VUMC INTRAVENOUS MEDICATION ADMINISTRATION CHART

Approved by Pharmacy, Therapeutics, and Diagnostics Committee (Last Revised January 2021)

This list is not inclusive of all VUMC Formulary medications given intravenously. Refer to references such as <u>Lexi-Comp Online™</u> or contact the Pharmacy for additional information on administration and monitoring. This list does not apply to medication administration with provider oversight during emergency situations.

To request changes to this chart, contact PandTcomm@vumc.org. Refer to the following resources for information on standard infusion concentrations: Alaris Guardrails Library and Children's Hospital Standard Drip Concentrations.

^{**}Titration refers to a medication order in which the dose is either progressively increased or decreased in response to the patient's status. The provider must specify the initial rate, incremental units the rate can be increased or decreased, frequency for incremental doses, maximum rate of infusion, and objective clinical endpoint.

MEDICATION	CATEGORY	✓ = Approve	PPROVED FO ed for Level of Co Designations Cha	are Indicated	RESTRICTIONS		
		ICU	Stepdown	Gen Care			
Acetylcysteine	Acetadote	✓	√	√	Not for IV Push		
Adenosine (Adenocard)	Antiarrythmic	See Restrictions	See Restrictions	See Restrictions	 Infusion not recommended Provider required to be present at bedside during administration and to visually observe patient for at least 5 minutes after administration Continuous ECG monitoring for 30 minutes Monitor BP at baseline and every 15 min x 2 		
Albumin	Blood Product Derivative	√	√	√			
Alemtuzumab (Campath)	Monoclonal Antibody	✓	√	√	Not for IV Push		
Alprostadil (Prostin VR)	Prostaglandin	√			 Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients 		

^{*}Central Line Preferred indicates that the medication is associated with venous irritation. Certain situations may require that the medication be administered peripherally (e.g., emergency situations, waiting on central line placement, or very short duration of infusion planned). Infusion of these medications/solutions through a peripheral vein may lead to loss of vascular access or damage to the vein and/or surrounding tissue, resulting in chemical phlebitis and thrombus formation. Other factors including vein size, infusion rate, catheter dwell time, catheter size and location also influence the risk of phlebitis. Monitor closely for signs and symptoms of infiltration and/or phlebitis if given peripherally.

MEDICATION	CATEGORY	✓ = Approve	PPROVED FO ed for Level of Ca Designations Cha	are Indicated	RESTRICTIONS
Alfantaa	The second of Co	ICU	Stepdown	Gen Care	
Alteplase (Activase) Also known asTissue Plasminogen Activator (t-PA)	Thrombolytic	See Restrictions	See Restrictions	See Restrictions	 Infusions are restricted to ICU and Stepdown May be used without restriction for catheter clearance. Orders for clearance of drains or chest tubes must be administered by provider in all areas. Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients
Aminocaproic Acid (Amicar)	Hemostatic Agent	√			Not for IV Push
Aminophylline	Bronchodilator	√	See Restrictions	See Restrictions	In Stepdown and General Care, restricted to adult patients
Amiodarone (Cordarone)	Antiarrythmic	√	See Restrictions		 In Stepdown areas, infusion is restricted to adult patients with no titration** *Central Line Preferred if conc > 2 mg/mL Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients
Angiotensin II (Giapreza)	Vasoactive Agent	See Restrictions			 Restricted to adult patients in MICU only with approval by the Medical Director Not for IV Push *Central Line Preferred
Antithymocyte Globulin-Rabbit (Thymoglobulin)	Immunosuppressant	✓	√	√	Not for IV Push
Argatroban	Anticoagulant	√	√	√	Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients
Ascorbic Acid	Antioxidant	√ See Restrictions			 Restricted to adult patients in the Burn ICU Not for IV Push
Atropine	Anticholinergic	√	See Restrictions	See Restrictions	 In Stepdown and General Care areas, provider required to be present at bedside during administration and to visually observe patient for at least 5 minutes after administration. May be given in Stepdown prior to provider arrival while waiting for provider to arrive and monitor the patient. Monitor BP and heart rate at baseline and every 15 minutes x 1

