

Student Version: SKELETAL MUSCLE RELAXANTS

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Skeletal Muscle Relaxants

See the following website:

<http://www.rxlist.com/script/main/art.asp?articlekey=77812>

• INDICATIONS

- Spinal cord diseases or lesions:
 - Kemstro®/Lioresal® (baclofen)
 - Dantrium® (dantrolene)
- Adjunctive therapy in symptomatic relief of acute painful musculoskeletal conditions:
 - Flexeril® (cyclobenzaprine)
 - SOMA® (carisoprodol)
 - Valium® (diazepam)
 - Robaxin® (methocarbamol)

Skeletal Muscle Relaxants

• ACTION

- Dantrium® acts directly on skeletal muscle by decreasing calcium release from muscle cells.
- Kemstro®/Lioresal® (baclofen), Flexeril® (cyclobenzaprine), Soma® (carisoprodol), Valium® (diazepam) and Robaxin® (methocarbamol) act centrally.

• CONTRAINDICATIONS

- Kemstro® (baclofen) and Dantrium® (dantrolene) should **not** be used in patients whose spasticity is used to maintain posture and balance.
- Hepatic disease

Skeletal Muscle Relaxants

• INTERACTIONS

- Additive CNS depression with other CNS depressants including:
 - Alcohol
 - Antihistamines
 - Antidepressants
 - Opioid analgesics
 - Sedatives/Hypnotics

Flexeril® (cyclobenzaprine)

• INDICATIONS

- Acute pain associated with muscle spasms
- Unlabeled Use:
 - Management of fibromyalgia

• ACTION

- Decrease somatic muscle activity at the level of the brainstem.
- Therapeutic Effects
 - Reduction of muscle spasms and hyperactivity without loss of function

Flexeril® (cyclobenzaprine)

• CONTRAINDICATIONS

- Hypersensitivity
- Not within 14 days of MAOI therapy
- Immediately after MI (myocardial infarction)
- Severe symptomatic heart disease
- Cardiac conduction disturbances
- Hyperthyroidism

• USE CAUTION IN:

- Cardiovascular disease
- Geriatric patients

Flexeril® (cyclobenzaprine)

• ADVERSE REACTIONS/SIDE EFFECTS

- CNS
 - Dizziness
 - Drowsiness
 - Confusion
 - Fatigue
 - H/A (headaches)
 - Nervousness
- EENT
 - Xerostomia
 - Blurred vision

Flexeril® (cyclobenzaprine)

• ADVERSE REACTIONS/SIDE EFFECTS

- CV (cardiovascular)
 - Arrhythmias
- GI (gastrointestinal)
 - Constipation
 - Dyspepsia
 - Nausea
 - Unpleasant taste
- GU (genitourinary)
 - Urinary retention

Flexeril® (cyclobenzaprine)

• INTERACTIONS

- Additive CNS depression with other CNS depressants including:
 - Alcohol
 - Antihistamines
 - Antidepressants
 - Atropine
 - Opioid analgesics
 - Sedatives/Hypnotics
- Drug-Natural Products
 - Examples: kava kava, valerian, chamomile, hops

Student Assignment

- Use the following website to complete a drug profile regarding SOMA® (carisoprodol).

<http://www.rxlist.com/soma-drug.htm>