Interprofessional simulation scenario #2

Scenario overview

Mr. Charles Anyim is a 58 year old male who experienced chest pain driving home from Florida. He was admitted to hospital to CCU stabilized and has since been transferred to cardiology. He is three days post MI.

The students will complete the appropriate assessments and interventions, recognize complications and intervene appropriately. The students will be expected to communicate, consult and work with the health team as required.

Objectives

1. Performs cardio respiratory assessment and interprets findings.
2. Implement and prioritize interventions for a changing patient condition
3. Communicate and coordinate team actions consistent with meeting a changing patient condition

Fidelity

Preparation of the mannequin
Patient gown
Patient monitor showing ECG tracing
Saline lock in right arm

Equipment available in the room
Saline lock
Telemetry
Oxygen flow meter
Nasal prongs
Monitor leads
ID band
Allergy band- Sulpha
Gloves
Hand sanitizer

Medications
Nitroglycerine spray 1 spray Q5min x3 for chest pain
Nitro-dur 0.2 patch applied in the morning
Altace 10 mg po daily
Aspirin 325 mg twice daily
Plavix 75 mg once daily
Metformin 500 mg po bid
Diabeta 5 mg daily
**Documentation forms**
Physician orders  
MAR  
Kardex  
Standard order set  
Graphic sheet  
Telemetry record

**Participants**
1 primary nurse  
1 secondary nurse  
1 family member  
1 respiratory therapist  
1 dietician  
1 physician  
1 observer

**Social history**
Married with two children  
Self employed carpenter

**Medical History**
Type 2 diabetes  
Hypertension  
Hypercholesterolemia  
Smoker x 35 years 1 pack per day(trying to quit)

**Physician orders**
02  2 liters per minute per nasal prongs (PRN)  
Cardiac diabetic diet  
Activity as tolerated  
Telemetry

**Proposed treatment outline**
Dietician washes hands  
Introduces self  
Talks with patient and wife re diet  
Notices deteriorating condition  
Calls nurse  
Nurse obtains BP, pulse, respiratory rate, temp, SPO2  
Repositions  
Applies 02  
Notices deteriorating condition
Calls physician
Gets new orders
Reassures wife
Calls RT
RT adjusts 02
Changes prongs to rebreather
Nurse and RT work together to increase oxygen saturation

**Report to students**

Alert, oriented, cooperative, chest clear, BP 120/80 P 76 RR 20 02 saturation 95% on room air temp 37.1
<table>
<thead>
<tr>
<th>Timing</th>
<th>Manikin Actions</th>
<th>Expected Interventions</th>
<th>May use the following cues</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 minutes</td>
<td>I am having trouble breathing and don’t feel well</td>
<td>Dietician enters room for consultation re diabetic counselling for husband and wife</td>
<td>Wife brings in chips for husband “Look dear I brought your favourite”</td>
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<tr>
<td></td>
<td>BP 100/60</td>
<td>Calls and communicates to nurse re symptoms</td>
<td>Why is my husband having trouble breathing- he seems short of breath</td>
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<td></td>
<td>P 140 (afib)</td>
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<td></td>
<td>R 26</td>
<td></td>
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<tr>
<td></td>
<td>SP02 91</td>
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<tr>
<td></td>
<td>Chest clear</td>
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<td>10 minutes</td>
<td>I don’t feel well I am feeling dizzy</td>
<td>Nurse enters Reassures wife and client</td>
<td>Is he going to be ok?</td>
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<td>BP 100/60</td>
<td>Repositions</td>
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<tr>
<td></td>
<td>P 140 (afib)</td>
<td>Takes BP, P, R</td>
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<tr>
<td></td>
<td>R 26</td>
<td>Pain assessment</td>
<td></td>
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<td></td>
<td>SP02 91</td>
<td>Listens to chest</td>
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<td></td>
<td>Chest clear</td>
<td>Applies O2</td>
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<td></td>
<td>Glucometer 9.6</td>
<td>Takes glucometer reading</td>
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<tr>
<td>13 minutes</td>
<td>I am feeling worse Diaphoretic SP02 89</td>
<td>Call physician</td>
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<td>Make sure IV line is patent and prime IV</td>
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<td>Gets new orders</td>
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<tr>
<td>15 minutes</td>
<td>SP02 86 non responsive to 02</td>
<td>Call RT</td>
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<td>Change prongs to mask with rebreather</td>
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<td></td>
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<td>Nurse and RT work together to bring up oxygen saturation</td>
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**Guided Reflection/Debriefing Questions**

1. How did you feel throughout the simulation experience?
2. Describe the objectives you were able to achieve?
3. What were the key assessments and interventions that you observed?
4. Were you satisfied with your ability to work through the simulation?
5. What did the group do well?
6. How could the group have handled the situation differently?
7. Did you understand the roles of the different professionals?
8. Did you notice any similarities or differences with your own role?
9. Were you satisfied with your ability to communicate with the client and his family?
10. Were you satisfied with your ability to communicate with other team members?
11. Did you work together as a team why or why not?
12. Is there anything else you would like to discuss?