MEDICATION	CATEGORY	✓ = Appro Refer to Area	APPROVED FO ved for Level of Co Designations Ch	are Indicated art on last page	RESTRICTIONS
		ICU	Stepdown	Gen Care	
Basiliximab (Simulect)	Monoclonal Antibody	√	√	√	Not for IV Push
Bivalirudin (Angiomax)	Anticoagulant	√	√	√	 Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients
Bumetanide (Bumex)	Diuretic	√	√ See Restrictions	See Restrictions	In Stepdown and General Care areas, infusion is restricted to adult patients with no titration**
Buprenorphine (Buprenex)	Opioid (C-III)	√	✓	√	 Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging
Butorphanol (Stadol)	Opioid (C-IV)	√	√	~	Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging
Calcium Chloride (CaCl)	Electrolyte	√	See Restrictions	See Restrictions	 In Stepdown and General Care areas, restricted to intermittent infusion only *Central Line Preferred Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients
Calcium Gluconate	Electrolyte	√	√ See Restrictions	√ See Restrictions	 For pediatric patients, in Stepdown and General Care areas, restricted to intermittent infusion only Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients
chlorproMAZINE (Thorazine)	Antipsychotic	√	√	√	Not for IV Push
Cisatracurium (Nimbex)	Paralyzing Agent	✓			 Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients
Clevidipine (Cleviprex)	Antihypertensive	√			 Non-formulary for Children's Hospital Not for IV Push

MEDICATION	CATEGORY	✓ = Appro	APPROVED FO ved for Level of C Designations Ch	are Indicated	RESTRICTIONS
		ICU	Stepdown	Gen Care	
Crotalidae Polyvalent Immune Fab (Ovine) (CroFab)	Antivenin	✓	· ✓	√	
cycloSPORINE (SandIMMUNE)	Immunosuppressant	√	√	√	Not for IV Push
Dexamethasone (Decadron)	Corticosteroid	√	√	√	
Dexmedetomidine (Precedex)	Sedative	~	See Restrictions	See Restrictions	 In Stepdown and General Care areas, restricted to pediatric patients for palliative care or for anxiolysis with MIBG therapy according to the restrictions outlined in the following policy/SOP documents: CL SOP – End-of-Life Medications on General Care Units - Pediatrics Pediatric Myelosuppression SOP – Metaiodobenzylguanidine (MIBG) Anxiolysis and Management Refer also to the following policy/SOP documents: Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Infusion Administration and Management
Dextrose in Water	Nutrition Therapy	√	√	√	*Central Line Preferred for concentrations above 12.5%
diazePAM (Valium)	Benzodiazepine (C-IV)	~	✓	\	 For IV Push only Refer to the following policy/SOP documents: Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Infusion Administration and Management Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients

MEDICATION	CATEGORY	✓ = Appro	APPROVED FO ved for Level of C a Designations Ch	are Indicated	RI	ESTRICTIONS
		ICU	Stepdown	Gen Care		
Digoxin (Lanoxin)	Miscellaneous	V	See Restrictions	See Restrictions	•	In Stepdown and General Care areas, restricted to adult patients Refer to the following policy/SOP documents: o High Alert Medications: Adult Patients o High Alert Medications: Pediatric Patients
Dihydroergotamine (DHE 45)	Antimigraine	V	√	√		
dilTIAzem (Cardizem)	Calcium Channel Blocker	√	See Restrictions	See Restrictions	•	Restricted to ICU in VCH In VUH Stepdown areas, restricted to adult patients with no titration** of infusions In VUH General Care areas, restricted adult patients via IV Push with provider required to be present at bedside during administration and to visually observe patient for at least 5 minutes after administration Continuous ECG monitoring for 30 minutes Monitor BP and heart rate at baseline and every 15 min x 2
diphenhydrAMINE (Benadryl)	Antihistamine	√	√	√		
DOBUTamine (Dobutrex)	Adrenergic agonist	√	See Restrictions		•	In Stepdown areas, restricted to adult patients with no titration** of infusions Refer to the following policy/SOP documents: o <u>High Alert Medications: Pediatric Patients</u>
DOPamine (Intropin)	Adrenergic agonist	V	See Restrictions	See Restrictions	•	In VUH Stepdown areas, restricted to adult patients with no titration** of infusions In VCH, restricted to cardiac stepdown only for the treatment of protein-loosing enteropathy In General Care areas, restricted to adult kidney and/or pancreas transplant patients in the first 24 hours post-op while on 1:1 RN care in the transplant unit *Central Line Preferred Refer to the following policy/SOP documents: o High Alert Medications: Pediatric Patients
Enalaprilat (Vasotec)	ACE Inhibitor	√	√ See Restrictions	√ See Restrictions	•	In Stepdown and General Care areas, restricted to adult patients
EPINEPHrine (Adrenalin)	Adrenergic agonist	√			•	*Central Line Preferred Refer to the following policy/SOP documents: o High Alert Medications: Pediatric Patients

