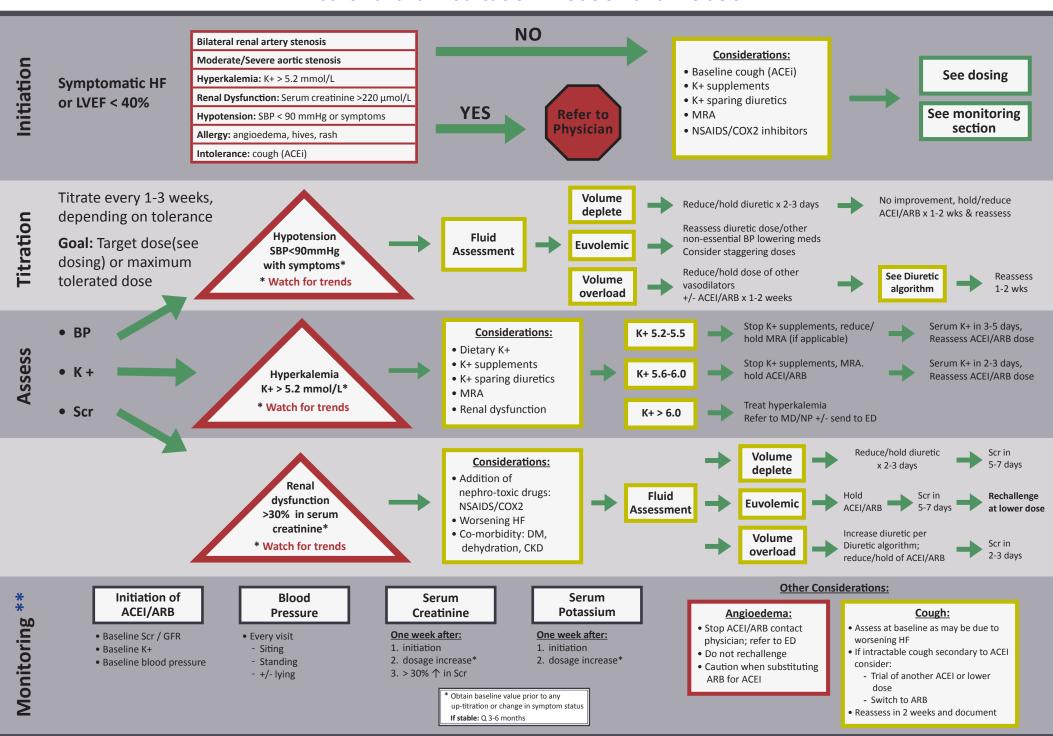
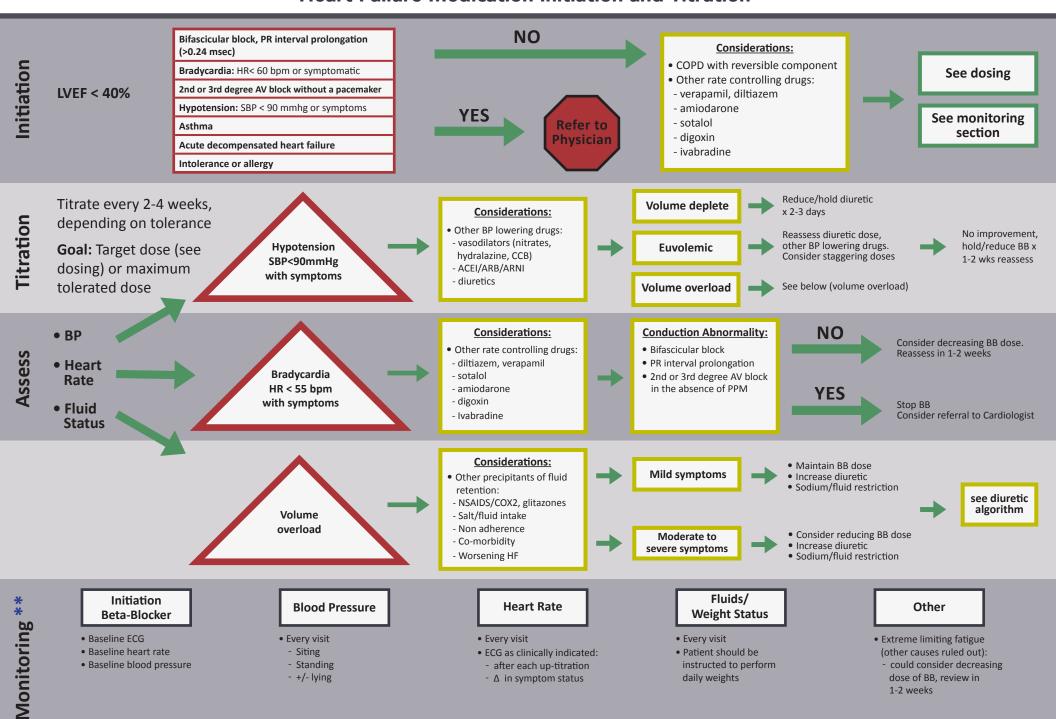
Angiotensin Converting Enzyme Inhibitors (ACEI) / Angiotensin Receptor Blockers (ARBS)* Heart Failure Medication Initiation and Titration



