ABSTRACT

Objectives While leadership is accepted as a crucial aspect of a successful resuscitation team, the role of followership has not been sufficiently explored. This study aims to explore physicians’ perceptions of common favourable followership in resuscitation teams in two different countries. 

Design A qualitative study with interviews and a reflexive thematic analysis. 

Setting The authors individually interviewed critical care and emergency physicians whose clinical experience exceeded 6 years in Japan and the USA. 

Participants A total of 18 physicians participated in a face-to-face, semistructured and in-depth interviews. 

Results Five themes and nine subthemes related to followership in resuscitation were identified. Under technical skills, two themes (being knowledgeable and skilled) and three subthemes (understanding guidelines/algorithms, clinical course and being competent with procedural skills), were generated. Under non-technical skills, three themes (assuming roles, team communication and flattening hierarchy) and six subthemes (taking roles spontaneously, calm tone of voice, sharing information, closed-loop communication, respectful attitude and speaking up), were generated. Each generated theme involved commonly perceived favourable attributes of followership in resuscitation teams by experienced critical care and emergency physicians in both countries. 

Conclusions This study clarified physicians’ perception of common favourable followership attributes in resuscitation teams, both in Japan and in the USA. The results of this study shed light on followership-focused resuscitation education, where followership skills are generally underestimated.

INTRODUCTION

Resuscitation training is a standard element of healthcare providers’ education globally. Previous research has identified non-technical skills in dynamic healthcare teams as leadership, communication, task management and situational awareness. Of these, leadership is traditionally accentuated in resuscitation training. The 2015 American Heart Association guidelines state that implementing team and leadership training is reasonable as part of advanced life support training. This intimates that in life support situations, a team leader with the ability to provide oversight of the team, provide guidance for specific tasks, and maintain a heightened level of situational awareness is needed. These guidelines, however, make no mention of followership. The 2015 European Resuscitation Council guidelines state that there is a need for not only leadership training, but also followership training in resuscitation education. However, the guidelines provide no further details regarding followership. Although a leader without followers would be nugatory to resuscitate a single patient, there has not been much focus on followership skills in this context.

Followership in healthcare is being increasingly recognised to have a social influence on the leadership function within hospitals in general. Followership in a clinical setting is hard to define. The followership behaviour of team members is a complex element of teamwork that incorporates role, skills and social interactions that compliments, enhances and enables both team and leader functions. In a qualitative study interviewing medical trainees in the UK, positive followership attributes were shown to be achieving.
and embracing change, doing the job and working with others. Furthermore, the leader–follower dynamic is influenced by the hierarchy of healthcare situations. Multidisciplinary professionals who work within an implicitly strong hierarchy frequently experience conflicts. In such hierarchical organisations, proactive followership plays an important role in better team performance, job satisfaction and patient safety.

Western countries have since started evaluating followership in the private business sector. Carsten identified effective followership qualities such as ‘proactive attitude,’ ‘expressing opinions,’ and ‘being a team player.’ Although this concept drew the attention of social psychologists, the word ‘followership’ was not seen in a favourable light. Kelley described the language of followership and its negative perception in English-speaking countries. This is in contrast with Asian countries, where the English word ‘follower’ did not originally exist, and paternalism and collectivism are lauded. Asian and Western countries have similarities and differences in both leadership and followership behaviours that are described in existing works. For example, a more direct leadership style and obedient followership are considered important in Japan because of the strongly paternalistic culture. In the USA, however, a less direct leadership style is needed—especially in highly professional jobs—because of strong individualism.

The followership-focused training model originated in the private business sector when Kelley published ‘The Power of Followership’ in 1992. Kelley explained that exemplary followers have high levels of both technical and non-technical skills. He asserted that the power of effective followership is underestimated and that it has a greater impact on team performance than leadership.

