

	Medical-Surgical Units	mbined with the patient's condition, and availab Intermediate (CCU & SCU)	Critical Care (ICU)
	 Monitoring nd/or treatments by nursing Q4H-Q8H More frequent monitoring is possible for limited periods of time while actively being treated (depending on staffing resources) ex: Q 1 hr X 2 	 → Monitoring and/or treatments by nursing Q2H-Q4H -Exceptions include POCT/Blood sugar monitoring for insulin titration → 1:3 RN to patient ratio → Nursing Assessments: Full Assessment every shift with focused re-assessments Q4H 	 → Management using invasive and non-invasive life sustaining equipment/technology. → Medications that demand frequent, astute assessments and titration/management by nursing. → Frequent (Q2 hours or less) vital/neuro sign monitoring and/or treatments by nursing → 1:1 or 2:1 RN to patient ratio to facilitate close monitoring dependint on patient condition
	Medical-Surgical Units	Intermediate (CCU & SCU)	Critical Care (ICU)
	 → Oxygen requirement of <60 % and flow 8L/min not requiring continuous O2 saturation monitoring → → Patient at baseline respiratory status or on home oxygen dose and device 	 → Patients with Acute Hypoxic Respiratory Failure with High flow O2 supplementation with plan to wean → Patients on high flow O2 or BiPAP who are DNR/DNI → Stable high flow with FiO2 to keep O2 saturation ≥93% (88% for COPD) and/ or at baseline WOB 	 → Patients with Acute Hypoxic Respiratory Failure: receiving high flow O2 support -FiO2 >60% and/OR High flow for continuous increased WOB -100% non-rebreather mask continuous -→ Respiratory decline requiring intubation
	→Patients with Chronic hyper carbic respiratory failure requiring BiPAP/CPAP at hour of sleep.	→ NEW BiPAP in patients whose goals of care do not include intubation (DNR/DNI) ->Patients with Acute onset of CHF/Pulmonary edema on BiPAP expected to wean within 2 hours after receiving IV diuretics (CCU preferred)	→Patients requiring NEW and/or Continuous BiPAP/CPAP for ventilatory support to recover from Acute Hypoxic Respiratory Failure, acute hypoxic (e.g., CHF) or hypercarbia respiratory failure (e.g., COPD).
		 Chronic tracheostomy patients → Tracheostomies old who require BIPAP → Stable post op who has an existing tracheostomy (VSS and can use call system for assistance or can manage their secretions) → Chronic tracheostomy patients who use ventilator mode at HS at baseline or as needed for management of irreversible condition 	 → Need for invasive mechanical ventilation. → New post operative tracheostomy patients → All post op Laryngectomy patients
	 → Stable patients with chronic tracheostomy requiring respiratory treatments, pulmonary toilet, tracheostomy care Every 4-8 hrs → 3E accepts patients with recently created tracheostomy 	→Patients with a tracheostomy or laryngectomy requiring respiratory treatments, pulmonary toilet/suctioning, tracheostomy care 2-4 hours (suctioning may also include PRN needs)	→ Need for respiratory therapy treatments, pulmonary toilet, tracheostomy care frequently/ more often than Q1H or for complex condition
	→Normal work of breathing and reduced angioedema	 → Airway monitoring for airway edema (mild-moderate angioedema) requiring suctioning or other airway care every 2 -4 hours according to clinical picture 	→ Concern for acute airway compromise (i.e., patients with severe angioedema or epistaxis) Or who require suctioning more frequently than every 2 hours
	 → Stable Pulmonary Embolus with no evidence of right heart strain → Heparin infusions are appropriate 	Pulmonary embolus with no evidence of right heart strain with HR 100-129, hypoxia and/or significant medical comorbid conditions (CHF, COPD, others) → PE with right heart strain in patients whose goals of care do not include thrombectomy or thrombolysis OR after initial 24 hours of ICU LOC	 → Pulmonary Embolus with right heart Strain (as indicated by any of: elevated BNP, troponin or tachycardia (HR>130)) will be managed in ICU for at least 24 hours → All patients with thromboembolic disease (DVT or PE) who receive thrombolytic agents, first 24 hours. Ex: Alteplase/TPA

Replaces archived Critical Care A-0.1 SCU Guidelines, A-1.17 CCU Intermediate LOC Admission and Discharge Criteria. Approved by ED & Reps from Inpt Nursing/Physician Leadership & Pharmacy 4/2020; Revised 7/21/2023. NB; Page 1 of 4



