior researchers, are common barriers to applying



- 1 recommended publication practices, and are commonly cited as reasons for publication retraction in the 2 Asia-Pacific region [7,11]. Similarly, while low in number, a higher incidence of retractions due to other 3 issues surrounding publication ethics, such as plagiarism, duplicate publication, fake peer review and breach of copyright, have been reported in Asia compared with other regions [11]. 4 5 In turn, potential bias against non-English speaking authors during the peer-review process has been 6 reported, independently of scientific quality [15]. While professional medical writing support improves 7 the quality of reporting of clinical trial results [16], researchers in the Asia-Pacific region can be reluctant 8 to acknowledge professional medical writing support because of perceived shame [6]. Consequently, 9 authors of medical and scientific manuscripts in the Asia-Pacific region are often perceived as not 10 adhering to recommended international publication practices. However, this opinion fails to consider the 11 significant barriers to applying Western publication ethics recommendations in the Asia-Pacific context, 12 especially in the absence of region-specific guidance to assist authors in understanding and navigating 13 guidelines issued by international bodies. Although not-for-profit organisations, such as the International 14 Society of Medical Publications Professionals (ISMPP), have held conferences in the region since 2014, 15 there is a need for published guidance that can reach a wider audience. 16 This manuscript aims to provide a guide for authors and publications professionals in the Asia-Pacific 17 region on applying the GPP3 and ICMJE guidelines when developing medical publications, particularly 18 publications derived from industry-sponsored research. Applying the Good Publication Practice 3 Guidelines in the Asia-Pacific Region 19 The GPP3 guidelines comprise 10 principles, as listed below, "to help individuals and organizations 20 21 maintain ethical and transparent publication practices and comply with legal and regulatory requirements 22 [2]", particularly in relation to the publication industry-sponsored research. We provide guidance for
- 23 applying these guidelines in the context of situations that are relevant to authors in the Asia-Pacific region

24 (**Table 1**).



Requirements for reporting research

- 2 1. The design and results of all clinical trials should be reported in a complete, accurate, balanced, 3 transparent, and timely manner. 4 The publication of clinical research, especially research that is specifically relevant to patient populations 5 in the Asia-Pacific region (e.g., Asian subgroup analyses) should be published in a timely manner. 6 Publication in English is encouraged, when possible, to maximise accessibility within the region and 7 around the world. English-language fluency should not be a barrier to publication in peer-reviewed journals, and many journals can recommend editing services to help improve writing quality. 8 9 All data from phase 2, 3 and 4 studies should be published in a form that is publicly accessible, regardless 10 of outcome. Phase 3 data should be published within 18 months of last patient last visit. Data can be made 11 available to the public prior to peer-reviewed publication via appropriate non-peer-reviewed methods, such as publication via a trial registry, preprint server such as bioRxiv or PeerJ preprints, or a publicly 12 13 accessible database. This can minimise delays in public data dissemination, provide transparency by 14 demonstrating the evolution of a manuscript as author comments are incorporated and improve the quality 15 of the manuscript by soliciting broad feedback from the scientific community prior in prior to, or in 16 parallel, with formal peer review at a journal. This approach should not compromise the ability to submit 17 to a peer-reviewed journal, but the publication policy of any target journal should be checked in advance. 18 Data generated as part of multinational studies that is relevant to the Asia-Pacific region is often delayed 19 due to subgroup analyses being published after the primary analysis, but any delays should be minimised. Therefore, it is recommended, subgroup analyses in Asian populations should be planned in advance to 20 help expedite publication. 21
- In some cases, patient populations in the Asia-Pacific region may be distinct from those assessed in
- international studies. For example, clinically relevant differences in efficacy, safety and/or
- pharmacokinetic properties may exist between Western populations and those in the Asia-Pacific region.



- 1 Under these circumstances, clinical researchers based in the Asia-Pacific region are encouraged to
- 2 expedite presentation of their data at regional conferences and to strive for publication in a peer-reviewed
- 3 journal.
- 4 2. Reporting and publication processes should follow applicable laws (for example, Food and Drug
- 5 Administration Amendments Act of 2007) and guidelines (for example, ICMJE recommendations and
- 6 reporting guidelines found on the Enhancing the QUAlity and Transparency Of health Research
- 7 [EQUATOR] Network).
- 8 All stakeholders should be aware of any relevant local laws that apply to clinical studies and the
- 9 dissemination of research findings, such as the "Korean Sunshine Act" (Article 47-2 of the
- 10 Pharmaceutical Affairs Act and Article 13-2 of the Medical Devices Act of Korea). Stakeholders based in
- the Asia-Pacific region should be conscious of, and respect, laws that extend beyond national borders,
- such as the US Foreign Corrupt Practices Act of 1997, US Sunshine Act of 2013 (when working with
- healthcare professionals based in the US), General Data Protection Regulations (when handling personal
- data from citizens of the European Union) and the UK Antibribery Act 2010.
- 15 In addition, several key guidelines have been translated into languages that are used in the Asia-Pacific
- 16 region. For example, the ICMJE guidelines are available in Japanese, Korean, Chinese and Persian, as
- well as several European languages. Chinese and Japanese translations of the GPP3 guidelines are also
- available (https://www.ismpp.org/gpp3-translations).
- 19 Authors in the Asia-Pacific region are encouraged to consult the EQUATOR guidelines, which provide an
- 20 effective checklist of key requirements for manuscripts. However, translations into Asian-languages can
- 21 be difficult to find, which represents a potential barrier to non-native English speakers. Furthermore,
- translations are not universal (eg, CONSORT is translated into Japanese, Chinese, Persian and
- 23 Vietnamese, but not Korean, while PRISMA is available in Japanese, Chinese and Korean, but not
- 24 Persian or Vietnamese). See Case Study 1 in the Supplementary Appendix for details of how applying the



- 1 EQUATOR Network guidelines when preparing a manuscript can improve outcomes for medical
- 2 publications.
- 3. Journal and congress requirements should be followed, especially ethical guidelines on originality
- 4 and avoiding redundancy (that is, duplicate publication).
- 5 Journal and congress requirements should be studied in advance of submitting research for publication.
- 6 Timely access to important information presented outside of the Asia-Pacific region may be limited for
- 7 residents of the region. Therefore, while the original presentation of regionally relevant data should
- 8 ideally occur within the Asia-Pacific region, encore presentations may be considered for data that is of
- 9 high interest. However, there are several key considerations in doing so.
- The possibility of an encore presentation at a later date should be raised with all authors at the time of
- 11 preparing the primary publication. This may be streamlined by providing a single authorship agreement
- that relates to the primary publication and any encore publications, subject to the ICMJE authorship
- criteria (see Table 1). This may include an agreement that additional authors may be added to encore
- presentations, for example, if the encore must be delivered by an author who is a speaker of a language
- other than English. The same authorship criteria used for journal publications should be used for congress
- 16 presentations. Furthermore, any prior presentation should always be acknowledged and a study identifier
- included as a link between data generated from a common study [17].
- 18 Authors and stakeholders should also enquire about whether encore presentations are accepted prior to
- submitting an abstract to a conference [17]. Copyright of the original conference should also be respected
- 20 in some cases, the original conference organiser may require that statements are made acknowledging
- 21 the original abstract, and that permission has been sought for re-use.
- 22 Any encore presentation should be consistent with the earlier presentation in its scope, but prepared in a
- manner that is appropriate for the conference and an Asia-Pacific audience [17].



