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Corrigendum: Online photovoice to engage indigenous Cook Islands youth in the exploration of social and ecological wellbeing amidst a global disruption

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KEYWORDS

photovoice, Zoom, indigenous youth, local research partnerships, social and ecological wellbeing, global disruption, tourism, Pacific Island states

A corrigendum on

Online photovoice to engage indigenous Cook Islands youth in the exploration of social and ecological wellbeing amidst a global disruption

by Waegh, R. d., Teaurere, R., Orams, M., and Lück, M. (2023). *Front. Sustain. Tour.* 2:1172034. doi: 10.3389/frsut.2023.1172034

In the published article, there was an error in the caption of Figure 1 as published. “Endeman” should have been spelled “Endemann.” The corrected Figure 1 caption appears below.

Figure 1. The *Fonofale* model of health (Pulotu-Endemann, 2001).

In the published article, there was an error in the caption of Figure 2 as published. “Maua-Hodges” should have been spelled “Maua-Hodges’.” The corrected Figure 2 caption appears below.

Figure 2. The five Cook Islands values in Maua-Hodges’ *tivaevae* model (Hunter et al., 2018).

In the published article, there was an error in the caption of Figure 5 as published. “planation” should have been spelled “plantation” and “indigenous youth participant” should have been “an indigenous youth participant.” The corrected Figure 5 caption appears below.

Figure 5. Photograph of a taro plantation in Rarotonga, Cook Islands taken by an indigenous youth participant.

In the published article, the reference Hunter et al., 2015 was incorrectly written as Hunter, E., Thusanth, S., McCalman, J., and Gopalkrishnan, N. (2015). Mental health in the island nations of the Western Pacific: a rapid review of the literature. *Australasian Psychiatr.* 23, 9–12. It should be Hunter, R., Hunter, J., and Anthony, G. (2018). Joining the pieces of the *tivaevae* to enact strength-based mathematics for Pasifika students in Aotearoa New Zealand. Ipu Kereru. Retrieved 20 March 2023 from <https://nzareblog.wordpress.com/2018/05/29/tivaevae-1/>.

In the published article, the name of one of the authors was incorrectly spelled in the reference Pulotu-Endeman, 2001 as Pulotu-Endeman, F. (2001). *Fonofale Model of Health*. 15. Wellington, NZ: Mental Health Commission. It should be Pulotu-Endemann, F. (2001). *Fonofale Model of Health*. 15. Wellington, NZ: Mental Health Commission.

In the published article, there was an error. A correction has been made to **1. Foreign representations of indigenous peoples and places**, 1.1. *The risk of perpetuating foreign victimhood narratives of indigenous peoples*, paragraph 2. This sentence previously stated:

“In addition to the socio-economic and environmental impacts of colonial interventions and the promulgation of neoliberal development policies, studies demonstrate how colonization and Christianisation negatively impacted the ways of learning and education systems of Pacific Island societies (Taufe’ulungaki, 2004; Thaman, 2008; Johansson-Fua, 2016; Taumoeofolau, 2019).”

The corrected sentence appears below:

“In addition to the socio-economic and environmental impacts of colonial interventions and the promulgation of neoliberal development policies, studies demonstrate how colonization and Christianisation negatively impacted the traditional ways of learning and education systems of Pacific Islands people (Taufe’ulungaki, 2004; Thaman, 2008; Johansson-Fua, 2016; Taumoeofolau, 2019).”

In the published article, there was an error. A correction has been made to **1. Foreign representations of indigenous peoples and places**, 1.1. *The risk of perpetuating foreign victimhood narratives of indigenous peoples*, paragraph 2. This sentence previously stated:

“According to McCaffery and McFall-McCaffery (2010), the maintenance of is critical for Pacific communities, especially for those whose languages have been classified as endangered, such as Cook Island Māori and its dialects which have been replaced with the increasing use of the English language.”

The corrected sentence appears below:

“According to McCaffery and McFall-McCaffery (2010), the maintenance of language is critical for Pacific communities, especially for those whose languages have been classified as endangered, such as Cook Islands Māori and its dialects which have been replaced with the increasing use of the English language.”

