

Northwest Community EMS System
EMERGENCY COMMUNICATIONS REGISTERED NURSE (ECRN) COURSE
January 2023

Date	Time	Topic	Faculty
Prerequisites: ECG interpretation course All 4 SOP Self-assessments submitted to K. Fitzpatrick prior to the first day of class. All ECRN candidates will have assumed knowledge of the 2022 SOPs + Changes and Rationale Document			
Jan 10, 2023 Zoom	9:00 am -12:00 pm 12:00 - 1:00 pm 1:00 - 5:00 pm	<p>EMS Systems: Structure/Standards SOPs; Policy & Procedure manuals, Role expectation of an ECRN Policies (Policy manual self-assessment distributed)</p> <ul style="list-style-type: none"> - Drug exchange; Code of Ethics - EMS Communications; Documentation of EMS Communications Log - ECRN Physician Back-up; Confidentiality of Patient Records - Procedure for Handling Overrides; - Abandonment vs. Prudent Use of EMS Personnel - Aeromedical transport; Bypass; Crisis Response - Refusals; Physician/Nurse On-Scene <p>Lunch</p> <p>SOPs: Intro; Patient Assess/Initial Medical Care; Pain management; Obese and Elderly patients Drugs: ondansetron; fentanyl; ketamine; alternate drugs Policies:</p> <ul style="list-style-type: none"> - Scopes of practice; Initiation of ALS vs. BLS Care - Selection of Receiving Hospital - Withholding/Withdrawing Resuscitation; DNR; Triple Zero 	C. Mattera
Jan 17, 2023 Zoom	9:00 am - 12:00 pm 12:00 - 1:00 pm 1:00 - 5:00 pm	<p>EMS Airway access procedures</p> <ul style="list-style-type: none"> - Suction; BLS airways; ALS airways: ETI, i-gel BIAD Drugs: etomidate, ketamine, midazolam - Cricothyrotomy options - Oxygen delivery devices: NC, ETCO₂ NC; NRM, BVM, C-PAP <p>SOPs: Acute and chronic respiratory disorders simulated calls Airway obstruction Allergic reaction / Anaphylactic shock Asthma/COPD with respiratory distress Pts w/ tracheostomy/laryngectomy (adult & peds) Acute Resp. Disorders (FLU – Pulm. embolism) Drugs: diphenhydramine; albuterol, ipratropium, epinephrine 1mg/1mL; 1mg/10mL, magnesium sulfate Procedure: CPAP</p> <p>Lunch</p> <p>Acute Coronary Syndromes – Simulated calls Drugs: NTG, ASA SOP: Cardiac ischemia Bradycardia with a pulse: SV/AVB/IVR Drugs: atropine, norepinephrine, glucagon Procedure: Transcutaneous pacing</p> <p>Supraventricular Tachycardia: Narrow QRS complex tachycardia Drugs: adenosine, verapamil Procedure: Vagal maneuvers/synchronized cardioversion</p> <p>Ventricular rhythms: VT, VF, Asystole Drugs: epinephrine 1mg/10mL, amiodarone, NaHCO₃ Procedure: Pit crew cardiac arrest management; defibrillation SOPS: VT w/ pulse; VF/VT w/o pulse; Asystole/ PEA Policy: Terminating resuscitation in persistent asystole</p> <p>Heart Failure/Pulmonary Edema/Cardiogenic Shock Ventricular assist device</p>	C. Mattera

Date	Time	Topic	Faculty
<p>Jan 24, 2023</p> <p>Zoom</p>	<p>9:00 - 12:00 pm</p> <p>12:00 - 1:00 pm</p> <p>1:00 – 5:00 pm</p>	<p>MEDICAL SOPS – simulated calls</p> <p>Acute Abdominal Pain Dialysis/Chronic Renal Failure Altered Mental Status/Syncope Alcoholism/Alcohol Intoxication Diabetic/Glucose Emergencies: hypo/hyperglycemia; DKA, HHNS Drug OD/Poisonings CO poisoning; transport options to LGH Cyanide poisoning: Hydroxocobalamin Drugs: dextrose 10%, naloxone, ketamine, midazolam; atropine Cold/Submersion/Water-related/Heat Emergencies Hypertension emergencies Behavior Health Emergencies Policy: Impaired practice Procedure: Suicide screen/Use of restraints</p> <p>Generalized seizures Stroke: BEFAST LVO stroke screen; Stroke alerts; transport decisions Shock – Septic (qSOFA screen; Sepsis alerts)</p> <p>Lunch</p> <p>Initial Trauma Care; Triage & transport criteria (Trauma alerts)</p> <p>Procedures: IVF volumes; hemorrhage control; pelvic splinting; Helicopter Transport Guidelines Hypovolemic shock Traumatic arrest Head Trauma: Spine trauma: spine motion restriction guidelines Chest/Abdominal trauma Procedure: pleural decompression; vented chest seals</p> <p>Eye/Facial trauma Drug: Tetracaine Procedure: eye irrigation; protective shields; preserving teeth</p> <p>Musculoskeletal trauma; crush, compartment, suspension syndromes Burns/Radiation Injuries: Drug: calcium gluconate gel Multiple patient incidents; Small, medium, large scale events Emergency preparedness: Plans; triage process/cards; use of DuoDote kits; Abuse/Interpersonal Violence/Nonaccidental trauma</p>	<p>Guest</p> <p>Guest</p>
<p>Jan 31, 2023</p> <p>Zoom</p>	<p>9:00 am – 12:00 pm</p> <p>12:00-1:00 pm</p> <p>1:00 -5:00 pm</p>	<p>Emergency childbirth – simulated calls</p> <p>Normal delivery procedure Healthy newborn and postpartum care OB/delivery complications Periviable births; newborn resuscitation Trauma in pregnancy</p> <p>Lunch</p> <p>Pediatric Protocol – simulated calls</p> <p>IMC; Calculating peds drug doses; Children w/ special needs Peds Advanced airway; Peds Airway Obstruction Peds Respiratory arrest Peds Allergic Reaction/Anaphylactic shock Peds Asthma; croup; epiglottitis; RSV/Bronchiolitis SIDS; BRUE Peds Cardiac dysrhythmias Peds Medical emergencies Peds Seizures – Sepsis-Septic Shock Peds ITC/Trauma score/Trauma SOPs/Abuse Policy: Refusal of service in minors</p> <p>SOP APPENDIX DOCUMENTS</p>	<p>C. Mattera</p>
<p>FINAL Written exam; ECG strip test & practical testing at home hospital</p>			