- 1 Opportunities may exist to republish articles published in English in other languages. If republishing a
- 2 translated version of a publication, appropriate permissions from the copyright holder (journal and/or
- authors), journal editors and authors must be sought [18,19]. Appropriate efforts should also be made to
- 4 verify the accuracy of any translation and authors are recommended to consult and comply with the
- 5 guidance provided by the World Association of Medical Editors (WAME) and ICMJE on duplicate
- 6 publication in another language [18,19].

Roles and responsibilities of stakeholders

- 8 4. Publication planning and development should be a collaboration among all persons involved (for
- 9 example, clinicians, statisticians, researchers, and publication professionals, including medical
- writers) and reflect the collaborative nature of research and the range of skills required to conduct,
- analyze, interpret, and report research findings.
- 12 The publication of Asia-Pacific data derived from global studies should be planned in advance to limit
- any delay in the dissemination of relevant data in the region. These plans should be prospectively
- 14 communicated and approved by key stakeholders to streamline the publications process. Collaboration
- and engagement between stakeholders globally, and within the region, is encouraged to optimise
- outcomes. For example, individuals involved with publication planning in the Asia-Pacific region should
- 17 strive to integrate their plans with those of colleagues in other regions. Collaboration may help expedite
- 18 publication and provide an external perspective on the value of all data positive, negative or
- 19 inconclusive. This also helps avoid duplicate publication. In particular, authors should remember the
- value in publishing data that are not clearly positive result and should not conflate positive study results
- 21 with a positive reputation.
- 22 Examples of how publications professionals in the Asia-Pacific region can play an active role in
- publication planning are provided in Case Studies 2 and 3 in the Supplementary Appendix.



1 5. The rights, roles, requirements, and responsibilities of all contributors (that is, authors and any 2 nonauthor contributors) should be confirmed in writing, ideally at the start of the research and, in 3 all cases, before publication preparation begins. 4 The ICMJE and GPP3 guidelines clearly indicate the expectations of authors of manuscripts published in 5 peer-reviewed medical journals. Translated versions of these documents are available in Asian languages. 6 Furthermore, the Joint Position Statement from the American Medical Writers Association (AMWA), the 7 European Medical Writers Association (EMWA), and ISMPP, which is available in multiple languages, 8 including Chinese and Japanese, provides an overview of the role of professional medical writers in the 9 development of medical and scientific publications [20]. 10 All authors should be informed that they are required to meet all four of the ICMJE authorship criteria 11 before work on a publication begins (see Table 1). Where collaboration between authors is facilitated by a 12 study sponsor or professional medical writer, it is recommended that an authorship form is provided to each of the potential authors that explains these criteria, ensuring awareness and understanding of the 13 14 authors' responsibilities in advance. It may also be useful to provide additional documents explaining the 15 role of each stakeholder, their expectations and the boundaries of their responsibilities. Where a 16 professional medical writer is involved, authors must be asked if they agree to the writer's involvement 17 before work begins, provide input and approve the general content and direction of the publication 18 through all stages of development. Likewise, there should be a clear differentiation between the roles of 19 an editor, professional medical writer and a translator, as each provides a different service. 20 Sponsors or professional medical writers involved in the manuscript development process should provide 21 authorship agreements in a language that will be readily understood by authors. Alternatively, the 22 agreement should be written in 'plain English' that would be readily understandable for authors who 23 speak English as a second language. Authorship agreements should also be in place for all authors prior to 24 commencing work on a publication. This may also include defining the roles of the lead or first author 25 and corresponding author. An example of details to consider including in an authorship agreement and



- 1 why have been previously published can be found online
- 2 (https://www.ismpp.org/assets/docs/Education/AnnualMeeting/5thAM/PosterPresentations/author%20agr
- 3 eement%20forms.pdf) [21].
- 4 Potential authors should be identified at the outset of developing a manuscript. Lead authors may wish to
- 5 avoid defining authorship seniority until the time of submission, once relative contributions to manuscript
- 6 development are clear, allowing for discussion and mutual agreement. Ideally, consensus should be
- 7 reached among the authors regarding seniority.
- 8 Authors and study sponsors should consider, develop and proactively communicate processes for
- 9 managing situations where a proposed author does not meet the ICMJE criteria. Setting expectations at
- the outset may assist in ensuring engagement and contribution from all authors. If an author has not met
- the criteria to qualify for authorship, then the steps necessary to meet ICMJE authorship criteria should be
- reiterated and the prospective author given the opportunity to fulfil those criteria. Alternatively, the
- prospective author may be offered an acknowledgement.
- 14 Stakeholders must also be mindful of competing priorities. For example, in situations where following up
- with senior authors may not be culturally acceptable, a desire to avoid delays in submitting a manuscript
- for publication should not override the need for input and approval to submit from every author. It is
- 17 important to remember that senior authors may wish to offer comment and expert insight prior to
- submission, and that submission is dependent on their approval. However, all stakeholders need to be
- adaptable to different authors' methods of working and communication.
- 20 A case study on effective multinational collaboration in publication development in the Asia-Pacific
- region is provided in Case Study 4 in the Supplementary Appendix.

