

Skeletal muscle Relaxant " Neuromuscular Blockers "

Tubocurarine produces small amount of ganglionic blockade

Centrally Acting (spasmolytic drugs)

Diazepam

- Act through GABA_A receptors

Baclofen

(GABA_B) receptors

Dantrolene

- Act directly by interfering release of calcium from sarcoplasmic reticulum

- Reduce muscle spasm in :
 - Spinal cord Injury .
 - Stroke .
 - Cerebral palsy .

Peripherally Acting

Non depolarizing agents

Vecuronium

- No histamine release .
- No ganglionic block .
- No antimuscarinic action

Mivacurium

- Metabolized by Pseudocholine . MCQ

Pancuronium

- Tachycardia MCQ
- Antimuscarinic action

Tubocurarin

- Histamine release :
✓ Bronchospasm .
✓ Hypotension .

Atracurium

- Eliminated by non enzymatic degradation in plasma . MCQ

Succinylecholin

Depolarizing agents

- Increase the safety of general anesthetics .
- Unwanted effect :
 - Bradycardia .
 - Hyperkalemia .
 - Hypotension .
 - Hyperthermia when used with halothin .

Treated by administration of DANTROLENE with rapid cooling .

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