Exemplary followership in resuscitation, when time is limited, has not been described, and can be expected to differ from followership in private business and in non-emergency healthcare settings. From a global educational viewpoint, articulating common attributes of exemplary followership specific to a resuscitation team is imperative, because standardised resuscitation guidelines and training are already instituted worldwide. Moreover, resuscitation education is basically for novice trainees, therefore, emphasising leadership would not have an immediate impact on them because they would not yet be in a leadership role in real clinical resuscitation teams. Novice trainees would need followership training and its extensive feedback, which is more relevant to their practical work, and they can apply what they learnt immediately after training. We assumed that even in different countries or different local hospital cultures, there are common attributes for favourable followership in perceived successful resuscitation teams. We aimed to explore physicians’ common perception of favourable followership in resuscitation teams because commonalities of followership between countries and local cultures are relevant to novice physician trainees’ clinical practice and globalised resuscitation education, regardless of where they are trained.

Research question
This study aimed to explore experienced physicians’ common perceptions of the attributes of favourable followership, specifically in resuscitation teams, in two different countries.

METHODS
Design
We followed the Standards for Reporting Qualitative Research recommendations. This study was based on the constructionist epistemological paradigm because the study aims to explore how physicians in two different countries perceive favourable followership in resuscitation. The qualitative data were collected in 18 face-to-face, semistructured, in-depth and open-ended interviews that were audiorecorded. All the data were inductively analysed. A reflexive thematic analysis was employed to elicit subjective meanings, which involved generative coding and theoretical interpretations by the research team. We chose Japan and the US based on the availability of the participants and the feasibility of the study because of the characteristics of our research team. In this study, we defined followership as abilities, skills, knowledge, action, attitude and behaviour of members of a team, except for the leader, based on Kelley’s followership theory. Categorisation of technical and non-technical skills, which is common in describing teamwork skills, have been applied to our definition of followership. Therefore, we categorised abilities, skills and knowledge as technical skills, while action, attitude and behaviour, were categorised as non-technical skills.

Participant selection
Purposive sampling was directed to select physicians specialising in emergency medicine and critical care medicine—including adults, children, and newborns—and whose clinical experience exceeded 6 years. By 6 years, they would have completed their primary resident training period and would have been qualified as specialty physicians in emergency medicine and critical care medicine in both countries. Interviewees were selected based on their extensive clinical experience in resuscitation or in other emergency circumstances; these participants had experienced both followership roles and leadership roles during their careers. We intentionally selected some participants who had high experience in both clinical and simulation-based resuscitation education. We recruited participants from our investigators’ institute-related hospitals by asking for volunteers. Snowball sampling was employed to gather information and to access a specific group of people (mentioned earlier) working at university-based hospitals and tertiary-care children’s hospitals in Japan and the USA. The gender
and age of the participants were balanced as much as possible in both countries.

**Patient and public involvement**

No patients were involved.

**Data collection**

Individual, face-to-face interviews were performed in a private room at the participants’ hospitals or at the authors’ institutes, with only the interviewer and interviewee present. The interviews followed a semistructured interview guide—with word modification—that was developed based on a previous study that explored followership (Box 1).14 Their guide was designed to elicit participants’ perspectives of followership and the attributes they believe make followers effective. In the current study, we intentionally used neutral terms, such as ‘member’ or ‘teamwork’ instead of ‘follower’ or ‘followership’ to minimise possible bias among interviewees towards those words. During the interviews, they were asked to reflect on their most and least successful experiences in real resuscitation or any other emergency teams.

There was no repeat interview. Each interview lasted approximately 40–50 min. The first author (YA), who is Japanese and fluent in English, performed all interviews during the study period, January 2016–November 2017. Apart from three Japanese participants, the first author was unknown to the participants before undertaking this study. Further, the first author did not undertake any clinical or teaching activities locally alongside this research. All interviews were audiorecorded. Field notes were taken during the interviews to confirm the accuracy of the audio records immediately after each interview. None of the participants refused to answer the questions during the interview. Sample size and saturation were discussed in the analysis phase, regarding whether the data were rich enough to explore commonalities. Transcripts were not returned to participants for correction because the quality of the audio records was considered accurate enough in its details to be transcribed verbatim.

**Ethics**

Ethical concerns included maintaining the confidentiality of the sensitive information revealed in the interviews. All the participants were informed that the purpose of the study was to investigate exemplary followership attributes in the resuscitation team by asking clinicians’ real experiences of teamwork in resuscitation or any other emergency situations; participants provided written consent in their own languages. They were informed that their data were confidential and that they could withdraw from the study at any time.