Authorship

22

- 1 6. All authors should have access to relevant aggregated study data and other information (for
- 2 *example, the study protocol) required to understand and report research findings.*
- $3 \qquad AND$
- 4 7. The authors should take responsibility for the way in which research findings are presented and
- 5 published, be fully involved at all stages of publication and presentation development, and be willing
- 6 to take public responsibility for all aspects of the work.
- 7 Explaining the roles and responsibilities of authors prior to developing a publication is essential. If a
- 8 group discussion among the authors and other stakeholders will be used to formally initiate publication
- 9 development, informally approaching individual authors in advance to ensure their understanding of their
- role and responsibilities (ideally by a speaker of their native language) may be helpful.
- All authors should contribute to the development of publications and approve the final version before it is
- submitted, as recommended by the ICMJE. As noted in GPP3, a maximum of 10 authors is recommended
- for an individual manuscript. Developing a manuscript with contributions from more than 10 authors,
- while ensuring that agreement is reached on the final content prior to submission, can be challenging to
- 15 achieve.
- In situations where authors are not comfortable providing feedback to their colleagues, an intermediary,
- 17 such as a professional medical writer or representative of the study sponsor, may assist with collating and
- 18 incorporating feedback from individuals. Any feedback requiring discussion amongst all authors can then
- be anonymised. The lead author may be asked to adjudicate on any conflicting comments. Alternatively,
- authors can provide consolidated comments representing the views of more than one author as part of the
- 21 revision process.
- 22 If an author has no comments during the review process, they should clearly communicate that they have
- thoroughly reviewed the manuscript. Some stakeholders may wish to use technology to electronically



2 used. 3 The scope of 'drafting the work or revising it critically for important intellectual content' has not been 4 clearly defined, but proposed definitions of what constitutes a substantial contribution to the development 5 of a manuscript have been published [22]. In the North American and European context; this has been 6 interpreted as authors providing feedback on numerous drafts of a manuscript. However, consideration is 7 needed as to what may be reasonably expected of authors in the Asia-Pacific region. Study sponsors and 8 professional medical writers may need to develop novel methods of engaging authors to maximise their 9 contribution. For example, when delivering a draft manuscript a study sponsor or professional medical 10 writer may schedule a face-to-face meeting with an author to allow them to dictate their comments. 11 Alternatively, senior authors in the Asia-Pacific region may prefer to only be asked for comment after 12 their junior collaborators have first provided their input. Whenever possible, authors' should be supported 13 through the publication process by a speaker of their native language to ensure understanding of roles and 14 responsibilities and accurate recording of comments. 15 Authors should be reminded that, by accepting authorship, they are jointly responsible for the validity of 16 the research and the integrity/accuracy of the data included in any publication. Therefore, all authors, 17 regardless of seniority, should have access to all data related to the study. For speakers of English as a 18 second language, care should be taken to ensure that any translation or English-language editing service 19 maintains the integrity of the publication. Academic discussion, led by the lead author or professional 20 medical writer, should be encouraged to resolve any disagreements. If an impasse is reach, an author may 21 wish to consider politely declining authorship. 22 Guest, honorary or gift authorship to authors who do not meet the ICMJE criteria must not be permitted. 23 While such authorship is commonly offered to Heads of Department and other senior researchers within 24 the Asia-Pacific region, these authors must provide a "Substantial contribution to the conception or design 25 of the work; or the acquisition, analysis, or interpretation of data for the work," performed under their

track the opening and review of documents, but should advise authors in advance if such technology is



- 1 supervision, in addition to critically reviewing and approving the submission of any resulting manuscript.
- 2 The US National Institutes of Health have provided a useful tool for assessing whether a supervisor
- 3 qualifies for authorship in this regard [23]. Likewise, it has been suggested that performing technical
- 4 editing, language editing or proofreading, collating author comments, and making minor corrections for
- 5 grammar, language, formatting or layout does not constitute a substantial contribution to the manuscript
- 6 [22].
- 7 It should be made clear how all authors have contributed to the supervision, conception, analysis and/or
- 8 interpretation of the research, for example, through contributorship statements in the cover letter and
- 9 manuscript (see Statement 8). Even if these senior researchers are ultimately responsible for the research
- 10 nominally performed under their supervision, this, by itself, does not qualify the researcher for authorship.
- Likewise, all individuals who qualify for authorship should be named as authors of a manuscript,
- including employees of study sponsors or junior researchers who have met the ICMJE criteria.
- Some study sponsors may have policies that require an employee of the sponsor be a named author. The
- involvement of the study sponsor in the manuscript development process should not be understated.
- Furthermore, in some instances, a professional medical writer may qualify as an author according to the
- 16 ICMJE authorship criteria (e.g., a review article where the medical writer did the literature research and
- drafted the article) and should be given authorship.
- 18 Instances of authorship being offered for sale, which have been reported in the Asia-Pacific region, are
- not acceptable under any circumstances [9].

Transparency

20

- 8. Author lists and contributorship statements should accurately reflect all substantial intellectual
- 23 contributions to the research, data analyses, and publication or presentation development. Relevant
- 24 contributions from persons who did not qualify as authors should also be disclosed.



- 1 Defining the scope of the 'intellectual contribution' of authors to research, including supervisors, mentors
- 2 and other potential contributors may be difficult, although many medical journals require authors to
- 3 define individual contributions in the manuscript and/or cover letter. Some journals provide examples of
- 4 authorship statements to guide authors. The US National Institutes of Health has provided a useful
- 5 pictorial guide of demonstrating what contributions may support a claim to authorship and the strength of
- 6 such claims [23]. This may be provided to authors to explain the expectations of surrounding authorship,
- 7 particularly if it is adapted and translated to meet local needs. Authors may also be offered a list of
- 8 potential contributions in their native language to provide a record of their contribution and help draft
- 9 contributorship statements for publications. The author list should only be revised during the peer review
- 10 process under exceptional circumstances.
- 11 The GPP3 publication provides statement templates that may be used to disclose funding sources for
- research, statistical analysis and professional medical writing or editing support [2].
- 9. The role of the sponsor in the design, execution, analysis, reporting, and funding (if applicable) of
- the research should be fully disclosed in all publications and presentations of the findings. Any
- 15 involvement by persons or organizations with an interest (financial or nonfinancial) in the findings
- should also be disclosed.
- 17 *AND*
- 18 10. All authors and contributors should disclose any relationships or potential competing interests
- relating to the research and its publication or presentation.
- Transparency regarding any relationships or potential competing interests relating to the research on both
- 21 an individual and institutional level should always be encouraged since disclosing potential or perceived
- 22 conflicts of interest is unlikely to negatively impact the chance of acceptance for publication [24].
- 23 Disclosure merely allows the reader to consider research in the context of the authors' potentially
- 24 competing interests.