MEDICATION	CATEGORY	✓ = Appro	APPROVED FO ved for Level of Ca Designations Cha	are Indicated	RESTRICTIONS
		ICU	Stepdown	Gen Care	
Eptifibatide (Integrilin)	Antiplatelet	V	See Restrictions		 In Stepdown areas, restricted to adult patients with no titration** of infusions
Esmolol (Brevibloc)	Beta-blocker	~	See Restrictions		 In Stepdown areas, restricted to adult patients in cardiac stepdown areas with EP physician approval and no titration** of infusions *Central Line Preferred Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients
Etomidate (Amidate)	Sedative	√			 Refer to the following policy/SOP documents: Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging
Famotidine (Pepcid)	Antihistamine	√	√	✓	
Fenoldopam (Corlopam)	Dopamine Agonist	√			On formulary in Children's Hospital only
fentaNYL (Sublimaze)	Opioid (C-II)	V	See Restrictions	See Restrictions	 PCA and epidural infusions are allowed in all areas following established SOPs, In Stepdown and General Care areas, IV continuous infusions and bolus doses are restricted to palliative care patients only according to the restrictions outlined in the following policy/SOP document: CL SOP – End-of-Life Medications on General Care Units - Pediatrics Refer also to the following policy/SOP documents: High Alert Medications: Adult Patients
					 High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients MM SOP – Epidural Analgesia Administration and Management Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Infusion: Administration and Management
Flumazenil (Romazicon)	Antidote	√	√	√	

MEDICATION	CATEGORY	✓ = Appro	APPROVED FO	are Indicated	ESTRICTIONS	
		ICU	Stepdown	Gen Care		
Fosphenytoin (Cerebyx)	Anticonvulsant	√	√	√		
Furosemide (Lasix)	Diuretic	√	√ See Restrictions	√ See Restrictions	In Stepdown and General Care areas, infusion is restricted to adult patients with no titration* infusions	* of
Glucagon	Antidote	✓	✓	✓		
Glycopyrrolate (Robinul)	Anticholinergic	√	√	✓		
Haloperidol (Haldol)	Antipsychotic	√	√	✓		
HBIG (Hepagam B)	Blood Product Derivative	√	√	√	Not for IV Push	
Heparin	Anticoagulant	√	√	√	Refer to the following policy/SOP documents: o	
hydrALAZINE (Apresoline)	Vasodilator	√	√	√	Not for IV infusion Monitor BP and heart rate at baseline and every 15 min x 2	
Hydrocortisone sodium succinate (Solu-CORTEF)	Corticosteroid	~	√	√		

