

### **Tadalafil**

**Name** — Cialis®, Adcirca®

**Class** — Pulmonary artery hypertension therapy, PDE—5 inhibitors; phosphodiesterase-5 enzyme inhibitor

**Pharmacologic Action** — Pulmonary arterial hypertension (PAH): inhibits PDE-5, increasing cyclic guanosine monophosphate (cGMP) to allow relaxation of pulmonary vascular smooth-muscle cells and vasodilation of pulmonary vasculature

**Indications** — As an adjunct to descent in the management of high-altitude pulmonary edema (HAPE)

**Contraindications** — Concomitant use of any form of organic nitrates (e.g., nitroglycerin, isosorbide dinitrate, isosorbide mononitrate, illicit "poppers"), either regularly or intermittently; may potentiate hypotensive effect of nitrates. Hypersensitivity, including Stevens-Johnson syndrome and exfoliative dermatitis

**WARNING:** Hypotension may occur due to vasodilation

### **Ziprasidone**

**Name** — Geodon®

**Class** — Second generation antipsychotic

**Pharmacologic Action** — Acts as antagonist at dopamine-2 and serotonin type 1 and 2 (5HT1D, 5HT2A) receptors; acts as agonist at serotonin 5HT1A receptor; moderately inhibits reuptake of norepinephrine and serotonin; has alpha-blocking and antihistaminic activity

**Indications** — For the management of agitated or violent patients suffering a behavioral emergency

**Contraindications** — Documented hypersensitivity, any drugs or conditions that prolong QT interval, recent acute myocardial infarction, uncompensated heart failure