- 1 Conflicts of interest have not been uniformly defined, but include financial, personal, social or other
- 2 interests that may be perceived as directly or indirectly influencing the conduct of the author with respect
- 3 to manuscript development [7,24]. Therefore, authors should carefully consider the conflict of interest and
- 4 disclosure policies of individual journals when submitting their research for publication. In lieu of
- 5 journal-specific guidance regarding disclosure, the ICMJE conflict of interest disclosure form should be
- 6 used (http://www.icmje.org/conflicts-of-interest/). Defaulting to authors having no conflicts of interest is
- 7 not recommended because failing to declare potential conflicts of interest is more likely to result in a
- 8 negative outcome both during the peer review process and post-publication than making appropriate
- 9 declarations [20]. Offering authors a tick-box list of commonly disclosures of potential conflicts of
- interest in their native language may also help prompt full disclosure.
- 11 Many journals do not require acknowledgement of individuals providing English-language editor services
- 12 or the source of funding for any such support. However, this support should be disclosed, as required for
- any other professional services used during manuscript development.
- 14 Financial compensation for authoring a publication or presentation is discouraged, although authors may
- be reimbursed for reasonable publication- or presentation-related out-of-pocket expenses, such as travel,
- accommodation and congress registration expenses.

17 Additional considerations

- 18 Open Researcher and Contributor Identifier (ORCiD) numbers
- All authors in the Asia-Pacific should be encouraged to register for an ORCiD identifier to facilitate clear
- 20 identification of individual authors. Cross-cultural differences in the use of first versus last names in the
- 21 Asia-Pacific region versus Europe and North America can make identifying common authors across
- 22 multiple manuscripts difficult.
- 23 Data sharing



23

24

1 Data sharing requirements have been introduced by the ICMJE and many journals require data sharing 2 statements to be incorporated into manuscripts [25]. Anecdotally, awareness of data-sharing requirements in the Asia-Pacific is low. Replicating efforts to communicate data-sharing requirements in medical 3 4 journals published in Asian languages, as has been done in local Polish [26] and Portuguese [27] journals, 5 may be a first step, in addition to general communication via journal instructions to authors, publications-6 focused conference and the ICMJE website. 7 Guidance on how data will be shared is lacking. Principles for sharing data that are not curated in the 8 English language is an ongoing concern, which may make compliance particularly onerous for 9 researchers in Asia-Pacific versus other regions worldwide. As such, it remains unknown how researchers 10 should interpret and manage any data sharing requests, and what potential barriers to data sharing may 11 emerge. Data sharing requirements may also need to be considered as part of the publication planning 12 process. Predatory journals and conferences: A clear and present danger 13 Institutions and researchers need to be vigilant regarding submitting to, remunerating and recognising the 14 15 legitimacy of so-called 'predatory' or 'pseudo' journals. There is currently no generally accepted definition of a predatory journal or conference, but common characteristics are deceptive conduct, a lack 16 17 of transparency, poor quality standards and unethical publication practices [28]. 18 In general, researchers should be wary of unsolicited communications offering opportunities to publish or 19 suspiciously low publication fees [29,30]. Publication in a predatory journal may have unforeseen 20 consequences, including reputational damage and its implications for career progression, the inability to 21 publish in a more reputable journal, a lack of visibility in commonly searched publication databases (eg,

Medline, Pubmed, EMBASE) and a risk of the manuscript being lost if the journal collapses [31]. If

unsure, manual verification of the journal and tools, such as journal selectors (e.g. Journal/Author Name

Estimator [JANE]) and thinkchecksubmit.org, are available to help researchers assess their journal choice



- 1 [32]. Accordingly, medical and research departments in developing Asian countries are encouraged to
- 2 educate both early-career and experienced researchers on ways to avoid fraudulent journals [32].

3 Leadership on publication ethics in the Asia-Pacific region

- 4 Journals, medical publications professionals, research institutions and leading researchers in the region
- 5 need to provide greater leadership regarding ethical publication practices. Several studies of the disclosure
- 6 requirements for journals in the Asia-Pacific region have illustrated inconsistent practices, with a
- 7 relatively high proportion of journals having no conflict of interest policy or requirement for disclosures
- 8 within published manuscripts [33-35].
- 9 Efforts to translate relevant guidelines into languages commonly used in the region are encouraged to
- improve the accessibility, understanding and application of ethical publication practices. To support this,
- bodies developing guidelines should consider allocating a translation budget to ensure timely production
- of high-quality translations. For example, readily accessible translations of EQUATOR Network
- 13 guidelines would represent an important step in advancing data reporting in the Asia-Pacific region.
- 14 A level of self-regulation and education is required to achieve improved acceptance and application of
- thical publication practices in the Asia-Pacific region, possibly driven by research integrity champions
- 16 [7]. Some steps have already been taken in this regard, for example ISMPP has held conferences in China,
- 17 India, Japan and Singapore to improve best publication practice, and the Association for the Promotion of
- 18 Research Integrity (APRIN) has provided online educational opportunities. Funding organisations, such
- as the science ministry, the health ministry and National Natural Science Foundation of China (NSFC) in
- 20 China have also introduced initiatives to combat unethical publication practices. [36] However, the
- 21 majority of attendees at such meetings are industry stakeholders who are already familiar with the ICMJE
- and GPP3 guidelines. Therefore, additional effort is needed from local government and regulatory bodies,
- 23 academic institutions, medical societies, and physician associations to promote widespread uptake and
- 24 application of relevant guidelines on ethical publication practices.



Conclusions

1

7

- 2 There is a lack of awareness and understanding of international guidelines on ethical publication practices
- 3 in the Asia-Pacific region. This review provides practical guidance for authors in the Asia-Pacific region
- 4 to align their publication practices with their international peers and improve the quality of their
- 5 publications. This is the first tailored practical guidance for the Asia-Pacific region and aims to act as a
- 6 foundation from which to build improved ethical publication practices in the region.

