

PROTOTYPE DRUG

lisinopril (Prinivil, Zestril)

NURSE'S ROLE

Monitor CBC

Assess for hypotension

MONITOR FOR:

Impaired kidney function

hyperkalemia

autoimmune disease

PATIENT TEACHING:

Blocks breakdown of bradykinin, thus increased levels of can cause DRY COUGH

Therapeutic response time: Weeks or months

Sodium & potassium restrictions

Don't use with other medications; OTCs, herbs, vitamins

ACE Inhibitors "-olol"

ACE INHIBITORS are the drug of choice for HF	Reduce afterload	Increase cardiac output-	Reduce cardiac output
	Enhance excretion of NA+ and water	-Lower peripheral resistance and	
	reduce blood volume		

PRIMARY USE

Decrease BP & reduce blood volume

Dilates veins

ADVERSE EFFECTS

First-dose hypotension

Cough

Hyperkalemia

Renal Failure

MECHANISM OF ACTION

Blocks conversion of Angiotensin I to Angiotensin II by inhibiting angiotensin-converting enzyme (ACE) in the lungs

Remember Angiotensin II is responsible for constricting arteries and veins by binding to Angiotensin I receptors, thus blocking will lead to dilation of the veins and arteries;

improves blood flow and decreases blood volume

Reduces preload and afterload

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