MEDICATION	CATEGORY	✓ = Approve	PPROVED FO ed for Level of Ca Designations Cha	are Indicated	RI	ESTRICTIONS
		ICU	Stepdown	Gen Care		
HYDROmorphone (Dilaudid)	Opioid (C-II)		See Restrictions	See Restrictions	•	PCA and epidural infusions are allowed in all areas following established SOPs (see below) For continuous infusion: In Stepdown and General Care areas, restricted to adult patients with no titration** of infusion Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients MM SOP – Epidural Analgesia Administration and Management Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Infusion: Administration and Management
Ibutilide (Corvert)	Antiarrythmic	See Restrictions			•	Restricted to adult ICU patients
Immune Globulin Intravenous IVIG (GAMMAGARD liquid)	Blood Product Derivative	✓	~	~	•	Not for IV Push
Immune Globulin Intravenous IVIG (GAMMAGARD S/D)	Blood Product Derivative	√	√	√	•	Not for IV Push
Immune Globulin Intravenous IVIG (GAMUNEX)	Blood Product Derivative	√	√	√		Not for IV Push ote: This is the product of choice in patients with/ OR at risk of RENAL INSUFFICIENCY or RENAL AILURE

MEDICATION	CATEGORY	✓ = Approv	APPROVED FO ved for Level of C Designations Ch	are Indicated	RES	STRICTIONS
		ICU	Stepdown	Gen Care		
Insulin	Insulin		See Restrictions	See Restrictions	•	Restricted to ICU in VCH In VUH, infusion in Stepdown areas is restricted to the following: o 4N and 4E Maternal Special Care have ICU privileges for insulin drips o 5S - insulin infusions following eStar nurse-managed insulin protocol for up to 24 hours o 8MCE - insulin infusions for DKA patients only following eStar nurse-managed insulin protocol o 8S and 8N - insulin infusions for DKA patients only following eStar nurse-managed insulin protocol o ED C-pod - insulin infusions for DKA patients only following eStar nurse-managed insulin protocol In General Care areas, IV Push only for hyperkalemia Refer to the following policy/SOP documents: o High Alert Medications: Adult Patients o High Alert Medications: Pediatric Patients
Isoproterenol (Isuprel)	Adrenergic agonist	√	√ See Restrictions		•	In Stepdown areas, restricted to adult patients with no titration** of infusions
Ketamine (Ketalar)	Sedative (high doses) Analgesic (low doses) C-III	✓	See Restrictions	See Restrictions	•	In adult Stepdown and General Care areas, administered according to the restrictions outlined in the following policy/SOP document: o MM SOP - Low-Dose Ketamine Infusion in General Care and Stepdown Areas In pediatric Stepdown and General Care areas, restricted to palliative care patients according to the restrictions outlined in the following policy/SOP document: o CL SOP - End-of-Life Medications on General Care Units - Pediatrics Refer also to the following policy/SOP documents: o Procedural Sedation o MM SOP - Minimal Sedation for Procedures and Diagnostic Imaging o MM SOP - Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Infusion: Administration and Management o High Alert Medications: Adult Patients o High Alert Medications: Pediatric Patients
Ketorolac (Toradol)	NSAID	√	√	√		

MEDICATION	CATEGORY	✓ = Approve	PPROVED FO ed for Level of Ca Designations Cha	are Indicated	RE	ESTRICTIONS
		ICU	Stepdown	Gen Care		
Labetalol (Normodyne, Trandate)	Beta-blocker	\	See Restrictions	See Restrictions	•	 Infusions: In Stepdown areas, restricted to adult patients with continuous monitoring and no titration** of infusions In General Care areas, restricted to adult kidney and/or pancreas transplant patients in the first 24 hours post-op while on 1:1 RN care in the transplant unit IV Push: In General Care areas, restricted to adult patients with provider required to be present at bedside during administration and to visually observe patient for at least 5 minutes after administration Monitor BP and heart rate at baseline and every 15 min x 2
Levothyroxine (Synthroid)	Thyroid Hormone	√ See Restrictions	√ See Restrictions	√ See Restrictions	•	Infusions are restricted to Tennessee Donor Services (TDS) patients only
Lidocaine (Xylocaine)	Analgesic Antiarrythmic	See Restrictions	See Restrictions	See Restrictions	•	For antiarrhythmic use: ICU – no restrictions Stepdown – restricted to adult patients with no titration** of infusion General Care – restricted to adult patients with no titration** of infusion For analgesic use: Restricted to adult patients in ICU, Stepdown, and General Care areas according to the restrictions outlined in the following policy/SOP document: MM SOP – Lidocaine Infusions for Pain - VUH Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients
Liothyronine (Triostat)	Thyroid Hormone	√				

