

MCH Covid-19 Nursing Education Plan

⇒CDC Clinical Guidance for HCP updates ongoing: [Management of Patients with Confirmed 2019-nCoV](#)

- Center for Disease Control www.cdc.org
- MedCram on YouTube - *short evidenced based*: [MedCram - Medical Lectures Explained CLEARLY](#)
- John Hopkins Covid 19 Sick Map & Resource Center (Updated Frequently) - [Johns Hopkins Coronavirus Resource Center](#)

Adult Respiratory Distress Syndrome- ARDS Focus Moderate Respiratory Distress			
Nursing Process	Knowledge	Skills	Resources
Assessment	Airway patency: stridor, drooling, snoring respirations. Rate, depth, pattern and effort. LS B rales in all fields (upper) Objective Data: NOTE: In ARDS patients are getting Oxygen, but SAT is decreasing. ET CO2: waveform capnography.	Respiratory Assessment O2 Sat patterns with ARDS ECO2	Critical Care for the Non-ICU Clinician Resource Center ARDS Diagnosis Severity
Planning	Working with Droplet and Airborne NOTE: CDC Guidelines and local DPH publish ongoing updates about persons at risk.	N95 Don Doff	Guidance for Clinically Stable PUIs Personal Protective Equipment (PPE) Public Health Planners Ebola (Ebola Virus Disease)
Interventions	Position of comfort IV access B 20' GAs. Oxygen methodology NC / NRB / HI ADLs' *SAFETY NOTE* : BiPap, Cpap, Hi-flo, Intubation Nebs are considered "aerosolizing procedures". Per CDC 3.29.20 use an N95 for these procedures.	NRB Oxygen Alaris Pumps Drugs: vasopressors	Basic Introduction to Alaris Pumps *SAFETY NOTE* : DO NOT USE "Basic Mode" Select "Critical Care" mode for access to the largest options.
Evaluation	Progress of ARDS	Ongoing assessment	

Adult Respiratory Distress Syndrome- ARDS Focus SEVERE Respiratory Distress			
Nursing Process	Knowledge	Skills	Resources
Assessment	Progress of ARDS Severe Respiratory Distress: RR, Effort, Sat↓w/ O2↑ ET CO2↑ Berlin Criteria V/Q mismatch	Respiratory ECO2	ARDS 11 Minute Video ETCO2 from Hamilton Vents VERY Basic! Get coffee! e-learning: Basics of Capnography ETCO2 10 minutes Pathophysiology and Monitoring. Waveform Capnography -- BAVLS
Planning	Increasing Respiratory support <i>Safety Note: Intubation is HIGH risk d/t aerosolization and potential droplet exposure. See CDC for most recent PPE</i>	Prepare for intubation Ventilator Initial settings Patient Sedation VS RSI Staff Safety	
Interventions	Position of comfort IV access Bilateral 20' GAs. Oxygen methodology NC / NRB / HI ADLs' - Cluster Care	NRB Oxygen Pumps - Initial set up Programming pumps. Titration of drugs Drugs Nebulizer (RT)	Vasopressors (Part 1) - ICU Drips
Valuation	Progress of ARDS Berlin Criteria V/Q mismatch	Berlin Criteria Calculating V/Q mismatch Ongoing assessment Communications with HCP and team	Berlin Criteria Staging Progress of ARDS VQ Mismatch - Ventilation Perfusion Mismatch & Ratio Vapotherm High Flow Oxygen Delivery System

Adult Respiratory Distress Syndrome- ARDS Focus: INTUBATION			
Nursing Process	Knowledge	Skills	Resources
Assessment		Equipment needed	ETCO2 to confirm ET placement
Planning	Working with Droplet and Airborne	Who is in what role Meds Support of HCP tubing Ventilator prepared Med nurse	Great Intro to Intubation and Vents.(14 min) https://www.youtube.com/watch?v=i6hmGVBbIjk&t=80s
Interventions	Intubation Operations during Covid 19 Safety with PPE for procedure Donning PPE N95 PAPR Room doors closed	Support of Provider 10 ml ET CO2 Bagging Connecting to Ventilator tube Ventilator Settings	Intubation of suspected COVID-19 patients (English) Donning and Doffing PPE
Evaluation	Assessment of patient on Ventilator ABG's Vent settings ET Co2	Ongoing assessment Communications with HCP and team	ABG Interpretation Made Easy Ventilator Settings Made Easy

ARDS Focus VENTILATOR Nursing Care			
Nursing Process	Knowledge	Skills	Operations
Assessment	Standards Modes and Settings Types of Alarms (Low level / High Level) ABG's		"Ventilator settings for nurses" "Vasopressors Part 1 ICU drips"
Planning	Care for the shift Adjusting for patient status	SBAR	
Interventions	Ventilators Hamilton 5G	Ventilator adjustment Pre-oxygenation for suctioning In-line suctioning Positioning Proneing	What is Ventilation from ICU Advantage.(18 min) What is Mechanical Ventilation? - Ventilators EXPLAINED Basic Ventilator Modes from ICU Advantage(12 min) Basic Vent Modes MADE EASY - Ventilator Settings Reviewed Proneing an Intubated patient safely
Evaluation	Documentation EMR		