**Data analysis**

The digitally recorded audio data were transcribed verbatim in the original languages by professional technical personnel of commercial-based transcription services. Coding software (NVivo, V.12, QSR International, Massachusetts, USA) was used for organising the data. First, the transcripts were imported in NVivo in the original languages. Next, a reflexive thematic analysis that involves generative coding and theorisation, developed by Braun and Clarke,23 27 was applied. Although an inductive and latent approach was used to identify ideas of followership throughout the analysis, we incorporated sensitising concepts from existing followership theory by Kelley.21 A constructionist approach was applied because this study aimed to explore how physicians perceived successful and unsuccessful resuscitation experiences, and the authors’ aim to identify common attributes for favourable followership in resuscitation in Japan and the US. We used six steps of thematic analysis.25 Japanese investigators (YA, TS, RI and YS) primarily initiated data analysis because they were academically proficient in both languages. Although this study was specifically on clinical resuscitation and emergency experiences, we assumed that TS, YS and RI could bring the perspectives of general healthcare providers and medical education researchers.

The transcribed data from both countries were analysed simultaneously. First, all the Japanese investigators read through the original verbatim transcribed data. Second, YA and YS individually performed selective coding in the original languages. Phrases or sentences that described followers’ abilities, skills, knowledge, actions, attitude, behaviour, feelings and environment were labelled in the original language with a short description of the contents. Phrases or sentences that describe leaders’ abilities, skills, knowledge, actions, attitude, behaviour, feelings and environment were not analysed, as leadership was not the main subject of this study. Third, all the Japanese investigators made a group agreement to combine codes to generate data-derived themes. At this stage, we generated all themes in the English language. After generating initial themes, YA and YS returned to the data and compared the themes to the data to ensure that the themes made sense, did not overlap, supported...
the main theme, and examined whether there were other themes within the data. Next, all the Japanese investigators defined and named the generated themes and categorised them into technical and non-technical skills. In this phase, American investigators (JL-J and BWB) participated in the analysis. Code saturation was assessed by all investigators at this phase to determine whether 18 interviews were sufficient to generate high prevalence codes repeatedly and to capture themes alongside the aim of this study. As for the writing, the Standards for Reporting Qualitative Research recommendation were used for writing the report. After the themes were generated, we conducted a member check, a qualitative research technique in which a respondent’s validation of the analysis confirms the authenticity of the interpretation. Participants confirmed that the generated themes were consistent with their narrative concepts.

RESULTS

Participants’ demographics are shown in Table 1.

From the thematic analysis of the interviews, five themes were generated as common favourable followership attributes in Japan and the USA. In technical skills, two themes and three subthemes were generated. In non-technical skills, three themes and six subthemes were generated (Box 2). After finishing all 18 interviews, we found that code saturation reached 80% within the first 14 interviews: 7 Japanese and 7 Americans. Another four interviews added 20% to the codes, generating no new themes or subthemes.

Technical skills

Being knowledgeable (11/18).
Understanding guidelines/algorithms.
Understanding clinical course of the patient.
Being skilled (10/18)
Being competent with procedural skills.

Non-technical skills

Assuming roles (14/18)
Taking roles spontaneously.
Team communication (17/18)
Calm tone of voice.
Sharing information.
Closed-loop communication.
Flattening hierarchy (13/18)
Respectful attitude.
Speaking up.

Box 2 Generated themes

<table>
<thead>
<tr>
<th>Technical skills</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Being knowledgeable</td>
<td>11</td>
</tr>
<tr>
<td>Understanding guidelines/algorithms</td>
<td>9</td>
</tr>
<tr>
<td>Understanding clinical course of the patient</td>
<td>9</td>
</tr>
<tr>
<td>Being skilled</td>
<td>10</td>
</tr>
<tr>
<td>Being competent with procedural skills</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-technical skills</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assuming roles</td>
<td>14</td>
</tr>
<tr>
<td>Taking roles spontaneously</td>
<td>14</td>
</tr>
<tr>
<td>Team communication</td>
<td>17</td>
</tr>
<tr>
<td>Calm tone of voice</td>
<td>17</td>
</tr>
<tr>
<td>Sharing information</td>
<td>17</td>
</tr>
<tr>
<td>Closed-loop communication</td>
<td>17</td>
</tr>
<tr>
<td>Flattening hierarchy</td>
<td>13</td>
</tr>
<tr>
<td>Respectful attitude</td>
<td>13</td>
</tr>
<tr>
<td>Speaking up</td>
<td>13</td>
</tr>
</tbody>
</table>