MEDICATION	CATEGORY	✓ = Approve Refer to Area I	PPROVED FO ed for Level of Co Designations Cha	are Indicated art on last page	RESTRICTIONS
		ICU	Stepdown	Gen Care	
LORazepam (Ativan)	Benzodiazepine (C-IV)	See Restrictions	See Restrictions	See Restrictions	 No restriction for: intermittent dosing Benadryl / Ativan / Dexamethasone (BAD) Anti-Emetic Syringe For continuous infusion, the following restrictions apply: In ICU areas, restricted to adult patients In Stepdown and General Care areas, restricted to adult patients with no titration** of infusion Refer to the following policy/SOP documents: Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Infusion:
Lymphocyte immune globulin; Antithymocyte Globulin –Equine (Atgam)	Immunosuppressant	√	√	√	Not for IV Push
Magnesium Sulfate	Electrolyte	√	√	√	Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients
Mannitol (Osmitrol)	Osmotic agent	√	√	√	
Methylergonovine (Methergine)	Miscellaneous	√			Non-formulary for Children's Hospital
Methylprednisolone sodium succinate (Solu-MEDROL)	Corticosteroid	√	√	√	Note: Methylprednisolone acetate is for IM use only.
Metoclopramide (Reglan)	Antiemetic	√	√	√	

MEDICATION	CATEGORY	✓ = Approv	APPROVED FO ved for Level of C Designations Ch	are Indicated	ESTRICTIONS	
Metoprolol (Lopressor)	Beta-blocker	ICU	Stepdown	Gen Care See Restrictions	Not for continuous infusion in any area In General Care areas: Restricted to adult patients via IV Push with provider required to be present at bed during administration and to visually observe patient for at least 5 minutes after administration May be administered to adult kidney and/or pancreas transplant patients in the first 24 his post-op while on 1:1 RN care in the transplant unit	
Midazolam (Versed)	Benzodiazepine (C-IV)	✓	See Restrictions	See Restrictions	 Continuous ECG monitoring for 30 minutes Monitor BP and heart rate at baseline and every 15 min x 2 In General Care areas, may only be administered for minimal or moderate sedation following established policies/SOPs: Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Moderate Sedation In Stepdown areas, no titration** of infusions, except when: Following established SOP for pediatric palliative care patients: CL SOP – End-of-Life Medications on General Care Units - Pediatrics Following established SOP for anxiolysis in pediatric patients receiving MIBG therapy: Pediatric Myelosuppression SOP – Metaiodobenzylguanidine (MIBG) Anxiolysis and Management Refer also to the following policy/SOP documents: MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance In Administration and Management 	
Milrinone (Primacor)	Inotropic agent	✓	See Restrictions		 High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients In Stepdown areas: For adult patients, no titration** of infusions For pediatric patients, restricted to the Pediatric Cardiology Inpatient Unit (PCARD) according to the restrictions outlined in the following policy/SOP documents Refer to the following policy/SOP documents: MM SOP – Milrinone Infusion in the Pediatric Cardiology Inpatient Unit High Alert Medications: Pediatric Patients 	ording

