Simulation training in HA central intern orientation program

- promote patient safety in daily hospital practice
2011年9月22日，大紀元記者葡克報綜合報道】新興院院方昨日公佈一名37歲女病
人，7月份間因接受婦科手術，導致精神病狀後逾越化不治的調查報告。院方表示將視案情進
步調查並對醫護人員提出告誡。

【威院涉醫生意識不足致事故】

2012-10-12 01:05:46

麥肇醫生涉【三宗罪】

院方認醫生溝通不足致事故

【財政局】

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【院方認】

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院方認醫生溝通不足致事故，73

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Developing simulation course

- Orientate fresh medical graduates for HA hospital duties
- Panels of frontline experienced physicians of different specialties
- Procedures & practices commonly encountered by interns
Objectives

- Heighten interns’ awareness of patient safety in daily hospital practice
- Understand risk reduction strategies & policies in HA hospitals
- Introduce effective communication & teamwork in crisis management
Three half-day modules

Module 1 – Bedside procedure safety
Module 2 – Transfusion safety
Module 3 – Medication safety

Instructor : participant = 1 : 6-8 (skills)
= 1 : 10-12 (scenario simulation)
Mode of teaching

- Web-based pre-readings
- Hands-on practice on manikins
- Scenario simulation with high-fidelity simulators
- Problem based discussion
- Role-play
Bedside procedure safety

- Lumbar puncture & informed consent
- Chest tapping, pleural biopsy & ‘Time-out’
- Taking arterial blood for gas analysis & safe specimen handling
- Oxygen therapy & airway management
Bedside procedure safety
Transfusion safety

- Taking blood for ‘Type & screen’ & administration of blood product
- Scenario of transfusion reaction & management
- SBAR communication framework (TEAMSTEPPS®)
  - Situation, Background, Assessment, Recommendation
- Effective teamwork components in crisis management
Transfusion safety
SBAR framework
Medication safety

- Basics of prescription & administration of drugs & safety issue
- Safety tips in using CMS for prescription
- Scenarios of medication incident & management
- Communication with dissatisfied relatives or patients
Medication safety
Communication with patient & relatives
250 out of 254 interns returned questionnaire at the end of course (98.43% response rate)

12 questions & free space for writing comment

Likert scale 1 to 5

quality & appropriateness

1= strongly disagree >> 5 = strongly agree

self-rated competence & confidence on starting internship (before & after workshop)

1 = beginner >> 5 = master

1 = lack of confidence >> 5 = full of confidence
Self-perceived competency

Module 1

Module 2

Module 3

3.63*
2.19

3.55*
2.29

3.47*
2.16

* p < 0.001
Self-perceived confidence

Confidence in starting internship

Post-course
2.04
3.19

Pre-course
p < 0.001
Quality & Appropriateness

- First 10 questions
- Overall mean score: 4.28
Percentage of ‘Strongly agree’

Q10A 'Bedside procedure safety' was very useful: 35%
Q10B 'Tranfusion safety' was very useful: 36%
Q10C 'Medication safety' was very useful: 41%
Q1 Course was well organized: 34%
Q2 Standard of instruction was high: 39%
Q7 Relevant to practice: 48%
Other important comment

- More scenario simulation
- More hands-on practice
- Smaller groups

Things learnt in course:
- Safety
- Check & ask if in doubt
- Communication skills
Further development

- **Curriculum review**
- **Mid-year simulation bootcamp for interns**
  - Emphasis on teamwork, communication skills & crisis resources management
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