SCA PREVENTION PATHWAYS AND TOOLS

SCA PREVENTION

Sudden Cardiac Arrest (SCA) Prevention **Pathways and Tools Objectives**

- Facilitate optimal care for post-MI and HF patients at risk for SCA
- Educate healthcare providers and patients about SCA and treatment options and increase awareness and patient access to diagnostics and lifesaving therapies
- Promote evidence-based, guideline-recommended medical and device therapy and increase guideline awareness and adoption among healthcare providers
- Assist hospitals and practices in closing treatment gaps by providing practical information, disease management, and communication tools to identify and treat patients at risk for SCA

SCA Prevention Medical Advisory Team:

Gregg Fonarow, MD Nancy Albert, PhD, RN David Cannom, MD William Lewis, MD Julie Shea, MS, RNCS Mary Norine Walsh, MD

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Beta Blocker Inpatient/Outpatient Treatment Algorithm

Patients with heart failure and systolic dysfunction Asymptomatic, mild, moderate, or severe symptoms

Patient exclusion criteria:

- · Cardiogenic shock
- · Unstable or decompensated heart failure
- Symptomatic hypotension
 Symptomatic bradycardia without a pacemaker
- Heart block > 1st degree without a pacemaker
- · Severe reactive airway disease

	Guideline Recommended Beta Blockers for HF ³					
	Carvedilol	Sustained-release metoprolol succinate	Bisoprolol			
Initial dose	3.125 mg bid	12.5-25 mg qd	1.25 mg qd			
Titration steps⁵	6.25 mg bid 12.5 mg bid	50 mg qd 100 mg qd 150 mg qd	2.5 mg qd 5 mg qd			
Target dose ⁶	25 mg bid ⁷	200 mg qd	10 mg qd			

If volume overload develops, continue BB unless4:

- Cardiogenic shock
- Systemic hypotension
- Narrow pulse pressure
- Cold, clammy skin
- Rising BUN/serum Cr



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Cardiac Resynchronization Therapy (CRT) Inpatient Algorithm

Patient on chronic optimal medical therapy prior to hospitalization

LVEF 35%



Note:



Anticoagulation Therapy in Atrial Fibrillation Outpatient Algorithm

Patients with left ventricular systolic dysfunction and permanent, persistent, or paroxysmal AF*

Patients with prosthetic heart valves

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Management of Volume Overload Outpatient Algorithm



- With recent adjustment of diuretic dose, electrolytes, BUN, and serum Cr should be
- monitored more frequently (e.g., at least weekly or more frequently if indicated)
- If worsening renal function occurs, the patient should be re-evaluated

Diuretic Maintenance Dosing						
Weight returned to baselilcd in oau(i)F31sTc 01	Гw	[(f141.1-5.9(f)3(3)-to).5(e95(e)31(turn)	1inc0.5(e)28.)			
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Cardiac Resynchronization Therapy (CRT) Outpatient Algorithm

Patient on chronic optimal medical therapy



Device Therapy Algorithm





Inpatient to Outpatient Transition Algorithm for Medical and Device Therapy



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Guideline Recommendations for Heart Failure Device Therapy