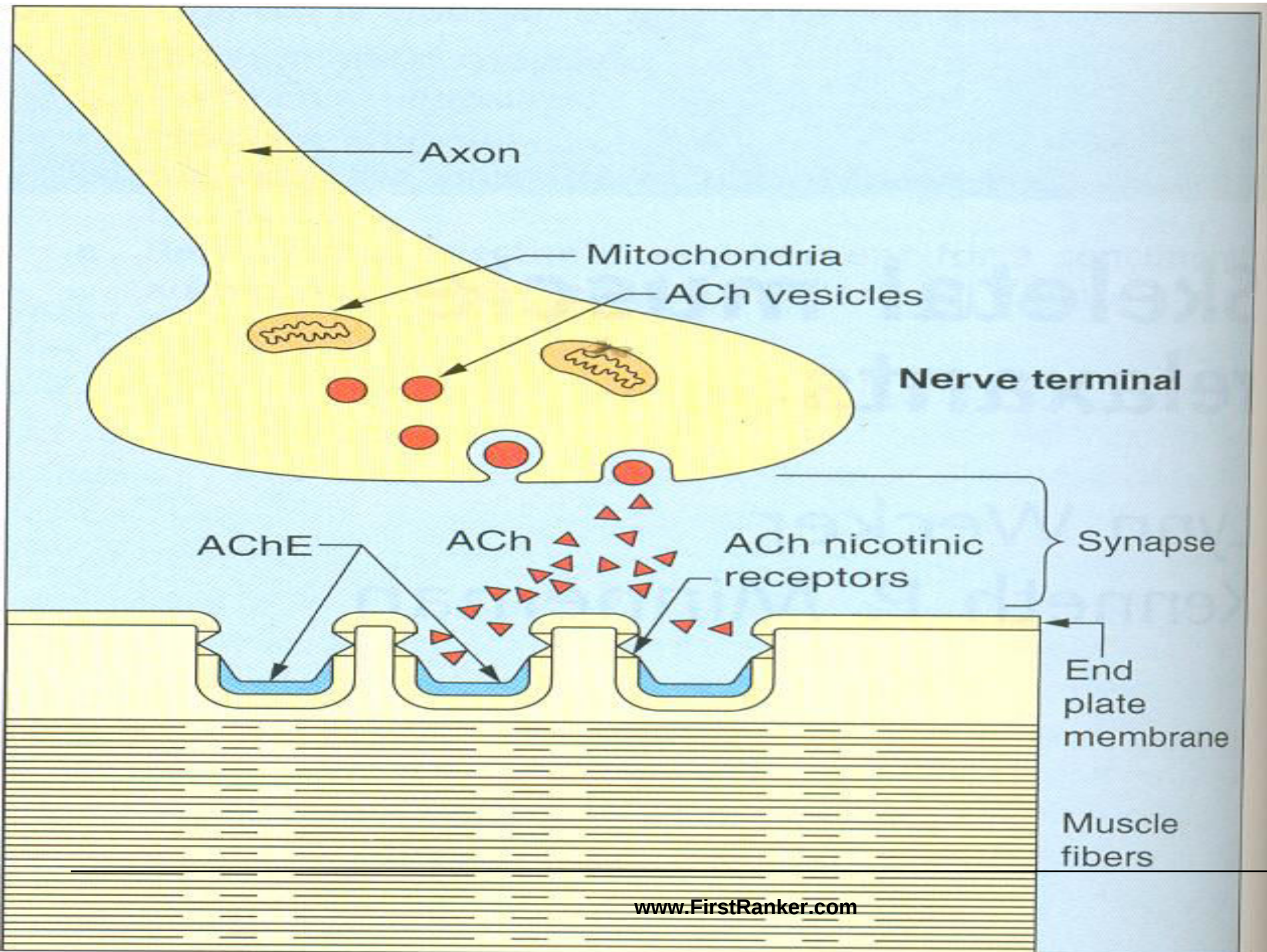


SKELETAL MUSCLE **RELAXANTS**



PERIPHERALLY ACTING

Non Depolarizing Neuromuscular Blockers

Isoquinoline Derivatives

d-Tubocurarine	Kidney 40%	> 35
Atracurium	Spontaneous	20-35
Cisatracurium	Mostly spontaneous	25- 44
Doxacurium	Kidney	> 35
Mivacurium	Plasma ChE ²	10-20
Metocurium	Kidney 40%	>35

