The natural history of recovery for the healthcare provider “second victim” after adverse patient events

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ABSTRACT

Background: When patients experience unexpected events, some health professionals become “second victims”. These care givers feel as though they have failed the patient, second guessing clinical skills, knowledge base and career choice. Although some information exists, a complete understanding of this phenomenon is essential to design and test supportive interventions that achieve a healthy recovery.

Methods: The purpose of this article is to report interview findings with 31 second victims. After institutional review board approval, second victim volunteers representing different professional groups were solicited for private, hour-long interviews. The semistructured interview covered demographics, participant recount of event, symptoms experienced and recommendations for improving institutional support. After interviews, transcripts were analyzed independently for themes, followed by group deliberation and reflective use with current victims.

Results: Participants experienced various symptoms that did not differ by sex or professional group. Our analysis identified six stages that delineate the natural history of the second victim phenomenon. These are (1) chaos and accident response, (2) intrusive reflections, (3) restoring personal integrity, (4) enduring the inquisition, (5) obtaining emotional first aid and (6) moving on. We defined the characteristics and typical questions second victims are desperate to have answered during these stages. Several reported that involvement in improvement work or patient safety advocacy helped them to once again enjoy their work.

Conclusions: We now believe the post-event trajectory is largely predictable. Institutional programs could be developed to successfully screen at-risk professionals immediately after an event, and appropriate support could be deployed to expedite recovery and mitigate adverse career outcomes.

BACKGROUND

The Institute of Medicine report, To Err is Human, described staggering numbers of projected deaths each year as a result of preventable medical errors.1 Although these numbers are deeply disturbing, what accompanies each of these errors are countless health professionals closely involved in the event. Post-event investigations often reveal that experienced, well-intentioned staff are surrounded by complex clinical conditions, poorly designed processes and suboptimal communication patterns. These events leave a devastating personal and professional toll on staff.

During the mid-1980s, publications started appearing in the literature, which showcased numerous personal stories relaying intense feelings of incompetence, inadequacy or guilt after a medical error.2-5 The personal stories were followed by accounts declaring a need for institutional support.6-12 The term second victim was initially coined by Wu13 in his description of the impact of errors on professionals. Others proposed that second victims experience post-traumatic stress disorder.14 Wolf et al15 described a unique, traumatic response by second victims in terms of emotional, social, cultural, spiritual and physical characteristics. A survey of more than 3000 physicians validated that, when involved in medical errors, emotional distress is prevalent and support was needed but was largely unaddressed.16 Crigger17 described intense struggles given a traditional image of perfection among healthcare professionals. Human fallibility versus perfection is not deeply integrated within many health professional training programs, so preparation for medical error consequences is far from developed.18 Rossheim19 warns about excellent clinicians who may leave the profession prematurely when involved in a preventable error. Two decades after this issue was first described, White et al20 stressed the need for institutional commitment and support to address second victim needs and that most facilities probably had untapped internal resources. Denham21 proposed the formalization of second victim “rights” so that an automatic institutional response is stimulated.

The University of Missouri Health Care (UMHC) is an academic healthcare system in the Midwest that provides comprehensive healthcare services through primary care, inpatient acute care, long-term acute care and outpatient clinics. The Office of Clinical Effectiveness’ (OCE) mission for UMHC is to transform the safety culture and manage the institutional response to preventable events and unexpected outcomes. During numerous event investigations, we became acutely aware of professional suffering and began to look for answers about this phenomenon and how to support our valuable care givers. To quantify the prevalence of the phenomenon at UMHC, two items were added to an internal patient safety culture survey22 assessment in May 2007. Almost one in seven staff (175/1160) reported they had experienced a patient safety event within the past year that caused personal problems such as anxiety, depression or concerns about the ability to perform one’s job. Furthermore, 68% of these reported they did not receive institutional support to assist with this stress.

As a result of our internal findings and after studying support infrastructures from Critical Incident Stress Management techniques23-25 and a formal support network for patients, families and
clinicians known as Medically Induced Trauma Support Services,
the OCE initiated a focused and deliberate set of
actions and a research plan to gain a better understanding of what
seemed to be somewhat predictable responses to the experience. A
committee was commissioned to further explore care giver
experiences and to define institutional support for what has been
described as the darkest hour of one’s professional career. The following consensus definition of second victims was reached to
help drive identification of these individuals:

Second victims are healthcare providers who are involved in an
unanticipated adverse patient event, in a medical error and/or a
patient related injury and become victimized in the sense that the
provider is traumatized by the event. Frequently, these
individuals feel personally responsible for the patient outcome.
Many feel as though they have failed the patient, second guessing
their clinical skills and knowledge base.

