

Interprofessional Simulation Scenario #1

Scenario Description

Mr John Peters is a 59 year old first nation's male who lives with his wife, one child, two grandchildren and his elderly parents in a remote area of a native reserve. He has been admitted to hospital for investigation of increasing shortness of breath. The students will be expected to perform appropriate assessment, communicate with one another and initiate appropriate treatment.

Learning objectives

1. Demonstrates a focused respiratory assessment.
2. Implements priority interventions
3. Demonstrates therapeutic communication skills with patient and family
4. Communicates with the interprofessional team
5. Collaborates with the interprofessional team on interventions

Fidelity

Equipment attached to the mannequin

Black wig
Glasses
Hospital gown
In bed lying on side

Equipment Available in the room

Gloves
Patient Id band
Oxygen flow meter
Oxygen mask with rebreather
Oxygen mask with nebulizer
Saline lock
Incentive spirometer
Stethoscope
BP cuff
SP02 monitor
Thermometer

Medications

Glyburide 5 mgm tid po
Metformin 500 mgm bid po
Theodur 300 mgm bid po
Ventolin 2 nebs q4 h PRN
Atrovent 1 neb q4 h PRN
O2 2litres/min NP prn to keep sats > 92%

Documentation forms

Physician orders
Flow sheet
MAR
Kardex
Graphic record
Progress notes

Number of participants

One occupational therapist
One respiratory therapist
One nurse
One family member
One observer

Social history

Mr. Peters has been receiving long term disability and lives on a remote area of the reserve. He uses firewood for heating.

Medical History

Weight 85 kg
Height 175 cm

He has a past history of smoking (20 years ago), has COPD (CO2 retainer) and type 2 diabetes. As a child he had an appendectomy and tonsillectomy.

Proposed treatment outline

OT Wash hands
Introduce self
Identify patient
Discuss energy conservation
Notices deteriorating condition
Calls nurse
Nurse introduces self to OT and patient

Nurse repositions patient
Obtain BP, pulse, respiratory rate, temp, SPO2
Assess breathing
Applies oxygen
Checks physician orders
Asks OT for details
Calls RT
RT gets information from nurse and OT
Focused respiratory assessment
Adjusts oxygen delivery
Administers ventolin
Chest assessment post ventolin
Nurse calls physician for further orders

Report to student nurse and OT

It is Mr. Peters fourth day of admission. The OT has been called in to speak to the patients about energy conservation. Mr. Peters continues to be short of breath on exertion and his vital signs have been stable.

Timing (approximate)	Manikin Actions	Expected Interventions	May use the following cues
First 5 minutes	BP 140/90 P 110 R 44 Wheezes bilaterally SP02 83 Slumped in bed Lying flat “I can’t get my breath”	OT comes into the room to talk to Mr. Peters about energy conservation Calls nurse to assess Nurse enters Raises head of bed to high fowlers position Check vital signs Check SP02 Apply oxygen Focused respiratory assessment Provides support to daughter and patient Asks for details from OT	Daughter “Why is he having so much trouble breathing?”
6 to 10 minutes	Respirations 28 Wheezing (vol 9) SP02 86 I am having trouble breathing	Check orders and MAR Calls RT to give ventolin RT gets report from OT and nurse RT does chest assessment Adjusts oxygen delivery Administers ventolin Chest assessment post ventolin	Daughter Here is my dad’s puffer that he always takes at home
10-15 minutes	SP02 90	Nurse calls physician Receives orders for chest xray and ABG	

Debriefing/Guided reflection 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?