In the published article, there was an error. A correction has been made to **1. Foreign representations of indigenous peoples and places**, 1.1. *The risk of perpetuating foreign victimhood narratives of indigenous peoples*, paragraph 2. This sentence previously stated:

“From this position, both indigenous and non-indigenous scholars argue that the introduction of literacy and the forced application of English transformed the oral traditions of Pacific island societies, thereby marking one of the most significant cultural and social changes in the region to date (Smith Tuhiwai, 1999; Hau’ofa, 2008; Thaman, 2008; Vaka’uta, 2011; Lange, 2017).”

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application of English transformed the oral traditions of Pacific Islands societies, thereby marking one of the most significant cultural and social changes in the region to date (Smith Tuhiwai, 1999; Hau’ofa, 2008; Thaman, 2008; Vaka’uta, 2011; Lange, 2017).”

In the published article, there was an error. A correction has been made to **1. Foreign representations of indigenous peoples and places**, 1.1. *The risk of perpetuating foreign victimhood narratives of indigenous peoples*, paragraph 4. This sentence previously stated:

“This in turn influences the self- image and aspirations of indigenous peoples through a processes known as the sociality of coloniality (Maldonado-Torres, 2013).”

The corrected sentence appears below:

“This in turn influences the self- image and aspirations of indigenous peoples through a process known as the sociality of coloniality (Maldonado-Torres, 2013).”

In the published article, there was an error. A correction has been made to **1. Foreign representations of indigenous peoples and places**, 1.1. *The risk of perpetuating foreign victimhood narratives of indigenous peoples*, paragraph 5, footnote 1. This sentence previously stated:

“In Cook Island Māori *E’Aito* means a warrior, and *Tiaki Ipukarea* means guardians of the land for future generations.”

The corrected sentence appears below:

“In Cook Islands Māori *E’Aito* means a warrior, and *Tiaki Ipukarea* means guardians of the land for future generations.”

In the published article, there was an error. A correction has been made to **1. Foreign representations of indigenous peoples and places**, 1.1. *The risk of perpetuating foreign victimhood narratives of indigenous peoples*, paragraph 6. This sentence previously stated:

“This is followed by a discussion on the adaptation of photovoice for online use to conduct remote qualitative data collection admits the global disruption of COVID-19.”

The corrected sentence appears below:

“This is followed by a discussion on the adaptation of photovoice for online use to conduct remote qualitative data collection amidst the global disruption of COVID-19.”

In the published article, there was an error. A correction has been made to **1. Foreign representations of indigenous peoples and places**, 1.2. *Indigenous Pacific understanding of wellbeing*, paragraph 4. This sentence previously stated:

“In addition to emphasizing the relationship between land and people, Pacific models of wellbeing are comprised of multiple individual elements from many small island nations, including Samoa, the Tonga, the Cook Islands, and Niue (Pulotu-Endemann and Tu’itahi, 2009).”

The corrected sentence appears below:

“In addition to emphasizing the relationship between land and people, Pacific models of wellbeing are comprised of multiple individual elements from many small island nations, including Samoa, Tonga, the Cook Islands, and Niue (Pulotu-Endemann and Tu’itahi, 2009).”

In the published article, there was an error. A correction has been made to **1. Foreign representations of indigenous peoples and places**, 1.2. *Indigenous Pacific understanding of wellbeing*, paragraph 6. This sentence previously stated:

“According to [Rongokea \(2001\)](#), the *tivaevae* patterns illustrate the social, cultural, historical, spiritual and religious, economic and political representations of Cook Island culture.”

The corrected sentence appears below:

“According to [Rongokea \(2001\)](#), the *tivaevae* patterns illustrate the social, cultural, historical, spiritual and religious, economic and political representations of the Cook Islands’ culture.”

In the published article, there was an error. A correction has been made to **2. The method: photovoice, 2.1. Modifying photovoice for culturally responsive research**, paragraph 2. This sentence previously stated:

“For instance, during the making of the *tivaevae*, the concept of *akari kite* (shared vision) holds great importance among Cook Islands women constructing the tapestry.”

The corrected sentence appears below:

“For instance, during the making of the *tivaevae*, the concept of *akairi kite* (shared vision) holds great importance among Cook Islands women constructing the tapestry.”

