

Covid-19 Case Study 3—Assessment, Communication and Protection



Title	Assessment, Communication and Protection (CoV-19)
Healthcare Team	Nurses, Physicians and Respiratory Therapists (RT)
Critical evolution to COVID-19 case	
Client	Adult
Department	COVID-19 unit to ICU
Client Information	Name: Rose Morin Gender: female Age: 67 years Weight: 154 lb (70 kg) Height: 168 cm (5'5") Allergies: None Immunizations: influenza vaccine yearly
Medical History	<u>Antecedent</u> Type 2 Diabetes 5 years <u>Reason for consultation</u> Client had difficulty controlling her glycemic levels for a couple of weeks. She was admitted for diabetic acidosis. Her health status is normal as of yesterday. Her insulin levels have been normal for 24 hours. Subcutaneous insulin levels have been adjusted. <u>Psychosocial profile</u> Teacher, married with one child.
Date	Thursday April 9 th , 2020
Resume	Rose’s health status continued to deteriorate. She is now complaining of dyspnea and is using accessory respiratory muscles to breathe. She is requiring oxygen supplementation at 3 litres/min via nasal prongs/cannula. She is becoming fatigued, because of her increased work of breathing. The nurse remains with the client to complete her assessment. The client starts to show signs of respiratory failure/decompensation. She now requires 6 litres/min (following RT recommendations) to maintain her SpO ₂ . She is transferred to the ICU where the nurse in collaboration with the respiratory therapist applies a 100% O ₂ non-rebreather mask.
Vital Signs	- HR: 120 - Resp: 34 - BP: 134/90 mmHg - SpO ₂ : 89% - Temp: 39.9 °C

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Learning Objectives	<ul style="list-style-type: none"> - Evaluate the risks at all levels of intervention according to COVID-19 establishment protocol. - Assess the client according to a confirmed COVID-19 case. - Collaborate with the interdisciplinary team according to protocol and protective isolation measures. - Ensure surveillance and general assessment in the context of a confirmed COVID-19 client with difficulty breathing.
Clinical Manifestations	<ul style="list-style-type: none"> - Fever - Dyspnea and increased work breathing - Tachycardia and tachypnea - Tired and weak, signs of respiratory decompensation and pending failure.
Actionable Interventions	<ul style="list-style-type: none"> - Maintains surveillance and assessment of patient - Applies recommended PPE precaution measures including possible use of N95 or other according to protocol. - Uses appropriate ICU isolation room according to establishment protocol (negative pressure). - Prepares respiratory material in collaboration with respiratory therapists. - Prepares medications in collaboration with physician - Communicates effectively with the interdisciplinary team - Applies protective measures required for all clients.
Publication	
Citation reference	Dubé, A., Doucet, C.L., Breau, M., Cawley, I., Durocher-Hendriks, S., Morin, B., Sheppard-LeMoine, D., Vardy, I., Baker, C. & Crosby, K. (2020). Nursing COVID-19 Case Study 3: Assessment, communication and protection.
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