^{*} This algorithm is intended for single agent (ACEI or ARB)

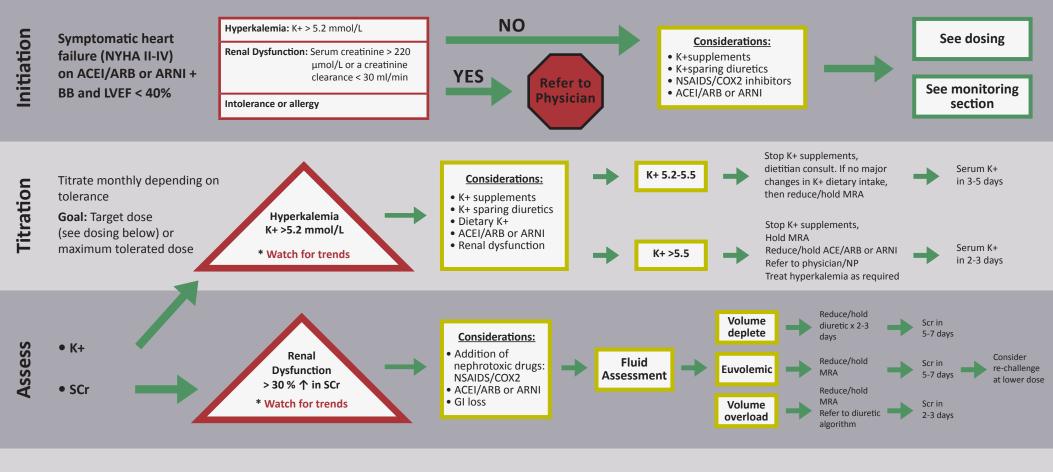
^{**} This is a guide to monitoring; increase monitoring may be required given patient's status and co-morbidities (ie. renal insufficiency)

Beta - Blockers Heart Failure Medication Initiation and Titration



^{*}verapamil and diltiazem are contraindicated in systolic heart failure (EF < 40%)

Mineralocorticoid Receptor Antagonists (MRA) Heart Failure Medication Initiation and Titration



Initiation of MRA

- Baseline Scr / GFR
- Baseline K+

Monitoring



- After initiation: 3 days, 1 week, 4 weeks, then monthly x 3
- Prior to up-titration of MRA
- 1 week post up-titration of MRA
- With dehydration, illness, change in symptom status or change in other medications affecting potassium/serum creatinine

Other

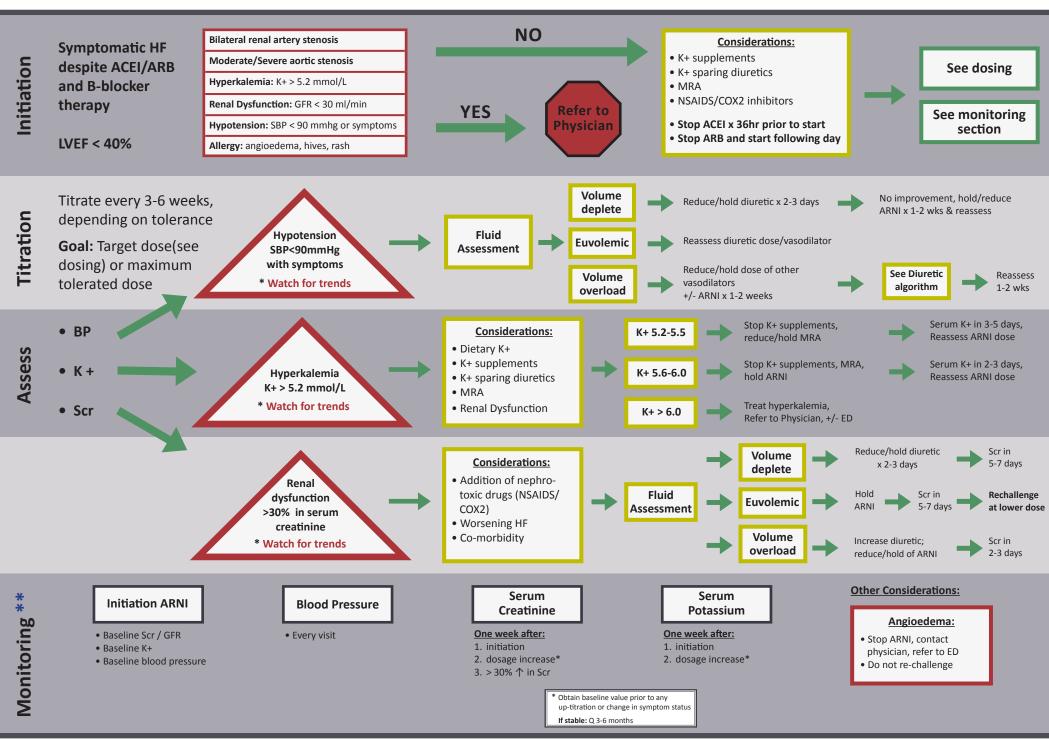
Dosing:

The usual dose is 25 mg daily, however, those with poor renal function and/or a history of hyperkalemia should be initiated on 12.5 mg daily and titrated as tolerated. Some patients may have their dose increased to 50mg with close monitoring.