Table 1 Demographic and clinical characteristics of participants (N=18)

<table>
<thead>
<tr>
<th>Participant characteristics</th>
<th>N</th>
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</thead>
<tbody>
<tr>
<td>Nationality</td>
<td>Japan 9 USA 9</td>
</tr>
<tr>
<td>Gender</td>
<td>Men 10 Women 8</td>
</tr>
<tr>
<td>Age</td>
<td>30 s 5 40 s 10 50 s 3</td>
</tr>
<tr>
<td>Hospital characteristics</td>
<td>University-based hospital 8 Tertiary care general hospital 4 Tertiary care children’s hospital 6</td>
</tr>
<tr>
<td>Specialty</td>
<td>Emergency medicine 7 Paediatric 3 Critical care medicine 11 Paediatric/neonatal 3</td>
</tr>
</tbody>
</table>

Interviews showed that having a basic knowledge of resuscitation, such as updated guidelines and algorithms, was a fundamental factor for favourable followers. Based on that knowledge, understanding the clinical course of the patient was considered favourable, meaning holding a big picture of the patient that enabled the team to identify what needed to be done and anticipate what would happen next in resuscitation.

Understanding guidelines/algorithms

Understanding guidelines and algorithms were considered an essential factor for the team to share the same purpose and to move smoothly without delay caused by too much conversation. Participants reported that cardiopulmonary resuscitation would be smoother when everyone knew what needed to happen during the first couple of minutes; this includes getting a backboard, performing chest compressions, and putting leads and monitors on without much conversation.

Understanding the clinical course of the patient

Understanding the patient’s physiological clinical course, including treatments that had been provided and what would still be needed, was mentioned as favourable in both countries. Interviewees reported that understanding the clinical course provided members with a big picture of the patient and enabled them to anticipate what would happen next. Failing to anticipate further clinical events makes members ineffective, such as just doing unnecessary things, failing to prioritise actions or failing to find jobs that have not been completed.

Being skilled

Many participants described being skilled as being well-trained and experienced, and being able to correctly perform medical procedures.
perform specific procedures required during resuscitation, which enabled the team to run smoothly and quickly. This was considered synonymous with being clinically independent concerning technical skills. The necessary skills differed according to the disciplines and included drawing up drugs, placing intravenous catheters, placing chest tubes or endotracheal intubation.

Quotes that support themes generated in technical skills are listed in table 2.

### Technical skills

#### Being knowledgeable

<table>
<thead>
<tr>
<th>Technical skills</th>
<th>Quotes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understanding guidelines/ algorithms</td>
<td>‘Team members were used to CPR. They knew what to do.’ (JP-6) ‘Algorithms are quite helpful so that you don’t miss things and that things are done in an orderly and appropriate fashion.’ (US-16) ‘They should have the same mental model of what needs to happen perfectly in the first couple of seconds, right? Everyone knows you have to get the backboard, CPR, leads on, monitor on, and someone has to divide up and just take over the different tasks.’ (US-13)</td>
</tr>
<tr>
<td>Understanding clinical course</td>
<td>‘It’s important to understand the big picture of the patient. Then you will know what will happen next, what you will need, and what is lacking now.’ (JP-1) ‘I feel the best part of that situation was everyone knew exactly what happened from start to finish.’ (US-9) ‘Members didn’t know what was happening to the patient, didn’t know what to do. Just doing unnecessary things just in front of their eyes.’ (JP-9)</td>
</tr>
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</table>

#### Being skilled

<table>
<thead>
<tr>
<th>Technical skills</th>
<th>Quotes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Being competent with procedural skills</td>
<td>‘Nurses who had extensive training were there, they pulled the drugs as soon as they noticed bradycardia.’ (JP-1) ‘I felt I was struggling when members had not been trained and unskilled.’ (JP-3) ‘They were doing things correctly. My assessments felt the CPR person was doing things well.’ (US-13) ‘Having competent team made things run around a lot better, smoother, faster.’ (US-16)</td>
</tr>
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</table>

