

Antihypertensio

ABCD's

	A	A	B	C	D
	ACEinh	ARB	(b-bl) beta-blocker	DH-CCB	Thiazide Diuretic
	"-pril"	"-sartan"	"-lol"	"-dipine"	
	peridopril	valsartan	bisoprolol	nifedipine	hydrochlorothiazide
	lisinopril	irbesartan	metoprolol	amlodipine	chlorthalidone
	ramipril	candesartan	atenolol	felodipine	indapamide
<b>MOA</b>	blocks conversion of AT1 to ATII = vasodilation of efferent renal arteriole	blockade of ATII at receptor = vasodilation of efferent renal arteriole	reduce sympathetic outflow, reduce heart rate	relax peripheral smooth muscle	reduction in systemic vascular resistance (not diuresis!)
<b>Efficacy</b>	1st line	1st line	1st line (< 65y.o.)	1st line	1st line
<b>Toxicity</b>	hypotension	hypotension	hypotension	hypotension	hypotension
	hyperK+	hyperK+	bradycardia	orthostatic hypotension	hypoK+
	ARF	ARF	bronchoconstriction in brittle asthmatics (esp high dose, esp non-cardio-selective)	edema	ARF
<b>Monitor</b>	BP, SCr, K+	BP, SCr, K+	BP, HR, RR	BP, OH, edema	BP, SCr, K+
<b>Cost</b>	cheap, generic, ODB	expensive, no generics, ODB	cheap, generic, ODB	expensive, generics, ODB	VERY cheap, generic, ODB
<b>Convenience</b>	qd-bid	qd	qd-bid	qd	qd
<b>Comorbidities</b>					
<b>HTN</b>					x (ALLHAT)
<b>MI</b>	x (HOPE)	x (VALIANT)	x (CAPRICORN, BHAT)		
<b>CHF</b>	x (CONSENSUS, SOLVD, ATLAS)	x	x (MERIT-HF, CIBIS II, COPERNICUS)		
<b>DM2</b>	x (HOPE)	x (IDNT, IRMA-2, RENAAL)			
<b>CVA</b>	x (HOPE, PROGRESS)	x (LIFE, SCOPE, MOSES)			x (ALLHAT, PROGRESS)
<b>PVD</b>	x (HOPE)	x			
<b>Afib</b>			x	Diltiazem	

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