Declarations

- 8 Ethics approval and consent to participate
- 9 This article is based on previously conducted studies and does not contain any studies with human
- participants or animals performed by any of the authors.
- 11 *Consent for publication*
- 12 Not applicable.
- 13 Availability of data and material
- 14 Data sharing not applicable to this article as no datasets were generated or analysed during the current
- 15 study.
- 16 *Competing interests*
- 17 Blair Hesp, Katsuhisa Arai and Hazel Fernandez are members of the Organising Committee for the 2019
- 18 International Society of Medical Publications Professionals Asia-Pacific meeting. Blair Hesp, Katsuhisa
- 19 Arai, Magdalene Chu, Stefanie Chuah, Jose Miguel Curameng, Sandeep Kamat and Andrew Sakko are
- 20 employees of companies offering medical communications services to pharmaceutical, medical device,
- and diagnostics industries and authors within the Asia-Pacific region, including publication planning
- 22 consultancy and professional medical writing support. Blair Hesp is an employee and shareholder of



- 1 Kainic Medical Communications Ltd. Katsuhisa Arai is an employee of Envision Pharma Group.
- 2 Magdalene Chu and Jose Miguel Curameng are employees of MIMS (Hong Kong) Ltd. Stefanie Chuah is
- an employee of AMICULUM (Singapore) Pte Ltd. Sandeep Kamat is an employee of Cactus
- 4 Communications Pvt Ltd. Andrew Sakko is an employee of Syneos Health. Hazel Fernandez and Isaac
- 5 Ma are employees of AstraZeneca, a sponsor of clinical research performed in the Asia-Pacific region.
- 6 Blair Hesp, Andrew Sakko and Hazel Fernandez are ISMPP Certified Medical Publication Professionals.
- 7 Funding
- 8 The open access fee for publication in this journal has been funded by Kainic Medical Communications
- 9 Ltd.
- 10 Authors' contributions
- 11 BH, KA, AS and HF provided substantial contributions to the conception of the work. All authors
- substantially contributed to the acquisition, analysis, or interpretation of data for the manuscript and
- drafting, revising and critically reviewing the manuscript for important intellectual content. All authors
- approved final version of this manuscript to be published and agree to be accountable for all aspects of the
- work in ensuring that questions related to the accuracy or integrity of any part of the work are
- appropriately investigated and resolved.
- 17 Acknowledgements
- 18 All named authors meet the ICMJE criteria for authorship for this article, take responsibility for the
- integrity of the work as a whole, and have given their approval for this version to be published. The
- authors also wish the thank Jessica Millar PhD and Marissa Scandlyn PhD of Kainic Medical
- 21 Communications Ltd. (Dunedin, New Zealand) for reviewing and providing editorial feedback on the
- draft manuscript and Professor Karen Woolley and Mark Woolley PhD of Proscribe Medical Affairs,



- 1 Envision Pharma Group (Tokyo, Japan) for critical review and feedback during the manuscript
- 2 development process.

3 References

- 4 1. International Committee of Medical Journal Editors. Defining the role of authors and Contributors.
- 5 Available at: http://www.icmje.org/recommendations/browse/roles-and-responsibilities/defining-
- 6 <u>the-role-of-authors-and-contributors.html.</u> Accessed 10 August 2019.
- 7 2. Battisti WP, Wager E, Baltzer L, et al. Good publication practice for communicating company-
- 8 sponsored medical research: GPP3. Ann Intern Med. 2015;163:461–464.

- 3. Woolley K, Sun P. The yin and yang of medical writing in China. Medical Writing. 2013;22:83–
- 11 89.
- 4. Nature Index. Annual tables. Available at: https://www.nature.com/collections/fbfjafhcbb.
- Accessed 10 August 2019.
- 14 5. National Science Foundation. Science and engineering indicators. Available at:
- https://www.nsf.gov/statistics/2018/nsb20181/. Accessed 10 August 2019.
- 6. Wang Y. Medical writing in China: Trends and opportunities. Medical Writing. 2018;27:60–63.
- 7. Rohwer A, Young T, Wager E, Garner P. Authorship, plagiarism and conflict of interest: views and
- practices from low/middle-income country health researchers. BMJ Open. 2017;7:e018467.
- 19 8. Stretton S, Bramich NJ, Keys JR, Monk JA, Ely JA, Haley C, Woolley MJ, Woolley KL.
- 20 Publication misconduct and plagiarism retractions: a systematic, retrospective study. Curr Med Res
- 21 Opin. 2012;28:1575–1583.
- 9. Hvistendahl M. China's publication bazaar. Science. 2013;342:1035–1039.
- 10. Ghajarzadeh M. Guest authors in an Iranian journal. Dev World Bioeth. 2014;14:15–19.
- 24 11. Misra DP, Ravindran V, Agarwal V. Integrity of authorship and peer review practices: Challenges
- and opportunities for improvement. J Korean Med Sci. 2018;33:e287.



- 1 12. Qi X, Deng H, Guo X. Characteristics of retractions related to faked peer reviews: an overview.
- Postgrad Med J. 2017;93:499–503.
- 3 13. Amos KA. The ethics of scholarly publishing: exploring differences in plagiarism and duplicate
- 4 publication across nations. J Med Libr Assoc. 2014;102:87–91.
- 5 14. Beadling L, Leopold SS. Editorial: Why some authors make bad choices—peer review for hire and
- 6 other sad stories. Clin Orthop Relat Res. 2015;473:2441.
- 7 15. Saposnik G, Ovbiagele B, Raptis S, Fisher M, Johnston SC. Effect of English proficiency and
- 8 research funding on acceptance of submitted articles to stroke journal. Stroke. 2014;45:1862–1868.
- 9 16. Donnelly JA, Marchington J, Gertel A, Stretton S. Professional writers can help to improve clarity
- of medical writing. CMAJ. 2018;190:E268.
- 17. Foster C, Wager E, Marchington J, *et al.* Good practice for conference abstracts and presentations:
- GPCAP. Res Integr Peer Rev 2019;4:11.
- 18. International Committee of Medical Journal Editors. Uniform requirements for manuscripts
- submitted to biomedical journals: Writing and editing for biomedical publication. J Pharmacol
- 15 Pharmacother. 2010;1:42–58.
- 16 19. World Association of Medical Editors. Recommendation on publication ethics policies for medical
- 17 journals. Available at: http://wame.org/recommendations-on-publication-ethics-policies-for-
- medical-journals. Accessed 10 May 2019.
- 19 20. AMWA-EMWA-ISMPP Joint Position Statement on the Role of Professional Medical Writers.
- 20 Medical Writing. 2017;26:7–8.
- 21. Jones S, Cairns A. Author agreements what to include and why. Curr Med Res Opin. 2009;25
- 22 Suppl 1:S1–16.
- 22. Stocks A, Simcoe D, Toroser D, DeTora L. Substantial contribution and accountability: best
- authorship practices for medical writers in biomedical publications. Curr Med Res Opin.
- 25 2018;34:1163–1168.



