

Introduction

Since November 2011, monthly International Journal Club (IJC) has been a unique online faculty moderated forum for international simulation fellows to present and discuss peer reviewed simulation-based healthcare education articles. Fellows at the SimTiki Simulation Center University of Hawaii and the Peter M. Winter Institute for Simulation Education and Research (WISER) University of Pittsburgh selected and reviewed articles for presentation and discussion with participants. Following fellow presentation of an article simulation fellowship faculty from the fellowship programs moderated discussion. Simulation educators from around the Pacific Rim joined as participants and discussants. Here, we describe 10 years of experience with IJC.

Methods

- We conducted a retrospective descriptive study of data obtained from electronic records of IJC between November 2011 and May 2020.
- The monthly IJC agenda, presenting fellows' demographics, and selected journal articles from the online data management system, Simulation Information Management System (SIMS[®] UPMC) were extracted.
- Reviewed journals were categorized according to the Thomson Reuters Journal Citation Reports (JCR). One researcher (SO) reviewed abstracts and full-text articles to define the educational focus and related medical field. We describe the participants, journal articles, and IJC trends over 10 years.



Fig. 1. International journal club using Zoom online conference software

Table 1. The purposes of the International Journal Club

- To have a greater understanding of best practices in simulation-based medical education
- To critique and discuss study design of current simulation research and propose potential research designs for future studies
- To have an opportunity to present and discuss in English

Table 2. International Journal Club Scheduling

- Presenter: Fellow at SimTiki or WISER
- Participant: Fellow at SimTiki or WISER and Faculties of Pacific Rim
- Platform: GoToMeeting webinar platform/Zoom online conference software
- 15mins slide presentation, 30mins discussion
- Time difference

	Time Difference	Hours
Pittsburgh	UTC-5(-4)	7pm(8pm)
Honolulu	UTC-10	2pm
Japan	UTC+9	9am, next day
Korea	UTC+9	9am, next day
China	UTC+8	8am, next day
Malaysia	UTC+8	8am, next day
Thailand	UTC+7	7am, next day

Results

IJC initially used the GoToMeeting webinar platform (LogMeIn Inc., Boston, MA) and transitioned to Zoom online conference software (Zoom Video Communications, Inc., San Jose, CA) in 2019. One or two articles are selected by presenting fellows at SimTiki or WISER. Presenters provide a fifteen-minute slide presentation followed by thirty-minutes of discussion. The PICO framework of the presented articles guides discussion: Population (participants), Interventions (research design including setting and types of simulator used), Comparison (if appropriate), and Outcomes (measurements and analysis). Facilitated discussion following presentation is open to all online attendees.

Over the last 10 years, 91 IJC meetings were held and 134 articles were reviewed. A total of 88 international fellows from 10 countries participated. Most of the reviewed articles (97.8%) were selected from Web of Science journal list, and 58 were included in a JCR education category journal such as "Simulation in Healthcare". The remaining were a variety of clinical medicine journals. More than a third focused on education program assessment; pedagogy and debriefing were the next most common. Research fellows represented a spectrum of medical specialties, the medical fields, which was reflected in the diversity of medical topics represented in IJC articles.

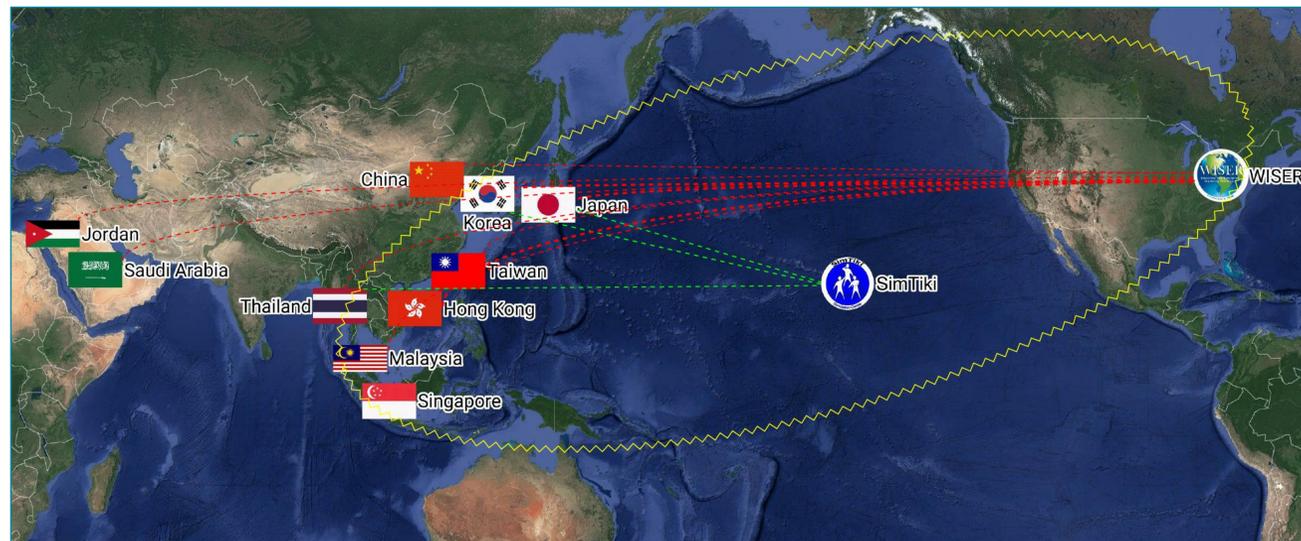


Fig. 2. Schematic map of the participating institutions and nationality of participating international research fellows

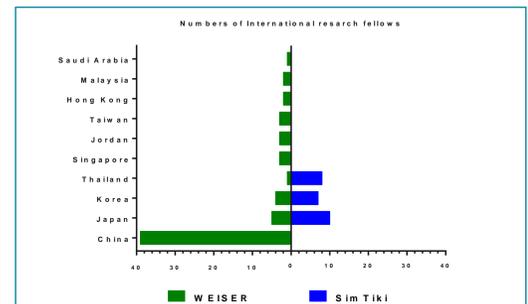


Fig. 3. Numbers of international visiting fellows in each institution

Table 1. Distribution of reviewed article

Medical field	Main Theme	
Surgery	Assessment	45
Resuscitation	Pedagogy	23
Pediatrics	Debriefing	15
Critical care	Development	14
Procedure	Team training	14
Anesthesiology	Technology	6
Others	Others	17

Conclusions

During the last 10 years, global participation and continuing education by regular meetings via online platform have been major advantage of IJC. IJC important as a resource of evidence-based simulation education and as a safe platform to present and discuss in English for international fellows and educators.

References

- Honey CP, Baker JA. Exploring the impact of journal clubs: a systematic review. *Nurse Educ Today*. 2011;31:825-831.
- Sortedahl C. Effect of online journal club on evidence-based practice knowledge, intent, and utilization in school nurses. *Worldviews Evid Based Nurs*. 2012;9:117-125.