Misc

Gallamine

Steroid Derivatives

Pancuronium Kidney 80% >35

Pipecuronium Kidney 60% >35

Rocuronium Liver 90% 20 – 35

Vecuronium Liver 90% 20 – 35

Depolarizing Neuromuscular Blockers

Suxamethonium

Suxethonium

Decamethonium

CENTRALLY ACTING

Benzodiazepines

Diazepam, clonazepam, Nitrazepam

GABA Analogues

Baclofen

Progabide

Propanediol Derivatives

Mephenesin

Meproamate

Misc Compounds

Cyclobenzaprine

Methocarbamol

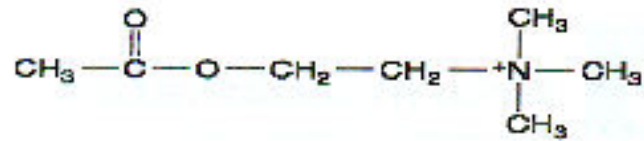
Orphenadrine

Chlomezanone

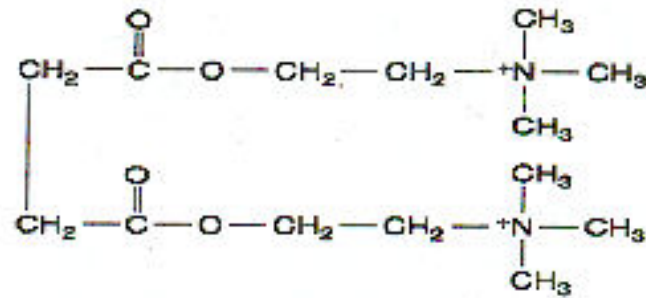
Tizanidine

DIRECTLY ACTING

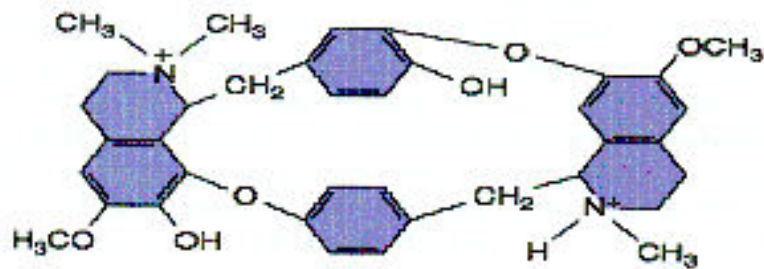
Dantrolene



Acetylcholine



Succinylcholine



NON DEPOLARIZING SKELETAL MUSCLE RELAXANTS

CHEMISTRY

PHARMACOKINETICS

MECHANISM OF ACTION

THERAPEUTIC USES

- 1) ENDOTRACHEAL INTUBATION – ROCURONIUM**
- 2) SURGICAL RELAXATION – BALANCED ANESTHESIA**
- 3) CONTROL OF VENTILATION**
- 4) CONVULSIONS – RARE**

SIDE – EFFECTS

- 1) BROCHOSPASM**
- 2) URTICARIA**
- 3) HYPOTENSION**

DEPOLARIZING NMJ BLOCKERS

CHEMISTRY

PHARMACOKINETICS

MECHANISM OF ACTION

PHASE – I BLOCK

PHASE – II BLOCK

PHARMACOLOGICAL ACTIONS

SKELETAL MUSCLES

CVS

SIDE – EFFECTS

- 1) HYPERKALEMIA**
- 2) RAISED INTRA – OCCULAR AND INTRA – GASTRIC PRESSURES**
- 3) MUSCLE PAIN**
- 4) MALIGNANT HYPERTHERMIA**
- 5) PROLONGED APNOEA**

THERAPEUTIC USES

- 1) ENDOTRACHEAL INTUBATION**

CENTALLY ACTING SKELETAL MUSCLE RELAXANTS

**DIAZEPAM
BACLOFEN
TIZANIDINE**

DIRECTLY ACTING SKELETAL MUSCLE RELAXANT

DANTROLENE