### Non-technical skills

#### Assuming roles

**Taking roles spontaneously**

Multiple roles exist in a resuscitation team. According to the participants, successful role dissemination within the team was crucial for successful resuscitation. Importantly, participants mentioned that exemplary followers took roles spontaneously without being told by the leader. Most interviewees considered that every member should think and act spontaneously, and not wait for the leader’s directions to perform their roles according to their disciplines. In other words, accepting certain roles spontaneously and focusing on the completion of the responsibilities are important attributes for exemplary followers.

#### Team communication

Willingly communicating was mentioned as a desirable followership behaviour in resuscitation. The concept of communication referred to different behaviours and actions, including ‘having a calm tone of voice’, ‘sharing information’ and ‘closed-loop communication’.

#### Calm tone of voice

Having a calm tone of voice, even when patients need emergency care and time is limited, was considered a highly positive attribute of followers. A chaotic tone of voice was specifically cited as a negative feature. Interviewees mentioned that the tone of voice tended to be louder because everyone tried to make their voice heard, resulting in a chaotic situation, which was perceived as a negative experience.

#### Sharing information

Participants discussed that it was essential to be verbal and let all the other members know what was happening and how they interpreted the situation. Our interviewees explained that if the team failed to share information, there would be a disruption in the chain of communication and considerable delay in making important decisions.

#### Closed-loop communication

Interviewees mentioned that closed-loop communication is a fundamental factor for favourable followers, and it enabled all team members to understand how far the resuscitation was proceeding. They described closed-loop communication as checking back and forth about the specific activity being assigned and completed within the team.

#### Flattening hierarchy

Hierarchy-related issues were often mentioned in the interviews. Interviewees described that hierarchy-related issues in resuscitation teams occurred concerning team members’ age, years of clinical experience or occupations in both countries. Older or more experienced members or physicians may be considered superior to other members. The oldest physician was not always the leader of the team; however, team members assumed that they had to obey the older or more experienced physician.
Respectful attitude

A respectful attitude was considered crucial for successful resuscitation teams, according to participants. A respectful attitude towards other professionals’ backgrounds and their experience was deemed as favourable followership behaviour.

Speaking up

Speaking up was described as asking questions and making suggestions or recommendations, especially when the team experienced uncertainty. They recognised that speaking up in resuscitation was important for patient safety, yet difficult, because of the hierarchy related to members’ age, years of experience, and occupations. Interviewees mentioned that it was difficult to communicate different ideas during resuscitation if members felt they were not listened to. There were some preferable ways to raise the potential problems in the conversation. For example, one should make recommendations at least three times as your professional responsibility for the patient, and use constructive and positive ways to ask questions, such as, ‘Are you sure that’s what you want to do?’ or ‘Did I hear you right?’

Quotes that support themes in non-technical skills are listed in table 3.

Table 3 Non-technical skills for followership in resuscitation themes, subthemes and quotes

