

## 1168 succinylcholine

### PHARMACOKINETICS

Protein binding 99%, half-life 4.5-15 hr, peak 2-3 hr

### INTERACTIONS

None known

### NURSING CONSIDERATIONS

#### Assess:

- Monitor weight for increase or decrease; nausea, vomiting, anorexia; closely monitor growth rate, weight in pediatric patients

- **Depression, suicidal ideation:** assess for depression, suicidal thoughts and behaviors any time during treatment; monitor mental status (orientation, mood, behavior) often during treatment

- **Pregnancy/breastfeeding:** encourage pregnant patients to enroll in the North American Antiepileptic Drug (NAAED) Pregnancy Registry by calling 1-888-233-2334; no data on breastfeeding

- Monitor CBC baseline and periodically during treatment; significant neutropenia and thrombocytopenia may occur

#### Evaluate:

- Therapeutic response: lessening amount and duration of seizures with minimal sedation

#### Teach patient/family:

- To take only as prescribed, not to skip or double doses, to take at the same times of the day

- To notify all professional health care providers of products used, including OTC, Rx, herbals, and supplements; not to change products unless approved by prescriber

- To notify health care providers before surgery of product use

- **Depression, suicidal thoughts/behaviors:** that suicidal thoughts and behaviors that may increase with use of this product

- **Pregnancy/breastfeeding:** to inform health care provider if pregnancy is planned or suspected or if breastfeeding

- To avoid driving or hazardous activities until reaction is known; dizziness, drowsiness may occur; resume driving only with prescriber clearance

- That exams and blood work will be needed throughout treatment

- **To report excessive sedation, severe nausea/vomiting, depression, suicidal thoughts and behaviors**

### HIGH ALERT

### succinylcholine (Rx)

(suk-sin-ill-koe'teen)

Anectine, Quelicin

*Func. class.:* Neuromuscular blocker (depolarizing, ultra short)

**ACTION:** Inhibits transmission of nerve impulses by binding with cholinergic receptor sites, thus antagonizing action of acetylcholine; causes release of histamine

**USES:** Facilitation of endotracheal intubation, skeletal muscle relaxation during orthopedic manipulations

**CONTRAINDICATIONS:** Hypersensitivity, malignant hyperthermia, trauma

**Precautions:** Pregnancy, breastfeeding, geriatric or debilitated patients, cardiac disease, severe burns, fractures (fasciculations may increase damage), electrolyte imbalances, dehydration, neuromuscular/respiratory/cardiac/renal/hepatic disease, collagen diseases, glaucoma, eye surgery, hyperkalemia

**Black Box Warning:** Children <2 yr, myopathy, rhabdomyolysis

### DOSAGE AND ROUTES

- **Adult:** IV 0.3-1.1 mg/kg, max 150 mg, maintenance 0.04-0.07 mg/kg q5-10min as needed; **CONT IV INFUSION** dilute to concentration of 1-2 mg/mL in D<sub>5</sub>W or NS 10-100 mcg/kg/min

- **Child:** IV initially 1-2 mg/kg; **CONT IV INFUSION** not recommended

**Available forms:** Inj 20, 50, 100 mg/mL; powder for inj 100, 500 mg/vial, 1 g/vial