Level of Care Guidelines

	Level of care identified for patient placement is a collaborative medical and nursing decision based on clinical judgement of the identified criteria combined with the patient's condition, and available resources		
	Medical-Surgical Units	Intermediate (CCU & SCU)	Critical Care (ICU)
SIRS, Severe Sepsis & Septic Shock	 → Hemodynamic stability (with 10 % of baseline HR, BP, RR/WOB, oxygen saturation and mentation) → ≤2 of the SIRS Criteria → <u>SIRS criteria</u>: WBC count > 12,000 or < 4,000 10% bands HR >90 RR >20 T>100.4F or <96.8F 	 → Severe sepsis and/or multiple comorbid conditions with hemodynamic stability with a down-trending lactate more than 25% or lactate <4 → SBP greater than or equal to ≥90 after adequate fluid resuscitation → SIRS criteria: WBC count > 12,000 or < 4,000 10% bands HR >90 RR >20 T>100.4F or <96.8F 	Severe Sepsis/ Septic Shock: → SBP <90 mm Hg and/or serum lactate ≥ 4.0 related to shock state, despite adequate initial resuscitation and/or requiring chemical support → SIRS criteria: WBC count > 12,000 or < 4,000 10% bands HR >90 RR >20 T>100.4F or <96.8F
Endocrine	 → Resolved DKA no longer requiring continuous insulin infusion. → Glucose checks Every 4-8 hrs 	 DKA (Diabetic Ketoacidosis) requiring continuous insulin infusion with pH ≥ 7.1 expected to improve within 8-12 hours Severe hyperglycemia requiring continuous insulin infusion, *Q1H Blood glucose monitoring acceptable* >Insulin drip for hypertriglyceridemia 	→DKA or hyperglycemia requiring continuous infusion of insulin and pH <7.1 or concomitant renal failure, sepsis, myocardial infarction, severe electrolyte abnormalities or other process
Electrolyte and pH abnormalities	 → Electrolyte checks Every 4-8 hrs → Sodium >120 -Hyponatremia with mild symptoms (anorexia n/v, fatigue, headache) 	 → Patients requiring frequent monitoring (electrolyte checks or ECGs Q 1 hr for > 8 hrs) of non-life-threatening electrolyte abnormalities → Sodium: 115-120, → Sodium: 145-170, (related to hyperglycemia/HHS, or DI) 	 → Metabolic Acidosis with pH <7.1 → Serum sodium: < 115 or > 170 → Serum potassium: < 2.0 or > 6.0 with EKG changes or abnormalities or → Potassium > 8 → Serum Calcium: Abnormality with ECG changes
Temperature Management	 → Normothermia Deviations not accompanied by VS or neurological changes and is a single system failure (no clinical instability) → Mild hypothermia and hyperthermia with stable VS and responsive to nursing and pharmacological interventions -Use of Bair Huggar (air flow) not acceptable -Blanketrol (water) with rectal probe for continuous temperature reading is acceptable* *Provider orders REQUIRED for temperature goal and temperature/VS schedule 	 Mild-Moderate hypothermia ranging 92-95F Hyperthermia in the absence of hemodynamic instability or CNS complications such neuroleptic malignant syndrome -Use of nursing interventions, pharmacological and external warming/cooling using Blanketrol* -*Bair Hugger NOT accepted on intermediate units *Provider orders REQUIRED for temperature goal and temperature/VS schedule 	 → Hypothermia – temperature <33.3C (92° F) or suspected Sepsis with multi system compromise → Use of fluid warmer for hypothermia → Use of Blanketrol or Bair Hugger for temperature control → Use Gaymar for TTM → Use of nursing interventions (and antipyretics) for hypo/hyperthermia *Provider orders temperature goal and temperature/VS schedule

Replaces archived Critical Care A-0.1 SCU Guidelines, A-1.17 CCU Intermediate LOC Admission and Discharge Criteria. Approved by ED & Rep from Inpt Nursing/Physician Leadership & Pharmacy 4/2020; Revised 7/21/2023. NB; Page 2 of 4



Level of care identified for patient placement is a collaborative medical and nursing decision based on clinical judgement of the identified criteria combined with the patient's condition, and available resources