<table>
<thead>
<tr>
<th>Non-technical skills</th>
<th>Quotes</th>
</tr>
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<tbody>
<tr>
<td><strong>Assuming roles</strong></td>
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<tr>
<td>Taking roles spontaneously</td>
<td>‘I like people to move without the leader’s direction. I think it’s preferable that members know their natural roles and do the job without waiting to be told.’ (JP-2)</td>
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<td></td>
<td>‘Simultaneously, everyone was just going into their roles. And the right people got to the right locations and things were happening simultaneously in a contemporaneous manner.’ (US-13)</td>
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<td></td>
<td>‘Everyone started to do the same thing at the same time! Just like a kid’s soccer game. There was no clear sharing of roles.’ (JP-5)</td>
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<tr>
<td><strong>Team communication</strong></td>
<td></td>
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<tr>
<td>Calm tone of voice</td>
<td>‘When we had trauma patient, it was good because they were calm. There was a trauma team, no one was screaming. If someone heated up, then others calmed down the person.’ (JP-4)</td>
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<td></td>
<td>‘I’ve seen people that are inappropriate, yelling at people, and things just don’t happen as quickly, or just being very timid, unsure of themselves, and so then the rest of the team loses faith in them.’ (US-16)</td>
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<tr>
<td>Sharing information</td>
<td>‘I want my team members to be very verbal stating of what they are doing right now, and things has been done or not done yet. For example, ‘I am getting IV.’ or ‘I am ordering chest X-ray,’ and so on.’ (JP-2)</td>
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<td></td>
<td>‘I felt it was good to have three different teams working and communicating. We gave information as things were going right—for the part we were doing—I could see that all those parts were going well while each of the minor procedure was going on.’ (US-13)</td>
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<tr>
<td>Closed-loop communication</td>
<td>‘For example, cross check what one is doing with each other, how far it is proceeding.’ (JP-1)</td>
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<td></td>
<td>‘There’s always what we call closed link communications, if the leader said, ‘Okay, I would like XYZ done.’ And then, whoever it is will say, ‘Okay, XYZ done.’ So, having that back and forth feedback.’ (US-15)</td>
</tr>
<tr>
<td><strong>Flattening hierarchy</strong></td>
<td></td>
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<tr>
<td>Respectful attitude</td>
<td>‘There was no one who was very dominant over anyone else. The ideas were very willingly shared among all the provider regardless of their role. They were respectful. Like respect for their knowledge backgrounds, respect for their experience.’ (US-10)</td>
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<tr>
<td></td>
<td>‘I think it was problematic because there was not a good organization, but also kind of creating an environment where people are shut down.’ (US-15)</td>
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<tr>
<td>Speaking up</td>
<td>‘I guess the age or experience definitely has big influence on a team. If they really think about the patient, doctor’s age does not matter. People should say what they needed to say even your age was younger than the leader. If the leader said no to your suggestion, but you had better idea, try the second time. If you tried three times and the leader still ignores, then it is a problem.’ (JP-7)</td>
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<td></td>
<td>‘Then you have to let the leader know that because you don’t want to do the wrong thing on a patient. If you think it is wrong, and you have to phrase that in such a way to say, ‘Wait a second, are you sure that’s what you want to do?’ And I’ve seen that was done as well at a check back. That’s really hard to say no to someone when you know it’s potentially wrong, but it’s your duty for the patient to say it’s wrong.’ (US-12)</td>
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</table>

DISCUSSION

This is the first study to explore common favourable followership attributes specific to resuscitation teams by interviewing resuscitation professionals from two different countries: Japan and the USA. Our interviews and analysis generated five themes and nine subthemes in followership in resuscitation. Our findings not only reinforce the existing followership theory but also elaborate on the characteristic attributes for exemplary followers in resuscitation teams. Based on these findings, we can make recommendations to refocus resuscitation education by articulating exemplary followership attributes specifically for resuscitation teams.
First, exemplary followers should have knowledge and job skills at a mastery level and perform their roles spontaneously, in keeping with Kelley’s theory of followership. In a resuscitation team, this translates to members taking on specific roles that match their disciplines or capabilities, according to their training level. Brahmajee et al reported that effective resuscitation teams in top-performing hospitals defined clear roles and responsibilities of team members, before resuscitation or early during resuscitation. Many interviewees in our study mentioned that it was favourable for the leader not to assign every single role. Instead, they preferred that followers spontaneously took their natural roles and performed their tasks independently and correctly. Moreover, it is not desirable if multiple members overlap in the same role at the same time. Participants indicated that exemplary followers did not have overlapping roles; instead, they would identify and take other roles that no one had been doing. There may be a gap between reality and traditional resuscitation education, which typically focuses on the leader’s obligation to assign the roles. Previously reported assessment instruments have specific items for individual leadership and teamwork as a collective, but not for individual followers. Consequently, the leader receives intensive feedback for the assignment of roles; however, other learners do not receive individualised feedback for taking roles spontaneously. It is therefore clear that resuscitation training needs to include followership assessment measures to provide feedback to all learners. The development of a validated followership assessment instrument in resuscitation can be a further area of research.

