Case 慈恵医大 No. 1 (For instructor)

RRS: Hypoxemia and respiratory arrest

1. Scenario Concept

Rapid Response System is a tool implemented in hospitals designed to identify and respond to patients with early signs of clinical deterioration on non-intensive care units. To recognize potential dangerous status and request for help should be empower through frequent simulation training. The scenario with respiratory deterioration request participants to perform history taking, early assessment, initial treatment, and most importantly, activation of RRS system.

2. Education Purpose

- ✓ Identify respiratory pattern and desaturation and provide treatment
- ✓ Activate RRS promptly according to RRS activation criteria
- ✓ Perform communication with SBAR (Situation-Background-Assessment-Recommendation) skill for RSS staff

3. Patient Information

Symptoms and signs: respiratory distress

Allergy: None

Medication: bronchodilator, clarice (antibiotic), 10L/min oxygen use

Past history: chronic bronchitis

Last meal: last evening

Weight: 60 kg

4. Observation and debriefing

Initial observation
Recognize hypoxemia and respiratory condition
Perform ventilation support with bag-valve-mask (BVM)

5.	Hardware preparedness
	Resuscitation cart IV fluid and IV setting Oxygen devise: nasal cannula, simple mask, ventri mask, non-rebreathing mask EKG monitor, BP monitor The simulator manikin: SimMan
6.	Scenario staging
Sce	Initial vital sign: HR 80 /minutes, BP 120 / 80 mmHg, RR 20 / minutes Temperature: 38 °C, Consciousness: E4 V5 M6, SpO2: 98% (O2 10L/min) Volunteered information: A 74-year-old male was brought to hospital for progressive dyspnea for days Manikin setting: HR 80 /minutes, BP 120 / 80 mmHg, RR 20 / minutes, Temperature: 38 °C, SpO2: 98% (O2 10L/min) Pupils: 3mm/ 3mm, light reflex: +/+ EKG: sinus rhythm, rate: 80 /minutes Chest: bilateral wheezing Heart: clear Abdomen: WNL Extremities: warm
Sce	vital sign: HR 120 /minute, BP 136 / 96 mmHg, RR 30 / minute, Temperature: 38.1 °C, Consciousness: E3 V5 M6, SpO2: 92 % (O2
	 10L/min) Volunteered information: The patient is too dyspnea to speak well. Manikin setting: EKG: sinus tachycardia , rate: 120 /minutes Vital sign: HR 120 /minute, BP 156 / 96 mmHg, RR 30 / minute, Temperature: 38.1 °C, SpO2: 92 %

➤ Pupils: 3mm/ 3mm, light reflex: +/+

Throat: patentChest: wheezing

7. To Do Checklist

Recognize hypoxemia (urgent)
Use SBAR for reporting RRS Nursing staff appropriately
Take a medical record
Evaluation of airway / respiration
Evaluation of circulation
Evaluation of Consciousness
Application of monitor (AED or defibrillator)
Check vital sign
Move the bed and remove the head board and side fence if
necessary
Perform ventilation support with bag-valve-mask (BVM)
Evaluate patient circulation appropriately and management
Secure infusion route
Re-evaluate patient condition