

pharmacotherapy of MI

- ① General measures
- ② Pain relief & anxiolytic effect therapy.
- ③ Reperfusion therapy
- ④ prevention of thrombus extension & emboli
- ⑤ management of complications.

General measures.

1. Oxygen : 2-4 L/min for 6-12 hours.
2. Aspirin : 160-325 mg chewable tablets.
followed by 150 mg once daily.
3. Clopidogrel : 300 mg followed by 75 mg OD.
4. Bed rest
5. ECG monitoring.
6. maintain Blood volume, tissue perfusion and microcirculation.
7. Correction of acidosis.

PAIN RELIEF AND ANXIOLYTIC EFFECT.

- ① Morphine Sulphate : 2-4 mg IV every 5-30 minutes
- ② Nitroglycerine : 0.4 mg every 5 minutes sublingual - maximum 3 doses
- ③ β -blocker : 5 mg every 2-5 minutes - total 3 doses.
metoprolol.

REPERFUSION THERAPY

- ① per cutaneous intervention
- ② Fibrinolytics - Streptokinase
Alteplase
Tenecteplase.

Golden time - in 1 hours
Best results upto 3 hours.
maximal time - 12 hours

PREVENTION OF EXTENSION OF THROMBUS & EMBOLI

- ① Antiplatelet drug. \rightarrow Aspirin : 100-325 mg (chewable tablet)
~~every 8-30 minutes.~~
- ② Anti thrombotics - Heparin, LMW heparin.
Clopidogrel : 300mg (75mg daily)

MANAGEMENT OF COMPLICATIONS

- ① Arrhythmias : ventriculars \rightarrow lignocaine.

premature ventri \rightarrow β blockers
beats

abuse fibrillation - electric cardioversion

sinus bradycardia - atropine,
pacemaker.

- ② Hypovolemia - Volume expansion.

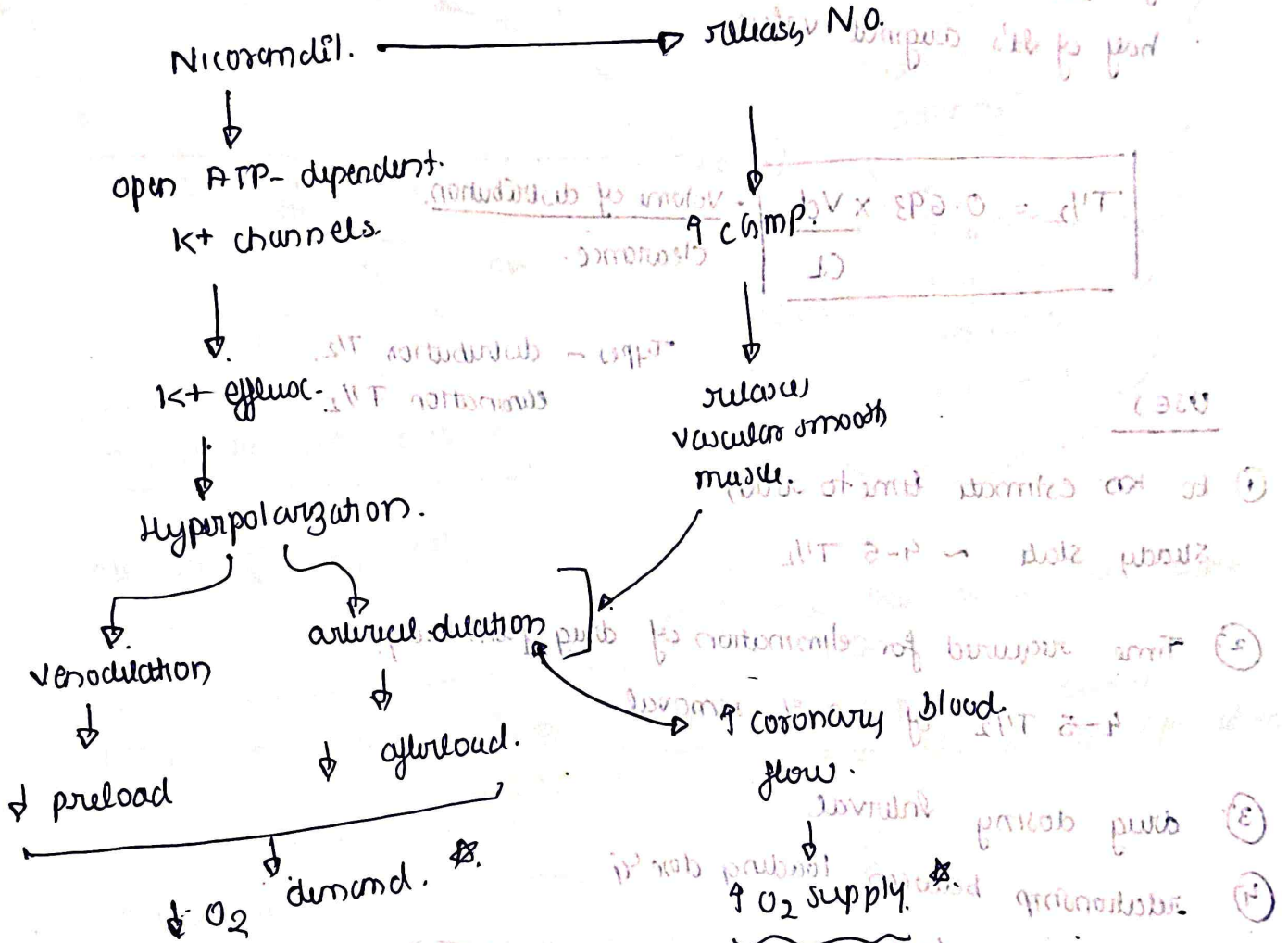
- ③ Heart failure.

NICORANDIL.

- potassium channel opener
with nitrate like activity.

- oral admin.

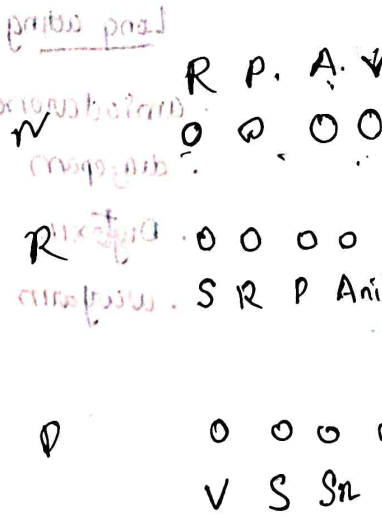
DUAL MECHANISM.



ADVERSE

ADR

- Headache
- flushing
- reflex tachycardia.



INDICATIONS

