

ANTI-INFLAMMATORY SECOND-GENERATION NSAIDS COX-2 INHIBITORS

• -COXIB

- Non-steroidal Anti-inflammatory drugs that are designed to reduce pain and inflammation while minimizing gastrointestinal side effect.
- Higher cardiovascular risk

MECHANISM OF ACTION:

- Block COX-2 enzyme
- ↓ Prostaglandins → ↓ Pain, inflammation
- Less gastric damage

ANTIDOTE:

- Activated Charcoal
↳ within 1/2hrs

DRUG NAME:

- Celecoxib (PO)
- Etoricoxib (PO)
- Parecoxib (IV, IM)
- Valdecoxib (PO)

THERAPEUTIC USES

- Analgesia; Pain
- Antiinflammatory; Inflammation
- Preferred for patient with GI bleeding

SIDE/ADVERSE EFFECTS:

- HTN
- Fluid retention → Edema
- Headache, Dizziness
- Rash

CONTRAINDICATION:

- Severe renal impairment
- IHD
- Stroke Hx
- Severe HF
- Sulfonamide allergy
- 3rd trimester of pregnancy
- Post-CABG surgery

NURSING CONSIDERATION:

- Monitor for side/Adverse effect.
- Administer together with GI protector (if ordered)
- Daily weight → weight gain
- Record I/O chart
- Avoid administering with:
 - Other NSAIDs or
 - Anticoagulant

PATIENT EDUCATION:

- Take as prescribed, Do not overdose
- Medication compliance
- Avoid smoking
- Do NOT take on empty stomach