Next, team communication was identified as a crucial skill. Team communication includes a variety of factors, such as what should be verbalised and how it should be said during a resuscitation. The most specific communication style for resuscitation teams was ‘closed-loop communication’. This is a well-established way of communicating during resuscitation, in which there is a verbal response to every communication. In addition to closed-loop communication, which is the current best practice, there were two more sub-themes in team communication. What should be verbalised was related to the subtheme of ‘sharing information’. Ideal followers should verbalise what activity they are performing to let other members know, as each individual is occupied by their tasks. At the same time, how the information should be communicated was another important subtheme: ‘calm tone of voice’. The tone of voice is a key factor that reflects emotions in human communication. A preferable tone of voice for leaders has been reported as calm, clear and direct. Interviewees in this study preferred a followers’ tone of voice to be calm and assertive, not chaotic. A calm tone of voice may influence team trust, which is essential for perceived successful resuscitation. Conversely, yelling might intimidate other members, resulting in a reluctance to take roles or make suggestions and unsuccessful resuscitation. Our findings indicate that controlling one’s tone of voice seems to be a major issue and that this could be a vital area of training during resuscitation education. Voice training in resuscitation is a further area of research, which could be feasible by using audio or video, according to a previous study on communication training methods for healthcare professionals.

Finally, the majority of interviewees from both countries experienced hierarchy-related issues. Hierarchy-related issues have been persistently reported as a major experience in healthcare. Our findings identified hierarchical factors such as age, years of experience and being physicians, which all have a considerable impact on teamwork during resuscitations in both countries. Japanese interviewees described older and more experienced physicians as always giving orders instead of supporting the leading younger physicians. They further explained that this was due to the belief that the most senior physician should take control, regardless of their expertise. This is in keeping with Japanese culture, which has a higher power distance than the USA. Power distance is defined as the extent to which the less powerful members of organisations within a country expect and accept that power is distributed unequally. The US interviewees mentioned more positive experiences, indicating that team members had a more respectful attitude than Japanese interviewees. Regarding hierarchy-related issues, ‘speaking up’ was perceived as an important attribute of favourable followers by interviewees from both countries, which was similar to previously reported findings. Our study participants expressed that speaking up could contribute to patient safety. Speaking up is crucial to avoid potential medical errors, especially in complicated situations. However, speaking up behaviours have been reported to be psychologically uncomfortable for healthcare workers. Japanese interviewees considered this behaviour as an important quality for exemplary followers, similar to US interviewees; however, they specified that it was difficult to do so in real life because of the relatively high power distance in Japanese culture.Acknowledging the impact of the cultural background on followership behaviours may help educators in their approach when teaching communication strategies during resuscitation training.

The findings in our study suggest that specific technical and non-technical skills are required for followers in resuscitation teams to function effectively. It is also noted that there may be an overlap between followership and leadership attributes, considering our results and those of previous a study. For example, an effective leader needs profound knowledge of resuscitation algorithms, explicit communication, hierarchy reducing attitude and asking questions that highlight perceived problems. As one interviewee described, learning how to follow is learning how to lead. This idea embodies the main concept behind followership: the ‘forgotten key to leadership’.
CONCLUSION
This study described physicians’ perceptions of common favourable followship attributes in resuscitation teams both in Japan and the USA. The results of this study contribute to exemplary follower-centric skills and behaviours that should be focused on during resuscitation education internationally.

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Contributors
YA contributed to conceptualisation, methodology, resources, investigation, data curation, formal analysis, writing and visualisation of data. RI and TS contributed to methodology, validation, formal analysis and review and editing. J-LJ contributed to resources, formal analysis, review and editing. BBW contributed to resources, formal analysis, review and editing, supervision and project administration. YS contributed to methodology, validation, formal analysis, review and editing, supervision and project administration.

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Competing interests
None declared.

Patient consent for publication
Not required.

Ethics approval
All the study participants provided written informed consent. This research was approved by Institutional Review Board at Gifu University Graduate School of Medicine on 9 July 2014. (#26–99) and University of Hawaii Human Research was approved by Institutional Review Board at Gifu University Graduate School of Medicine on 3 August 2015. (#23224).

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Data availability statement
No data are available.

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