Other considerations:

Gynecomastia (4-5% of males) with spironolactone. Consider switching to Eplerenone.

ARNI (Angiotensin Receptor blocker / Neprilysin Inhibitors [Sacubutril/Valsartan]) Heart Failure Medication Initiation and Titration

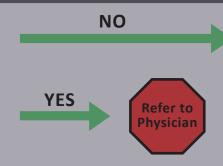


LVEF < 40% + HF symptoms

HR ≥ 70 bpm on maximally tolerate BB

Normal sinus rhythm

2°or 3° AV block, SSS, SA block
Pacemaker dependence
Atrial arrhythmia
Ventricular arrhythmia
Prolonged QT
Intolerance or allergy



Considerations:

Other rate controlling drugs:

- CCB*: verapamil, diltiazem beta-blockers
- amiodarone
- digoxin
- sotalol

Caution:

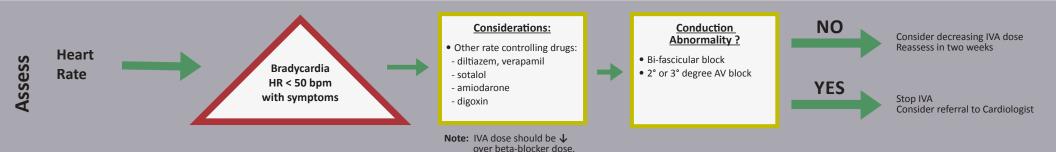
- in combo with QT prolonging drugs
- 1°AV block
- Drug interactions: 3A4 substrate

See dosing

See monitoring section

Titrate every 2-4 weeks, depending on tolerance

Goal: Heart rate 50 - 60bpm



Initiation of IVA

- Baseline ECG
- Baseline heart rate

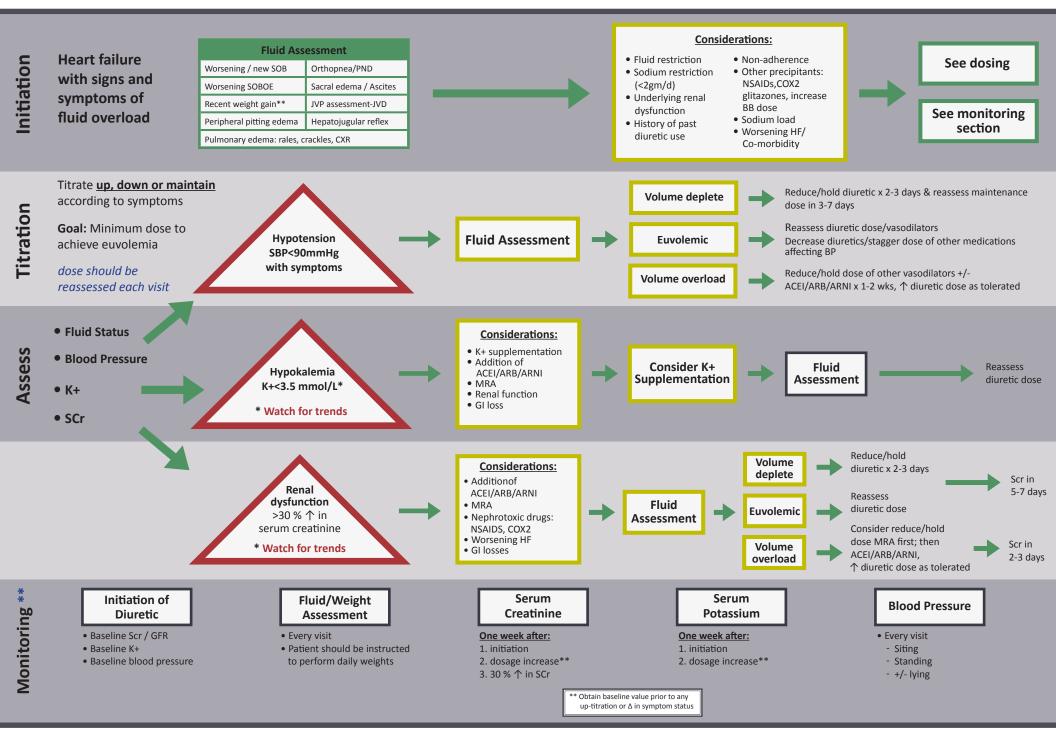
Heart Rate

- Every visit
- ECG as clinically indicated:
- after each up-titration
- ∆ in symptom status

Other

- Transient visual changes
- May ↑ risk of atrial fibrillation

Diuretics Heart Failure Medication Initiation and Titration



^{**} Weight gain: 2-3 lbs in 1-2 days or 5 lbs in 1 week