

## Common Vesicants - Adult Patients

Medication	IV Intermittent Infusion			Infiltrate treatment
	Peripheral	Central	Max Rate	
<b>Miscellaneous</b>				
Fosphenytoin	25 mg PE/mL NS or D5	same	150 mg PE/min	Irritant, no treatment necessary.
Phenytoin	Less than 6.7 mg/mL, in NS only with in-line filter to decrease precipitation	same	50 mg/min (20 mg/min is preferred)	No treatment necessary
Vancomycin	≤ 5 mg/mL (≤ 1.25 gm in 250 mL, ≥ 1.5 gm in 500 mL NS or D5)	Up to 25 mg/mL (1 gm – 2.5 gm in 100 mL NS or D5)	<b>PL</b> – ≤ 1.25 gm over 1.25 hrs, ≥ 1.5 gm over 2.5 hrs (~210 mL/hr)  <b>CL</b> – ≥ 1 hr for every 1 gm (e.g., 1.5 gm over 1.5 hrs)	Irritant, no treatment necessary.
<b>Cardiovascular Agents</b>				
Calcium chloride (emergency use)	10 mg/mL (1000 mg in 100 mL NS or D5)	50 mg/mL ( 5000 mg in 50 mL NS or D5)	Over 30 – 60 minutes	Hyaluronidase, Warm Applic. Proc.
Calcium gluconate (preferred)	0.1 g/mL (25 gm in 250 mL NS or D5)	same	Over 15 – 30 minutes	Hyaluronidase, Warm Applic. Proc.
Potassium chloride	0.2 mEq/mL (10 mEq in 50 mL NS or D5)	0.4 mEq/mL (20 mEq/50 mL NS or D5)	<b>PL</b> – 20 mEq/hr  <b>CL</b> – 40 mEq/hr (80 mEq/hr life threatening and on monitor)	Hyaluronidase, Warm Applic. Proc.

Last updated 4-3-2011.

Abbreviations: PL: Peripheral Line; CL: Central Line; PE – Phenytoin Equivalents

References: AHFS Drug Information, Lexi-Comp Online, Micromedex; Intravenous Push (IV PUSH) Medications, Adult (PAT030). Version 4.0; Standard Concentrations for Intravenous (IV) Infusions, Adult (PAT031). Version 4.0; Vesicant Administration: Monitoring and Management of Infiltration and Extravasation (MDU003). Version 1.3.

