

PHOSPHODIESTERASE INHIBITORS

Block enzyme phosphodiesterase

Increase calcium for myocardial contraction

Cause positive inotropic response and vasodilation

Increase contractility and decrease afterload

Short-term therapy only

PROTOTYPE DRUG

milrinone (Primacor)

MECHANISM OF ACTION

To block enzyme phosphodiesterase in cardiac & smooth muscle, increasing myocardial contraction force and cardiac output

PRIMARY USE

as a short-term therapy of advanced HF

ADVERSE EFFECTS

Hypokalemia

Hypotension

Ventricular dysrhythmias

NURSE'S ROLE

ASSESS:

- potassium levels

- for renal impairment

- for dysrhythmias

Monitor for hypotension

IV: Monitor for ventricular dysrhythmias

PATIENT TEACHING:

Report irregular or rapid heart rate

Report fever of 101 F or higher

Report increase in chest pain

If given Report fever of 101 F or higher or pain/swelling at infusion site.

IV:



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