This article describes and characterizes the information
obtained through this qualitative exploratory study of the
experiences and recovery trajectory of past second victims.

METHODS
After approval from the institutional review board for this
unfunded study, the OCE identified professionals involved with
patient safety event investigations between 2003 and 2007. A
25-item semistructured interview guide was developed and
included personal and professional demographics, participant
recount of adverse event circumstances, physical/psychosocial
symptoms experienced and recommendations for improving
post-event support (table 1).

After a planning meeting where the protocol was delineated,
the four-person interview team, consisting of two safety/risk
management experts, one certified holistic nurse, and one
sociologist, determined an interview schedule. The goal was to
complete 30 interviews with professionals representing physi-
cians, nurses and other disciplines. Subjects were contacted by
phone with a description of the study. For those willing to
participate, a one-hour face-to-face interview was agreed upon in
a private location. Participants were assured anonymity and
confidentiality. Before the interview, the consent form was
reviewed and signed. Interviews were tape-recorded.

Upon conclusion of each interview, recordings were assigned a
subject number and identified only by professional type. Tapes
were transcribed by one person with another verifying de-
identification and transcription accuracy. The interviewers ini-
tially conducted independent and iterative readings of all transcripts
to identify patterns, experience characteristics and progression.
This group then met regularly until themes were negotiated by
focusing on experiential commonalities from the moment of the
event through the transcribed interview experience. The themes
were elucidated into stages and characteristics as the focus of the
analysis combined experience trajectories with emotional support
desired versus received. The stages and their characteristics were
then presented to a volunteer interprofessional interest group who
initially offered group critique but requested additional time to
apply the work to actual real-time cases. The group reconvened
after 1 month to finalize terminology used to describe and further
differentiate the stages and characteristics.

RESULTS
Forty-three were contacted for study enrolment with 38 agreeing
to participate and 31 who completed interviews. Reasons for
declining participation included workload constraints (n = 2),
maternity leave (n = 2) and a desire not to revisit the event
(n = 1). Six were unable to schedule interviews and two who
initially agreed opted to decline participation after informed
consent was reviewed. One nurse learned about the research
project and requested study enrolment (table 2).

Eighteen of the participants (58%) were women; 10 were
physicians, 11 registered nurses and 10 other health professionals
(table 3). The duration of professional experience ranged between
6 months and 36 years (mean 15.5 years). Time since the adverse
event ranged from 3 weeks to 44 months (mean 14 months).

Regardless of sex, professional type or years in the profession,
the second victim phenomenon can be described as a life-altering
experience that left a permanent imprint on the individual. Participants were able to provide meticulously detailed accounts
of the event, some citing the exact date of the event even years
later. Seventeen psychosocial and six physical symptoms were
reported 10 or more times by the 31 participants (table 4).

Several factors seem to influence the intensity of the
experience such as the relationship between the patient and
care giver, past clinical experiences, a patient the same age as a
family member or any other perceived “connection”.

I remember feeling horribly sad that I couldn’t do more for this
child. This hit me harder than most of them. For some reason I
really related with this family—I guess one reason is that the
child was the age of my oldest daughter and I guess that I felt
that this could have been my family. They were a nice family
and didn’t deserve to have this outcome. I cried a lot over this case
and I guess I still cry when I think about her.

Many participants relived the event when triggered by an
external stimulus. Different triggers were described such as a
different patient in the exact location as the original event, a similar
name, a similar diagnosis or a similar clinical situation. With a
trigger, participants experienced similar physical or psychological
symptoms as they did when the event initially unfolded:

No matter how much you fool yourself you are over something,
and maybe even though I hadn’t thought of it for months, I had
that woman’s name seared into my memory and as soon as I saw
that name, my chest was up in my throat.

I still think about it. Just randomly you forget and then
something will happen and it just pops into your head. You go
over it again, what could I have done differently, what could I
have said, what should I have done?

