

Escape Room for Inter-professional Complex Obstetric Care

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Background

- Escape Room
 - Innovative gamified approach with learner-focused activities
 - Participants cooperatively discover clues, solve puzzles and complete tasks to progress through the challenge to achieve a specific goal in a specific time.
 - Align learning objectives to the activities, and foster teamwork, group communications and problem solving skills.
 - Active learning experience
- Problem
 - Complex obstetric cases are not uncommon in KK Women's and Children's Hospital (KKH).
 - However, most of the training occur within departments with no interprofessional education (IPE) program specific for obstetric patients in the Operating Theatre (OT).
 - When emergencies happens, healthcare professionals are stressed when working together as a team, thus it is needed to simulate the conditions of interprofessional collaborative practice (IPC).

Study designs



- Aim:
 - To strengthen interprofessional cohesion and communication skills leading to shared decision making of OT healthcare professionals with this escape room methodology.
 - Foster wellness and a positive culture in learning within healthcare professionals.
- Design:
 - Escape room to manage postpartum hemorrhage (PPH) in the operating theatre.
 - A survey was conducted immediately after completion of escape room
 - Participants completed the Interprofessional Education Collaborative (IPEC) version 3 self-assessment tool before and after the event and results were compared

Escape Room

Enter room with
first clue

Initial assessment
of post-partum
hemorrhage (PPH)

OT preparation
(Surgical
instruments)

Pharmacological
management of
PPH

Surgical
management of
PPH

Managing blood
transfusion

Save the patient!
(and escape the
room)



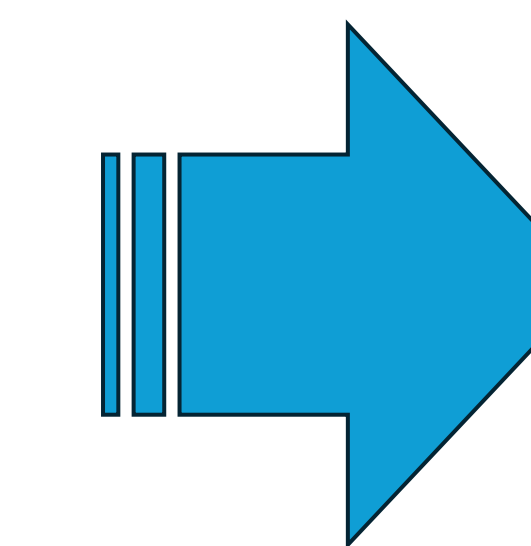
Team A

Obstetrician x1-2
Scrub nurse x1
Anesthetic nurse x 1
Anesthetist x1

v
s

Team B

Obstetrician x1-2
Scrub nurse x1
Anesthetic nurse x 1
Anesthetist x1



First team to complete all
puzzles & escape the room
wins a prize

Results

- A total of 44 participants took part in 5 escape room sessions: 10 anesthesia nurses, 10 scrub nurses, 14 obstetricians, 10 anesthesiologists.
- 36 (81.8%) completed the pre and post escape room survey;
 - 94% agreed that the activity was enjoyable
 - 92% believed this activity fosters their well-being,
 - 9% felt this activity strengthened their relationship among the team
 - 84% stated their communication skills have improved with other professionals
 - 91% agreed that this activity was a positive experience in promoting patient safety in an inter-professional setting.

	Pre-workshop		Post-workshop			
IPEC Competency Domain	Mean	SD	Mean	SD	T value	P value
Interprofessional Interaction	3.69	0.52	4.13	0.60	1.97	< 0.05
Interprofessional Values	3.97	0.47	4.27	0.60	1.967	< 0.05

Conclusions

- Escape room offers an engaging, learner-centred approach to medical education which promotes critical thinking, teamwork and participation.



THANK YOU!