ENHANCEMENT OF SIMULATION TRAINING THROUGH COLLABORATION WITH ACCIDENT AND EMERGENCY DEPARTMENT AND SPECIALTIES IN PAMELA YOUDE NETHERSOLE EASTERN HOSPITAL

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Introduction and Objective

• **Emergency Care Simulation training** has been implemented in A&E for **7 years**

• Target for **refreshing the knowledge and skill of Emergency Physicians and Nurses on Emergency and Critical Care and preparing them to face the challenge in clinical settings**

• **Exposure to Obstetrical emergencies and Pediatrics and Neonatal Resuscitation** are few in A&E, with **less than 5 cases per year**

• To report on the **implementation of enhancement measures on Simulation Training**
Method

- **On top of** exiting Simulation training in A&E, **Specialty Facilitators in the O&G and Pedi** were invited to co-organize and participate to the training program, named as **Conjoint Simulation Training with Specialty**

- **Life threatening conditions of O&G, Pedi and Neonatal** were co-designed (e.g. eclampsia, maternal cardiac arrest, unresponsive newborn)

- **Healthcare Professionals of A&E, O&G and Pedi** were invited to participate

- **Debriefings** were done and **Evaluation forms** were collected and analysis
Results

• There were 7 sessions of Conjoint Simulation Training with Department of O&G and another 7 with Department of Pedi from September 2015 to December 2018

• 73 (O&G and A&E) and 47 (Pedi and A&E) Healthcare professionals had participated

• Total 120 evaluation forms were received

• No significant different between the two specialties training on the rating of evaluation forms (96% on 4/5 and 5/5)
Results

• **Perspective of participants**, they welcomed and treasured the cross specialties interaction and highlighted the followings: 1. Communication, Clinical handover, Shifting of Leadership, Teamwork and Division of labours were reinforced, 2. Red Flag and Decision Making were discussed, 3. Use of Equipment and Guidelines were shared and modified to meet the needs of stakeholders.

• **Perspective of facilitators**, they valued the knowledge and skill exchange, noted that continuity of care was strengthened.
Conclusion

• Through collaboration between A&E and O&G and Pedi, the enhancement measures were feasible and practical.
• Results in significant increase in exposure to Obstetrical emergencies as well as Pediatrics and Neonatal Resuscitation, and improvement in the performance of Emergency Physicians and Nurses on O&G and Pedi cases management in A&E.