- 1 23. National Institutes of Health Office of Intramural Research. General guidelines for authorship
- 2 contributions. Available at:
- 3 https://oir.nih.gov/sites/default/files/uploads/sourcebook/documents/ethical_conduct/guidelines-
- 4 authorship_contributions.pdf. Accessed 1 July 2019.
- 5 24. Sengupta S, Honavar SG. Publication ethics. Indian J Ophthalmol. 2017;65:429–432.
- 6 25. Taichman DB, Sahni P, Pinborg A, et al. Data sharing statements for clinical trials A requirement
- of the International Committee of Medical Journal Editors. N Engl J Med. 2017;376:2277–2279.
- 8 26. Alfonso F, Adamyan K, Artigou JY, et al. Data sharing: A new editorial initiative of the
- 9 International Committee of Medical Journal Editors. Implications for the Editors' Network. Kardiol
- 10 Pol. 2017;75:512–517.
- 27. Alfonso F, Adamyan K, Artigou JY, et al. Data sharing: A new editorial initiative of the
- 12 International Committee of Medical Journal Editors. Implications for the Editors' Network. Rev
- 13 Port Cardiol. 2017;36:397–403.
- 28. Cobey KD, Lalu MM, Skidmore B, Ahmadzai N, Grudniewicz A, Moher D. What is a predatory
- journal? A scoping review. F1000Res. 2018;7:1001.
- 16 29. Richtig G, Berger M, Lange-Asschenfeldt B, Aberer W, Richtig E. Problems and challenges of
- predatory journals. J Eur Acad Dermatol Venereol. 2018;32:1441–1449.
- 30. Shen C, Björk BC. 'Predatory' open access: a longitudinal study of article volumes and market
- characteristics. BMC Med. 2015;13:230.
- 20 31. Das KK, Vallabha T, Ray J, Murthy PS. Conflict of interest serious issue on publication ethics for
- 21 Indian medical journals. JNMA J Nepal Med Assoc. 2013;52:357–360.
- 32. Memon AR, Rathore FA. The rising menace of predatory publishing: Terms, concepts, and
- suggestions for Pakistani researchers. J Coll Physicians Surg Pak. 2018;28:579–580.
- 33. Kang BH, Moon JY, Chang Y, Koo YM, Koh Y. Current levels of conflict of interest disclosure in
- 25 medical publications from Korea. J Korean Med Sci. 2013;28:978–982.



- 1 34. Kojima T, Green J, Barron JP. Conflict-of-interest disclosure at medical journals in Japan: a
- 2 nationwide survey of the practices of journal secretariats. BMJ Open. 2015;5:e007957.
- 35. Yang L, Wang P, Yang R. Conflict of interest reporting in biomedical journals published in China.
- 4 Account Res. 2017;24:451-457.
- 5 36. Cyranoski D. China cracks down on fake peer reviews. Nature. 2017;546:464.



1 Table 1. ICMJE recommendations on authorship criteria

	Criteria
1	Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; AND
2	Drafting the work or revising it critically for important intellectual content; AND
3	Final approval of the version to be published; AND
4	Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

2 ICMJE, International Committee of Medical Journal Editors



Table 2. Definitions of common terms used in this manuscript

Criteria		
Authorship agreement	A statement provided to all authors of a publication prior to initiating publication development that explains the rights, roles, responsibilities and expectations of each of party to manuscript development (e.g., authors,	
	study sponsors, professional medical writers, translators etc.)	
Disclosures	Statements made by authors that provide full context to how their research is being presented, generally describing factors that could potentially be perceived as influencing their interpretation of their research.	
Encore presentation	Presentation of data at a conference that is similar to data presented at an earlier conference	
Gift authorship	Authorship granted to an individual who does not meet the ICMJE authorship criteria as a means of expressing gratitude to an individual or with the expectation of a receiving something of value in return.	
Guest authorship	Authorship granted to an individual who does not meet the ICMJE authorship criteria often in an attempt to leverage the reputation or standing of the individual, for example, to increase the perceived quality and/or profile of a publication.	
Honorary authorship	Authorship granted to an individual who does not meet the ICMJE authorship criteria out of respect for that individual.	
Publications	The full range of formats published in peer-reviewed journals (for example, original research articles, short reports, reviews, or letters to the editor) [2], as well as conference abstracts and presentations	



Publication plan	Plans for communicating research, including information such as the timing of submitting publications (both to conferences and peer-reviewed journals), selection of conferences and journals and proposed authors for
	each publication, amongst other relevant information
Publications professional	Professional medical writers, publication planners, and publication managers, usually working either in or for companies [2]
Regional publication	A publication plan that is developed with the aim of communicating research to an audience within a geographic scope.
plan	
Stakeholder	Any person or company who has an interest in the publications process, such as an author or study sponsor

ICMJE, International Committee of Medical Journal Editors



Table 3. Key recommendations for applying the GPP3 principles in the Asia-Pacific region

GPP3 Principle [1]	Key recommendations for the Asia-Pacific region
1. The design and results of all clinical trials should be reported in a complete, accurate, balanced, transparent, and timely manner.	 Clinical research that is relevant to patient populations in the Asia-Pacific region should be published in a timely manner, ideally in English, to maximise accessibility. All data from phase 2, 3 and 4 studies should be published in a form that is publicly accessible, regardless of outcome. Data that are not considered suitable for peer-reviewed publication should be made available via appropriate non-peer-viewed methods, such as publication via a trial registry, preprint server such as bioRxiv, or a publicly accessible database. Clinical researchers based in the Asia-Pacific region are encouraged to expedite presentation of their data at regional conferences and to strive for publication in a peer-reviewed journal.
2. Reporting and publication processes should follow applicable laws (for example, Food and Drug Administration Amendments Act of 2007) and guidelines (for example, ICMJE recommendations and reporting guidelines found on the Enhancing the QUAlity and	 All authors should be aware of any relevant local laws that apply to their research, as well as any laws that may apply to their co-authors and other stakeholders, such as study sponsors. Translations of key guidelines, such as the ICMJE guidelines, GPP3 and EQUATOR Network checklists should be consulted for clarity, especially by speakers of English as a second language.



	Transparency Of health Research	Guideline-issuing bodies are encouraged to expedite translations
	[EQUATOR] Network).	of guidelines into Asian languages to help educate and improve
		adherence in the Asia-Pacific region.
3.	Journal and congress requirements should be followed, especially ethical guidelines on originality and avoiding redundancy (that is, duplicate publication).	 Journal and congress requirements should be studied in advance of submitting research for publication. Encore conference presentations of research previously presented outside of the Asia-Pacific region may be considered for data that is of high regional interest and have not been presented or made readily accessible to local audiences, but care should be taken to ensure that proper approvals and disclosures are made. The possibility of an encore presentation at a later date should be raised with all authors at the time of preparing the primary publication. If republishing a translated version of a manuscript, appropriate permissions from the copyright holder (journal and/or authors), journal editors and authors must be sought prior to proceeding, and appropriate efforts made to verify the accuracy of any
		 translation [17,18]. The publication of Asia-Pacific regional or national data
4.	Publication planning and development should be a collaboration among all persons involved (for example, clinicians, statisticians, researchers, and	derived from global studies should be planned in advance to
		limit any delay and ensure timely dissemination of relevant data
		for patient care in the region.
		 Collaboration and engagement between stakeholders within and
		outside the Asia-Pacific region is encouraged to optimise



publication professionals,
including medical writers) and
reflect the collaborative nature of
research and the range of skills
required to conduct, analyze,
interpret, and report research
findings.

outcomes when additional specialist knowledge or skills to support publication development are required.