MEDICATION	CATEGORY	APPROVED FOR ✓ = Approved for Level of Care Indicated Refer to Area Designations Chart on last page			RESTRICTIONS			
		ICU	Stepdown	Gen Care				
Morphine Sulfate	Opioid (C-II)		See Restrictions	See Restrictions	 PCA infusions are allowed in all areas following established SOPs (see below) Continuous infusion in Stepdown and General Care areas are restricted to adult patients Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Information and Management 			
Naloxone (Narcan)	Antidote	√	√	√				
Neostigmine (Prostigmin)	Antidote	See Restrictions			•	Administered by provider only		
niCARdipine (Cardene)	Calcium Channel Blocker	√	See Restrictions		•	In Stepdown areas, restricted to adult patients with no titration** of infusions *Central Line Preferred Refer to the following policy/SOP documents: o High Alert Medications: Pediatric Patients		
Nitroglycerin (Nitrostat)	Vasodilator	√	√ See Restrictions		•	In Stepdown areas, restricted to adult patients with no titration** of infusions		
Nitroprusside (Nipride)	Vasodilator	√			•	Refer to the following policy/SOP documents: o <u>High Alert Medications: Pediatric Patients</u>		
Norepinephrine (Levophed)	Adrenergic agonist	√	See Restrictions		•	In Stepdown areas, restricted to adult patients with no titration** of infusions *Central Line Preferred Refer to the following policy/SOP documents: o High Alert Medications: Pediatric Patients		
Octreotide (SandoSTATIN)	Miscellaneous	√	√	√				
Oxytocin (Pitocin)	Miscellaneous	√	√	√	•	Non-formulary for Children's Hospital		

MEDICATION	CATEGORY	APPROVED FOR ✓ = Approved for Level of Care Indicated Refer to Area Designations Chart on last page			RESTRICTIONS		
		ICU	Stepdown	Gen Care			
Pamidronate (Aredia)	Bisphosphonate	√	√	√	Non-formulary for Children's Hospital		
Paracalcitrol (Zemplar)	Vitamin D Analog	√	√	√	Non-formulary for Children's Hospital		
PENTobarbital (Nembutal)	Sedative (C-II)	✓	See Restrictions	See Restrictions	 For adult patients, restricted to ICU only In Stepdown and General Care areas, restricted to pediatric palliative care patients according to the restrictions outlined in the following policy/SOP: CL SOP – End-of-Life Medications on General Care Units - Pediatrics Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Infusion: Administration and Management 		
PHEN obarbital	Anticonvulsant (C-IV)	✓	√	~	Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging		
Phenylephrine (Neosynephrine)	Adrenergic agonist	√	See Restrictions		 In Stepdown areas, restricted to adult patients in the Clinical Research Center (CRC) following the Nesiritide study protocol with the provider at bedside *Central Line Preferred Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients 		
Phenytoin Sodium (Dilantin)	Anticonvulsant	√	√	√			
Phytonadione (Aquamephyton)	Antidote	√	√	√	Not for IV Push		

MEDICATION	CATEGORY	APPROVED FOR ✓ = Approved for Level of Care Indicated Refer to Area Designations Chart on last page			RESTRICTIONS			
		ICU	ICU Stepdown					
Potassium Chloride (KCI)	Electrolyte	✓		\	•	Not for IV Push Refer to the following policy/SOP documents: o <u>High Alert Medications: Adult Patients</u> o <u>High Alert Medications: Pediatric Patients</u> o <u>MM SOP – Intravenous Potassium for Pediatric Patients</u>		
Procainamide (Procan)	Antiarrythmic	√	See Restrictions		•	 In Stepdown areas, restricted to adult patients with no titration** of infusions Refer to the following policy/SOP documents: High Alert Medications: Pediatric Patients 		
Prochlorperazine (Compazine)	Antiemetic	✓	√	√				
Promethazine (Phenergan)	Antiemetic	√ See Restrictions	See Restrictions	See Restrictions	•	For pediatric patients, restricted to central line and requires attending approval		
Propofol (Diprivan)	Sedative	√			•	Refer to the following policy/SOP documents: o Procedural Sedation o MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging		
Propranolol (Inderal)	Beta-blocker	✓			•	Restricted to adult ICU patients		
Protamine Sulfate	Antidote	√	√	√				
Remifentanil (Ultiva)	Opioid (C-II)	See Restrictions			•	For pediatric patients, infusions are restricted to 48 hours for brain injury patients. Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients Procedural Sedation MM SOP – Minimal Sedation for Procedures and Diagnostic Imaging MM SOP – Patient-Controlled Analgesia (PCA) and Continuous Controlled Substance Infusion: Administration and Management		
Rituximab (Rituxan)	Monoclonal Antibody	√	√	√				

