

PHARMACOLOGIC TREATMENT SUMMARY FOR SYSTOLIC HEART FAILURE – OUTPATIENT 8.21.09

MEDICATION	Evidence-Based Medication Recommendations (studied drugs) Generic//Brands	EVIDENCE
ACE Inhibitors (Angiotensin Converting Enzyme)	Benazepril//Lotensin Captopril//Capoten Enalapril//Vasotec Fosinopril//Monopril Lisinopril//Prinivil, Zestril Moexipril//Univasc Perindopril//Aceon Quinapril//Accupril Ramipril//Altace Trandolapril//Mavik	Morbidity and Mortality Improvement. <ul style="list-style-type: none"> • Monitor Potassium and Creatinine • Monitor for Cough and Angioedema <p><i>CONSENSUS Trial Study Group, NEJM, 1987.</i> <i>SOLVD Investigators, NEJM, 1991</i></p>
Angiotensin Receptor Blockers	Candesartan//Atacand Irbesartan//Avapro Lorsartan//Cozaar Valsartan//Diovan	Morbidity and Mortality Improvement. <ul style="list-style-type: none"> • Monitor Potassium and Creatinine <p><i>CHARM Alternative Trial, Lancet, 2003.</i></p>
Beta Blockers	Bisoprolol//Zebeta Carvedilol//Coreg CR, Coreg Metoprolol SR//Lopressor, Toprol-XL	Morbidity and Mortality Improvement. <ul style="list-style-type: none"> • Do NOT start during acute exacerbation • Monitor in COPD/Asthma and Heart Block patients <p><i>Metoprolol in Dilated Cardiomyopathy Trial, Lancet, 1993.</i></p>
Diuretics	Furosemide//Lasix Torsemide//Demadex Bumetanide//Bumex Metolazone//Zaroxolyn Hydrochlorothiazide//Microzide	Symptom Improvement. Initiate in Fluid Overload <ul style="list-style-type: none"> • Monitor Potassium, Creatinine and Blood Pressure <p><i>Captopril alone against Furosemide plus amiloride, Lancet, 1987.</i></p>
Digoxin	Digoxin//Lanoxicaps, Lanoxin	Symptoms Improvement. Hospitalization Rate Decrease. Consider in Atrial Fibrillation. <ul style="list-style-type: none"> • Serum Digoxin Goal <1.0ng/mL <p><i>The effect of digoxin on mortality and morbidity, Digitalis Investigation Group, NEJM, 1997.</i></p>
Aldosterone Receptor Antagonists	Spirolactone//Aldactone Eplerenone//Inspra	Morbidity and Mortality Improvement. Consider in patients with persistent symptoms despite above therapy. <ul style="list-style-type: none"> • Monitor Potassium and Creatinine <p><i>RALES Study, NEJM, 1999.</i></p>
Nitrate + Hydralazine	Hydralazine//Apresolin Isosorbide dinitrate//Isordil, Dilatrate-SR, Isochron Isosorbide mononitrate SR//Imdur, Ismo, Monoket Nitroglycerine Patch//many brand names	Consider in patients with ACEi or ARB intolerance. <ul style="list-style-type: none"> • Monitor Headache or GI symptoms <p><i>V-HeFT VA Coop Group, Circulation, 1993.</i> <i>Effect of vasodilator therapy on mortality in chronic CHF: results of VA Coop Study, NEJM, 1986.</i></p>
Warfarin	Titrate dose to target INR	Consider in patients with Atrial Fibrillation or high risk of thromboembolism <ul style="list-style-type: none"> • Monitor Bleeding Risk
Aspirin		Consider in patients with Atherosclerosis <ul style="list-style-type: none"> • Monitor Signs of Bleeding
Amiodarone		Consider in patients with Arrhythmia