- 5. The rights, roles, requirements, and responsibilities of all contributors (that is, authors and any nonauthor contributors) should be confirmed in writing, ideally at the start of the research and, in all cases, before publication preparation begins.
- The ICMJE and GPP3 guidelines clearly indicate the
 expectations of authors of medical and scientific manuscripts
 published in peer-reviewed journals (as noted earlier, translated
 versions of these documents are available in Asian languages).
- All authors should be made aware of the contribution required to meet all four of the ICMJE criteria before work on a publication begins.
- Sponsors or professional medical writers involved in the publication process should provide authorship agreements in a language that will be readily understood by authors.
- Potential authors should be identified at the outset of developing a publication and participation from all authors throughout the manuscript development process is strongly recommended.
- Authors and study sponsors should consider, develop and proactively communicate processes for managing situations where a proposed author does not meet the ICMJE criteria.



6. All authors should have access to relevant aggregated study data and other information (for example, the study protocol) required to understand and report research

AND

findings.

7. The authors should take

responsibility for the way in which

research findings are presented

and published, be fully involved at

all stages of publication and

presentation development, and be

willing to take public responsibility

for all aspects of the work.

- If a prospective author has not met the ICMJE criteria for authorship, the steps required to achieve authorship should be explained and an opportunity provided to fulfil those criteria.
- All authors should contribute to the writing of a publication for submission to a peer-reviewed journal in accordance with the ICMJE criteria and approve the final version before submission.
- Informally approaching individual authors in advance of developing a publication to ensure their understanding of their role and responsibilities (ideally by a speaker of their native language) may be helpful.
- An intermediary, such as a medical writer or the study sponsor may assist with collating and incorporating feedback from individuals into a publication to anonymise feedback.
- If an author has no comments during the review process, they should clearly communicate that the publication has been thoroughly reviewed before offering no further comment.
- Study sponsors and professional medical writers may need to
 develop novel methods of engaging authors that take into
 account their preferred ways of working to maximise their
 contribution, while minimising the review burden, e.g. using
 face-to-face meetings or encouraging junior authors to
 contribute before approaching senior authors.
- Authors should be reminded that by accepting authorship they
 are jointly responsible for the validity of the research and the
 integrity/accuracy of the data included in a publication.



	Guest, honorary or gift authorship to authors who do not meet
	the ICMJE criteria must not be permitted.
	All authors must provide a "Substantial contribution to the
	conception or design of the work; or the acquisition, analysis, or
	interpretation of data for the work," performed under their
	supervision, in addition to critically reviewing and approving the
	submission of any resulting manuscript.
	All individuals who qualify for authorship are named as authors
	of a manuscript, including employees of study sponsors and
	junior researchers, when they meet the ICMJE criteria.
8. Author lists and contributorship	Defining the scope of the 'intellectual contribution' of authors
statements should accurately	to research may be difficult, but tools are available to guide this
reflect all substantial intellectual	decision [23].
contributions to the research, data	Individual contributorship statements for each author should be
analyses, and publication or	made as part of the manuscript and/or cover letter.
presentation development. Relevant	Authors should make use of statement templates regarding
contributions from persons who did	contributorship statements, and acknowledgment of funding and
not qualify as authors should also	medical writing/editing provided, by journals or in the GPP3
be disclosed.	publication [2].
	Authors should be named at the time of submission. The author
	list or order should only be revised under exceptional
	circumstances during the peer review process.
9. The role of the sponsor in the	Transparency regarding any relationships or potential
design, execution, analysis,	competing interests relating to the research on both an
reporting, and funding (if	individual and institutional level should always be favoured.
	<u> </u>



AND

applicable) of the research
should be fully disclosed in all
publications and presentations of
the findings. Any involvement by
persons or organizations with an
interest (financial or
nonfinancial) in the findings
should also be disclosed.

10. All authors and contributors
should disclose any relationships
or potential competing interests
relating to the research and its

publication or presentation.

- Conflicts of interest include financial, personal, social or other interests that may be perceived to directly or indirectly influence the conduct of the author with respect to manuscript development should be disclosed when submitting a manuscript to a peer-reviewed journal [6,18].
- The use of translation or English-language editing services, and the source of any funding for using such services should be disclosed.
- Defaulting to authors having no conflicts of interest is not recommended [20].
- Financial compensation for authoring a publication or presentation is discouraged, although authors may be reimbursed for reasonable publication- or presentation-related out-of-pocket expenses e.g. travel, accommodation and congress registration.

GPP3, Good Publication Practice 3; ICMJE, International Committee of Medical Journal Editors



1	SUPPLEMENTARY APPENDIX
2	Examples of sources of guidance on ethical publication practices
3	
4	American Medical Writers Association (AMWA)
5	• Code of ethics (https://www.amwa.org/page/code_of_ethics)
6	
7	Clarity and Openness in Reporting (CORE)
8	• Hamilton S, Bernstein AB, Blakey G, et al. Developing the Clarity and Openness in Reporting:
9	E3-based (CORE) Reference user manual for creation of clinical study reports in the era of
10	clinical trials transparency. Res Integr Peer Rev. 2016;1:4.
11	
12	Committee on Publication Ethics (COPE)
13	• Code of conduct (https://publicationethics.org/resources/code-conduct)
14	
15	Council of Science Editors (CSE)
16	CSE's white paper on promoting integrity in scientific journal publications
17	(https://www.councilscienceeditors.org/resource-library/editorial-policies/white-paper-on-
18	publication-ethics/)
19	



- 1 Enhancing the QUAlity and Transparency Of health Research (EQUATOR) Network reporting guidelines
- 2 (http://www.equator-network.org/)

- 4 International Society of Medical Publications Professionals (ISMPP)
- AMWA-EMWA-ISMPP Joint Position Statement on the Role of Professional Medical Writers.
- 6 Medical Writing. 2017;26:7–8.
- Battisti WP, Wager E, Baltzer L, et al. Good publication practice for communicating company-
- 8 sponsored medical research: GPP3. Ann Intern Med. 2015;163:461–464.