MEDICATION	CATEGORY	APPROVED FOR ✓ = Approved for Level of Care Indicated Refer to Area Designations Chart on last page			RESTRICTIONS		
		ICU	Stepdown	Gen Care			
Rocuronium (Zemuron)	Paralyzing Agent	√			 Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients 		
Sodium Bicarbonate	Electrolyte	√	√	√	*Central Line Preferred		
23.4% Sodium Chloride Undiluted concentration = 4 mEq/mL	Electrolyte	See Restrictions			 In VCH: Administered by syringe pump only In VUH: Administered by provider only Not for IV Infusion Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients 		
3% Sodium Chloride	Electrolyte	V	See Restrictions		 In Stepdown areas, restricted to adult patients Not for IV Push *Central Line Preferred Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients 		
5% Sodium Chloride	Electrolyte	See Restrictions			 Restricted to Dialysis Unit use only by dialysis staff per dialysis order sets and nephrologist oversight Not for IV Push *Central Line Preferred Refer to the following policy/SOP documents: High Alert Medications: Adult Patients 		
Succinylcholine (Anectine)	Paralyzing Agent	√			 Refer to the following policy/SOP documents: High Alert Medications: Adult Patients High Alert Medications: Pediatric Patients 		
Tacrolimus (Prograf)	Immunosuppressant	√	✓	√			

MEDICATION	CATEGORY	APPROVED FOR ✓ = Approved for Level of Care Indicated Refer to Area Designations Chart on last page			RESTRICTIONS	
		ICU	Stepdown	Gen Care		
Vasopressin	Vasoconstrictor	✓			*Central Line Preferred	
(Pitressin)					Refer to the following policy/SOP documents:	
					o High Alert Medications: Pediatric Patients	
Vecuronium	Paralyzing Agent	✓			Refer to the following policy/SOP documents:	
(Norcuron)					o High Alert Medications: Adult Patients	
					o High Alert Medications: Pediatric Patients	
Verapamil	Calcium Channel	✓	✓		In Stepdown areas, restricted to adult patients as IV Push	
(Isoptin, Calan)	Blocker		See			
, ,			Restrictions			
Zolendronic Acid (Reclast or Zometa)	Bisphosphonate	√	√	√	Non-formulary for Children's Hospital	

Area Designations Chart (To be referenced in association with the VUMC Intravenous Medication Administration Chart)								
Unit/Area	ICU Designation	Step-Down Designation	General Care Designation					
Monroe Carell Jr Chi	/anderbilt							
Children's Hospital Outpatient Clinics (CHOC)			X					
OR / HR / PACU	X							
Neonatal ICU (NICU)	X							
Pediatric Cardiology ICU (PCICU)	X							
Pediatric Cardiology Inpatient Unit (PCARD)		Х						
Pediatric ICU (PICU)	X							
Pediatric Emergency (PED)	X							
Pediatric Hematology/Oncology (PHO)		Х						
Pediatric Medicine Acute Care (PMAC)			X					
Pediatric Surgery, Trauma, Adolescent Medicine (PSTAM)			Х					
VUH Newborn Nursery			Х					
VUH Stahlman NICU	Х							
Vanderbilt Children's Su	rgery and Clinics (N	/lurfreesboro)						
Children's Hospital Outpatient Clinics (CHOC)		,	Х					
OR / HR / PACU	Х							
Vanderbilt I	Psychiatric Hospita							
ECT Suite	X							
All other areas			Х					
	University Hospital		I.					
11N - Hematology/Oncology	<u> </u>		Х					
11S – Burn Unit	Х	Χ						
	(beds 23-30)	(all other beds)						
11C – COVID unit (temporary)			X					
10T3 - Myelo Stem Cell		X						
10N - Trauma	X							
10S – Surgery Trauma		X						
9T3– Surgical ICU	X							
9N – Surgical Stepdown		X						
9S – Surgical Specialty Care			X					
8T3 – Medical ICU	X							
8MCE - Medicine / Cardiac Stepdown	covered by ICI	cations may be giv J/Covid Team staf considered to be \$	f. Otherwise,					
8N – Medicine / Pulmonary Stepdown	ļ ss	X	•					
8S - Cardiac Stepdown		X						
7MCE - Cardiac Stepdown		Х						
7T3 – Ortho/Ortho Trauma/Bariatrics -			Х					
7N - Cardiac Step Down		Х						
7RW - Medicine		,	Х					
7S - Medicine Observation			X					
7S - Dialysis	X							
6MCE – Transplant Medicine / Surgical Care		X						
6CCT – Neuro ICU / Stepdown	X	X						
Todio 100 / Stopdown	(all other beds)	(6642, 6644, 6646, 6648,						
		6649, 6651,						

