

## Anesthetic Reversal Agents

**Caution: consult a veterinarian when developing a plan for reversing anesthetic drugs.**

➤ Atipamezole

- Used to reverse alpha-2 agonists, but designed to reverse dexdomitor.
- Given by the same route and at ten times the mg/kg dosage of dexdomitor
- e.g.: 1mg dexdomitor IP is reversed with 10 mg atipamezole IP

➤ Yohimbine:

- Used to reverse the effects of alpha-2 agonists
- Dosage 2.1 mg/kg IP in mice and rats.

➤ Special note about butorphanol:

- This drug can reverse the major analgesic effects of opioids such as morphine and buprenorphine as these drugs derive their major effects from being mu receptor *agonists*. Butorphanol is a mu receptor *antagonist* and provides mild analgesia by acting as a kappa receptor agonist.