Stages of recovery
Participants developed their own unique way of coping, yet
each described a predictable recovery trajectory. During iterative
analyses, six stages emerged to describe this recovery trajectory.
As outlined in table 5, stages were identified and named as
follows: (1) chaos and accident response, (2) intrusive reflec-
tions, (3) restoring personal integrity, (4) enduring the inquisi-
tion, (5) obtaining emotional first aid and (6) moving on.

The first three stages occur after “impact realization” and
were unique in that the second victim may pass through one or
more of these stages simultaneously.

Stage 1: Chaos and accident response
At the moment that an adverse event/outcome is detected, the
involved clinician described chaotic and confusing scenarios of
both external and internal turmoil that ultimately led to a
realization about what had occurred. During the immediate
aftermath, there is a period of rapid inquiry to verify exactly
what happened. Simultaneously, the patient might be unstable
and require intensive care and monitoring. Usually, additional clinicians are summoned to provide support with procedures or testing. The victim is frequently distracted, immersed in self-reflection, while also trying to manage a patient in crisis. They often engaged a peer for patient care and chastised themselves for not being able to think coherently.

Right after the event and during the code, I was having trouble concentrating. It was nice to have people take over, that knew what they were doing, that I trusted. I was in so much shock. I don’t think I was as useful as I usually am during a code situation.

Stage 2: Intrusive reflections
This stage was described as a period of haunted re-enactments, often with feelings of internal inadequacy and periods of self-isolation. The victim re-evaluates the situation repeatedly with “what if” questions.

I started to doubt myself. This shouldn’t have happened. It was all hindsight but I kind of kept thinking over and over again. There were some things that I thought maybe if I’d have done it this way, it wouldn’t have happened or been avoided. Everything was clearer looking at things in retrospect. I lost my confidence for some time.

Stage 3: Restoring personal integrity
The third stage was described as seeking support from an individual with whom they had a trusting relationship such as a colleague, supervisor, personal friend or family member. Many did not know to whom they should turn because no one could

Table 1  Second victim interview guide

<table>
<thead>
<tr>
<th>Participant demographics (can be determined before interview)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Sex</td>
</tr>
<tr>
<td>2. Professional degree (attending physician, resident physician, registered nurse, department manager, physician assistant, medical student, respiratory therapist, physical therapist, scrub technician, social worker)</td>
</tr>
<tr>
<td>3. Years of experience</td>
</tr>
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</table>

Event details
4. Think about a clinical event from your past that impacted you both professionally and/or personally. Please share what you remember as specifically as possible from the moment that it was discovered that something was wrong. How did you respond to this event? How did it impact you?

Interviewer: If not forthcoming by this participant’s recollection, and as appropriate, determine:
5. How long ago did this event occur
6. Type of event (medical error versus unexpected medical outcome)
7. Describe your specific role in the event
8. The patient outcome (no harm, temporary harm, permanent harm, death)
9. Event occurrence at this facility versus other facility
Professional and personal impact from this experience
10. Thank you for sharing the event details with me. Now I would like to focus on what needs you experienced immediately after this event both personally and professionally.
11. What needs were addressed?
12. How were these needs addressed?
13. What needs did you have that were not addressed?
14. What would you recommend for having these needs addressed?
Participant experiences with, or normal reactions to, stress
15. When you are concerned or stressed about something happening at work, how do you typically manage those types of situations?
16. Who do you typically turn to when you need advice or reassurance or support about a work-related issue?
17. In your professional training, how did you learn to respond to adverse patient events on a professional and/or personal basis?
18. Where do you believe is the best place or approach for faculty and staff to learn about how to handle adverse events?
Support structures
19. Based on your experience, what would you do differently if you were supporting a peer or colleague going through the same thing you went through?
20. How would you describe the environment at University of Missouri Health System in terms of being supportive/helpful versus non-supportive/not helpful after an event that has an emotional impact on a team member?
21. What is your advice to us as we plan design for a “perfect world” where the best support/guidance possible is provided when a team member(s) is emotionally impacted following an unexpected outcome or adverse event?
22. What else would you like to share about your experience?
23. Please review this list of symptoms that some staff have reported. If you experienced any of these, please tell me how that symptom impacted you both personally and professionally.
24. Are there any symptoms not on this list that you think should be included on this list?
25. Are there any additional comments you would like to make regarding your experience?