Area Des	signations Cha	irt	Ch and
(To be referenced in association with the			
Unit/Area	ICU Decimation	Step-Down	General Care
	Designation	Designation	Designation
		6653, 6655, 6656, 6657,	
		6659, 6661)	
6RW – Medicine		0009, 0001)	X
6N – Neuroscience			X
6S – Spine			X
5CCT - Cardiac Cath Lab / Hybrid OR / EP	X		^
Lab / PACU	^		
5CCT - HR /Cardiac Observation (COBS)		X	
5N – Cardiac ICU	X	Λ	
5RW – Palliative Care		L cations may be giv	on to nationte
Sixw - Famative Care		lliative Care attend	
		considered to be G	
5S – Cardiac Stepdown	palients are t	X	
4E – Maternal Special Care		X	
4E – Maternar Special Care 4E – Post Partum		^	X
4N – Labor and Delivery		X	^
4RW – Medicine		^	X
4S – Women's Surgery	X		^
4S - Holding and Recovery	^	X	
3 MCE – OR / PreOP / Recovery		^	V
3RW - Medicine			X
		V	^
2RW - Clinical Research Center	X	X	
Adult Emergency Adult Emergency C-POD		actions may be give	on to notionto
Addit Efficigency C-POD		cations may be giv CU level staff. Oth	
		sidered to be Step	
OR / HR / PACU	X	Sidered to be Step	-DOWII
Transitional Care Unit (TCU)	^	X	
TVC OR	X	^	
Vanderbilt Medical Group - Any clinics not		d to be general se	ro decianation
	ilsted are considere	d to be general ca	
Cool Springs Oncology Infusion Cool Springs Rheum infusion			X
1 6			
Med. Spec. Infusion (OHO)			X
Oncology Infusion			X
Peds Infusion			X
Stem Cell Infusion			X
VSAP			X
Clinic Procedure Suites	T v		
5MCE-S ECHO/TEE	X		
Cosmetic Surgery	X		
Endoscopy Lab	X		
FEL CONTRACTOR OF THE PROPERTY	X		
Vanderbilt Bone and Joint Surgery Center	X		
Interventional Pain Clinic (OHO)	X		
MCE OR / HR / RR	X		
Oral Surgery	X		
Plastic Surgery	X		
Radiation Oncology		X	

Area Designations Chart (To be referenced in association with the VUMC Intravenous Medication Administration Chart)								
Unit/Area	ICU Designation	Step-Down Designation	General Care Designation					
MOHS Dermatology (OHO)		X						
Urology		X						
Radiology Areas								
Computerized Tomography (CT Scan)			X					
Diagnostics			X					
Fluoroscopy			X					
Interventional	X							
Magnetic Resonance Imaging (MRI)			X					
Nuclear Medicine (Non-Stress)			X					
Nuclear Medicine (Stress)	Χ							
Outpatient Recovery		X						
Peripherally Inserted Central Catheters (PICC)			X					
Positron Emission Tomography (PET)			X					
Ultrasound			X					
Vanderbilt Imaging Services (OHO)	·		X					