In the published article, there was an error. A correction has been made to **2. The method: photovoice, 2.1 Modifying photovoice for culturally responsive research**, paragraph 2. This sentence previously stated:

“Teremoana Maua-Hodges, a renown leader in Pasifika education, adopted the *tivaevae* metaphor to underpin education and research in culturally responsive ways ([Maua-Hodges, 2000](#)).”

The corrected sentence appears below:

“Teremoana Maua-Hodges, a renowned leader in Pasifika education, adopted the *tivaevae* metaphor to underpin education and research in culturally responsive ways ([Maua-Hodges, 2000](#)).”

In the published article, there was an error. A correction has been made to **2. The method: photovoice, 2.1 Modifying photovoice for culturally responsive research**, paragraph 2. This sentence previously stated:

“The application of *tivaevae* as theoretical model for culturally responsive education and research comprises five key values: *taokotai* (collaboration), *tu akangateitei* (respect), *uriuri kite* (reciprocity), *tu inangaro* (relationships), and *akairi kite* (shared vision).”

The corrected sentence appears below:

“The application of *tivaevae* as a theoretical model for culturally responsive education and research comprises five key values: *taokotai* (collaboration), *tu akangateitei* (respect), *uriuri kite* (reciprocity), *tu inangaro* (relationships), and *akairi kite* (shared vision).”

In the published article, there was an error. A correction has been made to **2. The method: photovoice, 2.1. Modifying photovoice for culturally responsive research**, paragraph 2. This sentence previously stated:

“According to [Rongokea \(2001\)](#), the value of having a shared vision is culturally responsive because it recognizes the principles of *akangateitei* (respect), *tu akakoromaki* (patience), and *tu kauraro* (humility).”

The corrected sentence appears below:

“According to [Rongokea \(2001\)](#), the value of having a shared vision is culturally responsive because it recognizes the principles of *tu akangateitei* (respect), *tu akakoromaki* (patience), and *tu kauraro* (humility).”

In the published article, there was an error. A correction has been made to **2. The method: photovoice, 2.1. Modifying photovoice for culturally responsive research**, paragraph 3. This sentence previously stated:

“The reciprocal practices between teachers and students, researchers and participants, families and communities, is also represented in the making of the *tivaevae* as women develop *urirui kite* (reciprocity) to produce *akairi kiti* (shared vision).”

The corrected sentence appears below:

“The reciprocal practices between teachers and students, researchers and participants, families and communities, are also represented in the making of the *tivaevae* as women develop *uriuri kite* (reciprocity) to produce *akairi kite* (shared vision).”

In the published article, there was an error. A correction has been made to **2. The method: photovoice, 2.1. Modifying photovoice for culturally responsive research**, paragraph 3. This sentence previously stated:

“In summary, the *tivaevae* is a collaborative process of developing relationship over time, whereby the weaving of the *tivaevae* symbolizes the cultural values of a society that are considered essential to creating and sustaining a healthy community ([Merriam and Mohamad, 2000](#)).”

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“In summary, the *tivaevae* is a collaborative process of developing relationships over time, whereby the weaving of the *tivaevae* symbolizes the cultural values of a society that are considered essential to creating and sustaining a healthy community ([Merriam and Mohamad, 2000](#)).”

In the published article, there was an error. A correction has been made to **2. The method: photovoice, 2.2. Adapting qualitative research for remote online data collection**, paragraph 1. This sentence previously stated:

“On a similar note, [Liebenberg \(2018\)](#) emphasize the importance of building rapport between participants and facilitators for conscious building and developing trust, particularly with photovoice studies that involve marginalized, rural, or vulnerable communities who may not be able to afford and/or have access to internet technology.”

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In the published article, there was an error. A correction has been made to **2. The method: photovoice, 2.2. Adapting qualitative research for remote online data collection, 2.2.1. Online photovoice research**, paragraph 3. This sentence previously stated:

“Video conferencing has also been used to gain access to larger and more diverse populations ([Deakin and Wakefield, 2014](#)), conduct research with participants over a large geographical spread ([Archibald et al., 2019](#)), interview more participants in a shorter amount of time eliminating travel ([Winiarska, 2017](#)), and reduce unpredictable circumstances, such as poor weather conditions that would deter participants from meeting face-to-face ([Sedgwick and Spiers, 2009](#)).”