	Medical-Surgical Units	Intermediate (CCU & SCU)	Critical Care (ICU)
Cardiac/ Hemodynamic Instability	 → Hemodynamic stability (baseline HR, BP, RR/WOB, mentation and no complaints such as CP, dizziness, SOB/breathing difficulty) → SBP >90 with improving clinical status or within 10% of patients baseline. → Blood pressure monitoring, VS, neurological monitoring ≥Q4H → Stable Diltiazem infusions with changes that only require close monitoring for a limited period of time are acceptable. → Albumin administration appropriate 	 → Hypertensive Urgency without evidence of end-organ damage (intracranial hemorrhage, renal failure, myocardial infarct) → Active titration of medications within intermediate limits (see below) for BP and/or HR in accordance with the titration guidelines pending effectiveness. NO additional administration/concomitant infusions to be added for poor hemodynamic response; consider transfer to higher LOC → A-Lines and CVP monitoring accepted on intermediate units → Consider CCU Placement: Tachy and Brady arrhythmias, BNP/Trop right sided heart failure Continuous Drips Appropriate for Intermediate Units: Note: hospitalist service will manage only diltiazem and amiodarone infusions Diltiazem NitroGLYCERIN Labetalol Lidocaine Procainamide Phenylephrine Amiodarone DOBUTamine: 10mcg/kg/min (Max rate *Not titratable*) DOPamine: ≤10mcg/kg/min continuous Esmolol Isuprel Eptifibatide Cangrelor Milrinone *Hospitalists only manage Diltiazem and Amiodarone infusions 	 Continuous hemodynamic monitoring by invasive means Need for frequent titration of multiple vasoactive drugs Cardiopulmonary arrest with intubation with or without Hypothermia (HACA) Patient management with intra-aortic balloon pump or Impella Ventricular Assist Peripheral vascular disease requiring EKO Sonic® with thrombolytic therapy. Hypertensive emergency requiring continuous infusion or titration of antihypertensive agent or with evidence of end-organ damage. Drug desensitization (i.e., aspirin, antibiotics), during initial medication therapy Hypotension – systolic blood pressure <90 mm Hg, unresponsive to immediate fluid resuscitation of 30 cc/kg Tachycardia – sustained heart rate > 150 bpm despite intervention Bradycardia – sustained heart rate < 30 bpm despite intervention Hypothermia – temperature ≥107° F Hypothermia:<92° F or presence of clinical instability
Acute Alcohol Withdrawal	 → <10mg Ativan in 8 hour period → CIWA Protocol effective for withdrawal symptoms 	→Ativan >10 mg Ativan in 8-hour period and still actively scoring. → Phenobarbital dose 5-10 mg/kg, not to exceed 60 mg/min or 1,000mg/24 hrs (per the Intermediate unit Severe ETOH Wtithdrawal Guidance)	 Increased dosing and treatment requirements despite CIWA protocol Severely agitated condition requiring mechanical restraint. Withdrawal seizure and Severe withdrawal symptoms: HR >115, SBP > 170, RR > 25, Temp > 101 Severe alcohol withdrawal requiring MICU AWS protocol or additional administration(s) of Phenobarbital, propofol, or continuous infusion of benzodiazepine agent.



Level of Care Guidelines

	→Stable H/H with Hemoglobin checks ≥6hrs	→Acute ongoing active blood loss (Hematemesis, melena, bright	→ Evidence of GI bleeding with Hemodynamic instability: SBP < 90 mm
		red rectal blood or ongoing anemia) of mild to moderate volume	Hg; HR > 120 despite appropriate fluid resuscitation.
			→Acute ongoing active blood loss (hematemesis, melena, bright rectal
å			blood) of moderate to severe volume requiring rapid infusion.
ediı			→GI bleed with strong clinical suspicion for esophageal variceal bleeding
Ble			→ Elevated BNP AND troponin AND signs of right heart failure on CT PE,
5			EKG or echocardiogram

Level of care identified for patient placement is a collaborative medical and nursing decision based on clinical judgement of the identified criteria combined with the patient's condition, and available resources			
	Medical-Surgical Units	Intermediate (CCU & SCU)	Critical Care (ICU)
Toxic Ingestions/Overdose	 →Awake →Hemodynamic stability (Stable=pt's BP, HR/ECG, RR, effort and oxygen saturation wnl or at baseline; may be lethargic, but otherwise neurologically intact) →Acetaminophen OD requiring Mucomyst (Acetadote) is appropriate. →EKG Q2 hr for limited time ≤6 hrs 		 Drug overdose cases that lead to neuro or hemodynamic changes requiring more frequent than Q 2hr monitoring, management or expected decompensation. Concentrated insulin infusion for BB/CCB OD (HIET) Drug overdose requiring medication or other critical care treatment with reversals. Narcan infusions EKG Q30 min