- 10 Medical Publishing Insights & Practices (MPIP)
- Clark J, Gonzalez J, Mansi B, et al. Enhancing transparency and efficiency in reporting industry-
- sponsored clinical research: Report from the Medical Publishing Insights and Practices Initiative.
- 13 Int J Clin Pract. 2010;64:1028–1033.
- Chipperfield L, Citrome L, Clark J, et al. Authors' submission toolkit: A practical guide to getting
- your research published. Curr Med Res Opin. 2010;26:1967–1982.
- Mansi BA, Clark J, David FS, et al. Ten recommendations for closing the credibility gap in
- 17 reporting industry-sponsored clinical research: A joint journal and pharmaceutical industry
- 18 perspective. Mayo Clinic Proc. 2012;87:424–429.
- Marušić A, Hren D, Mansi B, et al. Five-step authorship framework to improve transparency in
- disclosing contributors to industry-sponsored clinical trial publications. BMC Med. 2014;12:197.



Lineberry N, Berlin JA, Mansi B, et al. Recommendations to improve adverse event reporting in
 clinical trial publications: A joint pharmaceutical industry/journal editor perspective. BMJ.
 2016;355:i5078.

4

- 5 World Association of Medical Editors (WAME)
- Recommendation on publication ethics policies for medical journals.
 (http://wame.org/recommendations-on-publication-ethics-policies-for-medical-journals)
- World Association of Medical Editors Principles of Transparency and Best Practice in Scholarly
 Publishing (http://wame.org/principles-of-transparency-and-best-practice-in-scholarly-publishing)
- Statistical Analyses and Methods in the Published Literature [SAMPL] guidelines
 (http://www.wame.org/Docs/SAMPL-Guidelines-3-13-13.pdf)



- 1 Example case studies of the practical application of the Good Publication Practice 3
- 2 recommendations in the Asia-Pacific Region
- 3 Case study 1
- 4 A company based in the Asia-Pacific region developing a new diagnostic test enlisted the support of a
- 5 professional medical writer to help develop a manuscript demonstrating the performance characteristics of
- 6 their test and submit it to a high-impact factor peer reviewed journal. The manuscript underwent peer
- 7 review, and despite being recommended for publication after addressing the peer reviewers' minor
- 8 comments, a peer reviewer recommended that acceptance be conditional on a completed Standards for
- 9 Reporting Diagnostic accuracy studies (STARD) checklist being submitted. As the medical writer had
- applied the STARD guidelines when developing the manuscript, no changes were required to the
- 11 manuscript to meet the STARD requirements and the manuscript was immediately accepted upon
- 12 presentation of a completed checklist.
- 13 This case study illustrates the utility of EQUATOR Network checklists in supporting manuscript
- development and peer review processes.
- 15 Case study 2
- A publication professional starting a new role in in the Asia-Pacific region found that <5 publications
- 17 (conference presentations and peer-reviewed manuscripts) were being published each year. The
- 18 publications professional worked with their colleagues from around the world to identify local knowledge
- 19 gaps (a topic where knowledge and understanding is lacking or there is a need for increased awareness or
- 20 understanding) and developed a plan to address these knowledge gaps using scientific publications.
- 21 By presenting a publication plan for their local market that was aligned with their global colleagues, the
- 22 publications professional received an increased resource allocation from the global study sponsor,
- resulting in the local team increasingd publication output to 30 publications in the first year and 45 the



- 1 next year, many of which were encore presentations and review articles that targeted local unmet needs
- 2 and knowledge gaps.
- 3 Case study 3

- 5 A manuscript authors and a regional affiliate lost interest in pursuing a publication after a need for
- 6 additional data analyses was identified, but insufficient statistical support was available from the parent
- 7 company. This resulted in delays in data availability, and the publication could not be submitted in time
- 8 for the local launch of a vaccine that had already received marketing approval in the US and Europe.
- 9 To address this situation, a regional medical communications agency invested significant effort in
- 10 engaging the regional affiliate and authors to revive the manuscript development process, highlighting the
- 11 need for all stakeholders to play an active role in facilitating the publication of clinical trial data.
- 12 Case study 4

- 14 Cultural norms were making it difficult for a study sponsor to explain to authors what the ICMJE
- 15 authorship criteria for medical publications are and why they should be followed. This was compounded
- by professional medical writing support being provided in English by an overseas-based agency.
- 17 To address this problem, the study sponsor contracted a local medical writer to support the international
- team in facilitating conversations with authors during telephone conferences, including discussion
- 19 surrounding author responsibilities in publication development. Author participation in manuscript
- 20 development was also facilitated by accepting comments and communicating in Japanese. This process
- 21 was well received by both the study sponsor, other stakeholders and authors, providing a useful model for



- 1 engaging authors who do not speak English as a first language about the need to adhere to global
- 2 publications guidelines.

Case study 5

3

- 4 A professional medical writer was asked by an author based in the Asia-Pacific region to 'ghost write' a
- 5 review article and was disappointed when his input was requested. The author was not familiar with the
- 6 ICMJE authorship criteria and the role of a professional medical writer in supporting manuscript
- 7 development. This highlights the importance of establishing the roles and responsibilities of all
- 8 stakeholders before beginning to develop a manuscript, and preferably outlined as part of the authorship
- 9 agreement. If a professional medical writer is enlisted after manuscript development has started, a
- teleconference or meeting should be held to ensure all parties are aware of and agree with each other's
- 11 roles.

12

13 Case study 6

- 14 A professional medical writer was enlisted by the President of a national medical specialty society in the
- Asia-Pacific region who had secured financial support from a multinational pharmaceutical company to
- pay for medical writing and editing services. The medical writer was expected to collaborate with a
- technical working group comprising society members to adapt recommendations they had formulated for
- 18 managing a high-burden condition, but did not formally discuss the need to acknowledge financial and
- 19 medical writing support because both the sponsoring company and the writer at the outset.
- 20 After receiving a copy of the final draft, the manuscript was submitted, and accepted for publication by
- 21 the President, as corresponding author, without informing the sponsoring company or the medical writer.
- 22 The manuscript also failed to disclose financial or medical writing support.

- 2 This case highlights the importance of conducting a formal discussion amongst all stakeholders on the
- 3 need to appropriately disclose financial and related support for manuscript development so that all parties
- 4 are aligned on this reporting imperative.

5

6