Table 2  Interview participation by professional groups

<table>
<thead>
<tr>
<th>Professional type</th>
<th>Number of potential subjects approached for participation</th>
<th>Number of subjects who agreed to participate</th>
<th>Number of subjects who completed interview process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physician</td>
<td>12</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>Registered nurse*</td>
<td>17</td>
<td>14</td>
<td>11</td>
</tr>
<tr>
<td>Other†</td>
<td>14</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>43</td>
<td>38</td>
<td>31</td>
</tr>
</tbody>
</table>

*One registered nurse contacted the research team and requested to be included.
†Managers, physician assistant, medical student, respiratory therapist, scrub technician, social worker, and physical therapist.
relate to their experience or understand the personal impact the event had on them professionally and personally. A consuming doubt regarding their future professional career plagued many. One of the biggest challenges was getting through personal reflections such as “what will others think of me” and “will I ever be trusted again”:

I thought every single day for months I’d walk in and think everyone knows what happened because that’s what happens in a unit where everyone works closely. I thought, “Do they think of me everyday as this loser who doesn’t know what is going on?” I thought, “These people are never going to trust me again”.

Second victims described an inability to move forward when the event was followed by non-supportive, negative departmental “grapevine gossip”, which triggered additional memories and intensified the self-doubt and lack of clinical confidence. The extent of this phase may well be anchored within a department’s teamwork culture.

When I came back to work, no one really talked to me about it. For the most part, employees slowly found out about it from day to day. Nobody said anything about it and the next day, 2 people heard about it and somebody made fun of you or made some comment about you. Then a couple of days would go by and then someone else would find out about it. It took forever—I wanted to stand up in a staff meeting and say I did this because it would never end. I have not heard anything about it for awhile but it took forever for it to trickle down the grapevine. That was frustrating.

Stage 4: Enduring the inquisition

After initial focus on stabilizing the patient and the personal reflections, there is an awakening that the institution will be reacting to the event in unclear ways. Specifically, the second victim starts to wonder about repercussions affecting job security, licensure and future litigation.

When this first happened, I was out of school for about 2 years. I thought my career was over. I assumed I would not [be in this profession] anymore. I thought I was going to get fired. I remember having to write an [incident report] about it, talk to the family and get my supervisor involved and it just became a whole days worth of work. I was totally exhausted. I was totally drained and thought I was going to lose my job. I have this degree and I will never be able to use it again.

The requirements of the Health Insurance Portability and Accountability Act (HIPAA) were poorly understood with regard to reviewing and/or discussing the case for support and healing.

It is really hard with HIPAA. With that situation there was nobody I could tell, not even my husband. All I could say is I have had a really horrible day. Because of HIPAA laws and our own professional values of confidentiality, we cannot take it home, other than to say I had a patient die today but not about the particular incident because it was too high profile.

Stage 5: Obtaining emotional first aid

Second victims tended to seek emotional support in a variety of ways. Many expressed concerns about not knowing who was a

<table>
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<th>Table 3 Participant demographics</th>
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<tbody>
<tr>
<td>Years of experience</td>
</tr>
<tr>
<td>0–5</td>
</tr>
<tr>
<td>6–10</td>
</tr>
<tr>
<td>11–15</td>
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<tr>
<td>16–20</td>
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<tr>
<td>21–25</td>
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<tr>
<td>26–30</td>
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<tr>
<td>31–36</td>
</tr>
<tr>
<td>Range</td>
</tr>
<tr>
<td>Mean years of experience</td>
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<table>
<thead>
<tr>
<th>Table 4 Most commonly reported physical and psychosocial symptoms</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical symptoms</strong></td>
</tr>
<tr>
<td>Extreme fatigue</td>
</tr>
<tr>
<td>Sleep disturbances</td>
</tr>
<tr>
<td>Rapid heart rate</td>
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<tr>
<td>Increased blood pressure</td>
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<tr>
<td>Muscle tension</td>
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<tr>
<td>Rapid breathing</td>
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<tr>
<td>Loss of confidence</td>
</tr>
<tr>
<td>Remorse</td>
</tr>
<tr>
<td>Repetitive/intrusive memories</td>
</tr>
<tr>
<td>Return to work anxiety</td>
</tr>
<tr>
<td>Fear of reputation damage</td>
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<tr>
<td>Avoidance of patient care area</td>
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</table>
“safe” person to confide in. Approximately one-third of second victims sought support from loved ones but indicated that they were cautious when doing this because of above-mentioned privacy and legal considerations. Others noted that their loved ones just could not comprehend their professional life and should be protected from this hurt. A number of respondents did receive support from coworkers, supervisors or department chairs. However, the amount provided may be insufficient as negative feelings lingered.