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In the published article, there was an error. A correction has been made to **3. The Setting**, paragraph 1. This sentence previously stated:

“The Cook Island economy has been described as “a small, open economy, dependent on imports, and whose economic growth is heavily reliant on the export sector dominated by tourism services accounting for about 70% of economic output” (Cooke et al., 2021, p. 260).”

The corrected sentence appears below:

“The Cook Islands’ economy has been described as “a small, open economy, dependent on imports, and whose economic growth is heavily reliant on the export sector dominated by tourism services accounting for about 70% of economic output” (Cooke et al., 2021, p. 260).”

In the published article, there was an error. A correction has been made to **3. The Setting**, paragraph 3. This sentence previously stated:

“Much of the literature that explores the double exposure presented by the climate change-tourism nexus in the Cook Islands and other PICs societies have a tendency to focus on the economic impacts of a storm, rather than the social and/or ecological impacts (Adger et al., 2011; Hallegatte, 2016; Fankhauser, 2017).”

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“Much of the literature that explores the double exposure presented by the climate change-tourism nexus in the Cook Islands and other PICs have a tendency to focus on the economic impacts of a storm, rather than the social and/or ecological impacts (Adger et al., 2011; Hallegatte, 2016; Fankhauser, 2017).”

In the published article, there was an error. Throughout the article, “Korero o te ‘Orau” should have been spelled as “Korero o te‘Orau.”

In the published article, there was an error. A correction has been made to **4. The recruitment of indigenous youth participants**, paragraph 1. This sentence previously stated:

“Since the *Ā tui’anga ki te Tango* programme had only been in operation since 2017, there were limited available students that would be eligible to participate.”

The corrected sentence appears below:

“Since the *’Ātui’anga ki te Tango* programme had only been in operation since 2017, there were limited available students that would be eligible to participate.”

In the published article, there was an error. A correction has been made to **4. The recruitment of indigenous youth participants**, 4.1. *Photovoice data collection process*, paragraph 1. This sentence previously stated:

“However, this was not perceived as a challenge due to the remote nature of the research and the flexibility offered by modified online photovoice technique.”

The corrected sentence appears below:

“However, this was not perceived as a challenge due to the remote nature of the research and the flexibility offered by the modified online photovoice technique.”

In the published article, there was an error. A correction has been made to **4. The recruitment of indigenous youth participants**, 4.1. *Photovoice data collection process*, paragraph 4. This sentence previously stated:

“In this way, youth participants were free to respond to the open-ended questions as they wish, and the researchers probed these responses by asking follow-up questions to obtain additional information and gain a better understanding of the participants viewpoint (Adams et al., 2010).”

The corrected sentence appears below:

“In this way, youth participants were free to respond to the open-ended questions as they wish, and the researchers probed these responses by asking follow-up questions to obtain additional information and gain a better understanding of the participants’ viewpoint (Adams et al., 2010).”

In the published article, there was an error. A correction has been made to **5. Results: key lessons learned in applying photovoice and Zoom as research tools**, paragraph 1. This sentence previously stated:

“The aim of this article is to illustrate the potential of online photovoice through the use Zoom as a qualitative research tools to enable remote data collection while maintaining meaningful engagement with youth participants in the exploration of social and ecological wellbeing during the disruption of COVID-19.”

The corrected sentence appears below:

“The aim of this article is to illustrate the potential of online photovoice through the use of Zoom as a qualitative research tool to enable remote data collection while maintaining meaningful engagement with youth participants in the exploration of social and ecological wellbeing during the disruption of COVID-19.”

In the published article, there was an error. A correction has been made to **5. Results: key lessons learned in applying photovoice and Zoom as research tools**, paragraph 9. This sentence previously stated:

“Since the youth participants had only even participated in one photovoice project, there were not able to compare their online photovoice experience with in face-to-face photovoice project.”

The corrected sentence appears below:

“Since the youth participants had only ever participated in one photovoice project, they were not able to compare their online photovoice experience with a face-to-face photovoice project.”

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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