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Improving women's tower nurses knowledge and skills in Adult Code Blue Management

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Introduction

- 118 women's tower nurses were surveyed and it was identified that the knowledge on code blue activation and management is insufficient
- Code blue for adult in KKH is a rare event
- Early recognition and immediate resuscitation is vital for a favourable outcome in deteriorating patients
- Nurses are the first line healthcare personal in monitoring the patients
- Knowledge and skills in resuscitation plays a significant role in patient outcome



Back ground knowledge on code blue management n = 118	
Prior experience in code blue resuscitation	52%
Aware when to activate code blue	21%
Aware who can activate code blue	40%
Aware how to activate code blue	28%
Felt lost during code blue resuscitation	59%
Familiar with doses and preparation of resuscitation drugs	17%
Aware of transport monitoring after resuscitation	52%

Objectives

To improve nurse's code blue medical knowledge and awareness about when to, how to and who can activate the code blue

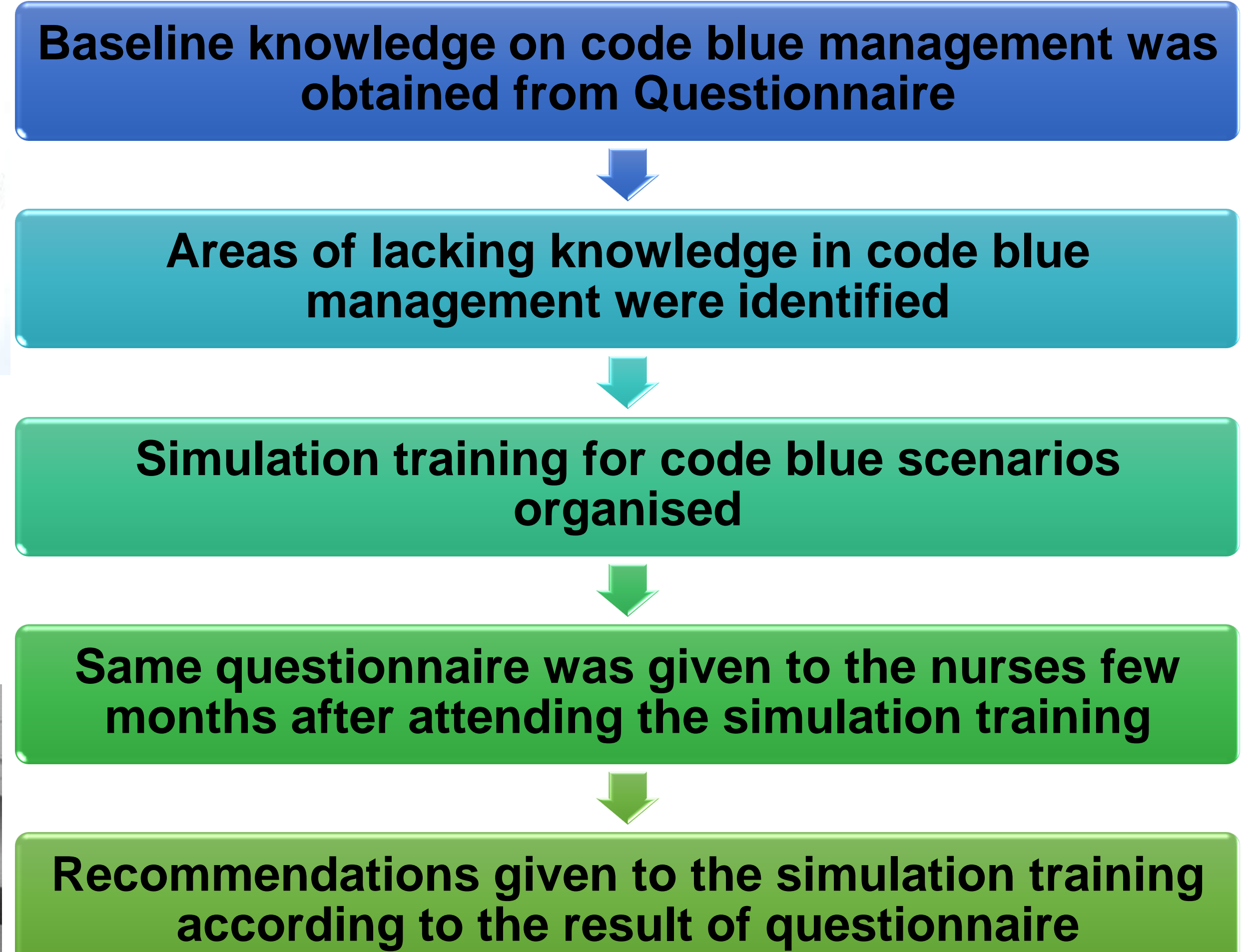
Identified solutions to improve the knowledge deficit

- ❖ Simulation training in code blue scenarios
- ❖ BCLS course
- ❖ Formal teaching on recognizing critically ill patients and resuscitation

Benefits of choosing simulation training

- Acquire the procedural skills of medicine without "practicing" on patients
- Allows the practice of those skills to maintain them
- Rehearse the rare events like cardiac arrest
- Perform and communicate more effectively as part of a team, particularly in a crisis
- Record the learning experience with the benefit of replay and reflection
- Assess the performance more objectively than in clinical settings

Method



Results

	Pre simulation knowledge n = 118	Post simulation knowledge n = 148
Prior experience in code blue resuscitation	52%	61%
Aware when to activate code blue	21%	42%
Aware who can activate code blue	40%	60%
Aware how to activate code blue	28%	41%
Felt lost during code blue resuscitation	59%	60%
Familiar with doses and preparation of resuscitation drugs	17%	47%
Aware of transport monitoring after resuscitation	52%	81%

Conclusion

- ❖ Unfamiliarity in managing rare events like code blue resuscitation can be overcome by simulation training
- ❖ Sustaining the knowledge acquired on code blue management need regular practice in simulation training