After the event, I met with my attending who was specifically involved in the case and that helped a lot. But it was kind of funny, that was the first week and then it was turned off like a switch. It helped at first but I felt like it just got dropped and that was a disappointment. Nobody wanted to talk about it. I am not a touchy, feely person but I at least needed someone to make sure I was doing okay and I never felt like that. I felt like, “Well, this happens and you should be better about it and that’s it.” There isn’t a single day that this doesn’t affect me.

Some felt that knowing where to go for support and what could be said was never made clear.

Even attempts to provide formal professional support can fall short.

More access to [Employee Assistance Program] would be helpful. I felt like they wanted to assess where I was and say, “Okay we think you could benefit from more therapy. Here are some local doctors you could go to.” If it is an employee assistance program, it should assist employees, instead of saying here are some local doctors, they should say, “We would like to continue doing some sessions with you before you go to that next level”.

**Stage 6: Moving on—dropping out, surviving or thriving**

Although numerous second victims described their event as impacting their work practices, some felt the event would stay with them throughout their careers. There is a push internally

<table>
<thead>
<tr>
<th>Table 5</th>
<th>Research team consensus for trajectory of recovery</th>
</tr>
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<tbody>
<tr>
<td><strong>Stage characteristics</strong></td>
<td><strong>Common questions</strong></td>
</tr>
<tr>
<td><strong>Stage 1 Error realized/event recognized</strong></td>
<td>Error realized/event recognized</td>
</tr>
<tr>
<td>Tell someone — get help</td>
<td>How did that happen?</td>
</tr>
<tr>
<td>Stabilize/treat patient</td>
<td>Why did that happen?</td>
</tr>
<tr>
<td>May not be able to continue care of patient</td>
<td></td>
</tr>
<tr>
<td>Distracted</td>
<td></td>
</tr>
<tr>
<td><strong>Stage 2 Intrusive reflections</strong></td>
<td>Re-evaluate scenario</td>
</tr>
<tr>
<td>Self isolate</td>
<td>What did I miss?</td>
</tr>
<tr>
<td>Haunted re-enactments of event</td>
<td>Could this have been prevented?</td>
</tr>
<tr>
<td>Feelings of internal inadequacy</td>
<td></td>
</tr>
<tr>
<td><strong>Stage 3 Acceptance among work/social structure</strong></td>
<td>Acceptance among work/social structure</td>
</tr>
<tr>
<td>Managing gossip/grapevine</td>
<td>What will others think?</td>
</tr>
<tr>
<td>Fear is prevalent</td>
<td>Will I ever be trusted again?</td>
</tr>
<tr>
<td></td>
<td>How much trouble am I in?</td>
</tr>
<tr>
<td></td>
<td>How come I can’t concentrate?</td>
</tr>
<tr>
<td><strong>Stage 4 Realization of level of seriousness</strong></td>
<td>Realization of level of seriousness</td>
</tr>
<tr>
<td>Reiterate case scenario</td>
<td>How do I document?</td>
</tr>
<tr>
<td>Respond to multiple “why’s” about the event</td>
<td>What happens next?</td>
</tr>
<tr>
<td>Interact with many different “event” responders</td>
<td>Who can I talk to?</td>
</tr>
<tr>
<td>Understanding event disclosure to patient/family</td>
<td>Will I lose my job/license?</td>
</tr>
<tr>
<td>Physical and psychosocial symptoms</td>
<td>How much trouble am I in?</td>
</tr>
<tr>
<td><strong>Stage 5 Obtaining emotional first aid</strong></td>
<td>Seek personal/professional support</td>
</tr>
<tr>
<td>Getting/receiving help/support</td>
<td>Why did I respond in this manner?</td>
</tr>
<tr>
<td>Litigation concerns emerge</td>
<td>What is wrong with me?</td>
</tr>
<tr>
<td></td>
<td>Do I need help?</td>
</tr>
<tr>
<td></td>
<td>Where can I turn for help?</td>
</tr>
<tr>
<td><strong>Stage 6 Moving on (one of three trajectories chosen)</strong></td>
<td>Dropping out</td>
</tr>
<tr>
<td>Transfer to a different unit or facility</td>
<td>Is this the profession I should be in?</td>
</tr>
<tr>
<td>Consider quitting</td>
<td>Can I handle this kind of work?</td>
</tr>
<tr>
<td>Feelings of inadequacy</td>
<td></td>
</tr>
<tr>
<td><strong>Surviving</strong></td>
<td></td>
</tr>
<tr>
<td>Coping, but still have intrusive thoughts</td>
<td></td>
</tr>
<tr>
<td>Persistent sadness, trying to learn from event</td>
<td></td>
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<tr>
<td><strong>Thriving</strong></td>
<td></td>
</tr>
<tr>
<td>Maintain life/work balance</td>
<td></td>
</tr>
<tr>
<td>Gain insight/perspective</td>
<td></td>
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<tr>
<td>Does not base practice/work on one event</td>
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<tr>
<td>Advocates for patient safety initiatives</td>
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</table>

(from the second victim) and externally (from coworkers, colleagues, supervisors) to “move on” and put the event behind them. However, participants found it difficult to completely put the event behind them. This is a unique stage for recovery as it has three potential paths: dropping out, surviving or thriving. Dropping out involved changing professional role, leaving the profession or moving to a different practice location. Perhaps the intensity of the haunted re-enactments drove these victims to second guess their professional abilities and drop out.

Overall, I didn’t feel it was a good environment to stay in, in terms of healing is why I chose to leave. But in the new unit, it was very helpful. I moved over to another service. I think a fresh start was good for me. It was devastating during that period. It affected me greatly and made me question my abilities. Was I ready to be an attending?

Another possible conclusion in the sixth stage is surviving, which means the individual performs at the expected performance levels and is “doing okay” but continues to be plagued by the event.

I figured out how to cope and how to say yes, I made a mistake. And that mistake caused a bad patient outcome but I haven’t figured out how to forgive myself for that yet or to forget it. It’s impossible to let go.

Some retained the memories of the event, changed how they practiced or became involved in practice change. Thriving in the sixth stage was identified from participants who made something good come from the unfortunate clinic experience.

I couldn’t really avoid getting back in the ambulance so what I did do was actually get back in the ambulance before the end of my shift and did a test ride to try to figure out why I was having so much trouble with the BP readout. I definitely needed to figure out a way for some good to come out of this horrible experience. I was questioning myself over and over again about what happened to me but then I thought, you know what, I’ve just had this experience in my life where I had to encounter this tragedy but it made me a better person. It really did, and it gave me more insight.

CONCLUSION

Regardless of sex, professional background or years of experience, all participants in our study easily recalled the immediate and ongoing impact of their specific career jolting event. Collectively, their emotionally charged accounts revealed a largely predictable recovery trajectory. Our analysis led to the identification and naming of six stages of recovery and stage characteristics. These were (1) chaos and accident response, (2) intrusive reflections, (3) restoring personal integrity, (4) enduring the inquisition, (5) obtaining emotional first aid and (6) moving on. The sixth stage, moving on, led to one of three outcomes: dropping out, surviving or thriving.

Participants provided insight into the type and quality of peer and institutional support they both received and desired. We believe frontline supervisors and peers could be trained to provide immediate and targeted support especially during the early stages. For the later stages, we believe most institutions have resources currently trained to provide emotional support for other critical incident situations. Examples include risk managers, chaplains, social workers, holistic or mental health clinicians, child life therapists and palliative care practitioners.

The first step, however, is the need to formulate an institutional awareness campaign that promotes open dialogue about the definition and prevalence of second victims. To quantify the prevalence locally, we recommend asking two questions: “Have you experienced a patient safety event within the past year that caused personal problems such as anxiety, depression, or concerns about your ability to perform your job?” and “If so, did you receive institutional support to assist you with this stress?” Every day, our healthcare professionals practice their art and science within enormously complex environments and experience unexpected patient outcomes. Many within healthcare systems suffer alone after events. It is imperative that an improved understanding of effective and immediate surveillance and support strategies be developed to mitigate the suffering among second victims.

Acknowledgements: The authors would like to recognize the dedication, contributions and deliberations of the University of Missouri forYOU Team (our “Second Victim” Steering Group) in advancing our understanding of this phenomenon and of Dr Jane Armer at the University of Missouri Sinclair School of Nursing for her scholarly guidance during our journey to systematically study this phenomenon.

Competing interests: None.

REFERENCES