

Angiotensin II Receptor Blocker Comparison

Various angiotensin receptor II blockers (ARBs) have been periodically shorted. The table below indicates dosing of ARBs based on outcome data. These are estimated equivalencies and patients will need to be monitored following the switch.

Doses of Angiotensin Receptor Blockers for Various Indications						
ARB	HYPERTENSION Approximate Equivalent Daily Dose ¹⁻³	HYPERTENSION Daily Dose Range ^{4,5}	HEART FAILURE Target Dose ^{6,7}	POST-MI Target Dose ^{8,9}	DIABETIC NEPHRO- PATHY Usual Dose ^{4,5}	CV RISK REDUCTION Usual Dose ^{4,5}
losartan	50 mg	25-100 mg	150 mg daily*		50-100 mg daily	
azilsartan	40 mg	20-80 mg				
candesartan	8-16 mg	4-32 mg	32 mg daily	32 mg daily*		
eprosartan	600 mg	400-800 mg				
irbesartan	150 mg	75-300 mg	No difference from placebo		300 mg daily	
valsartan	80 mg	80-320 mg	160 mg BID	160 mg BID		
olmesartan	20 mg	10-40 mg				
telmisartan	40 mg	40-80 mg				80 mg daily

*no official indication ARB= angiotensin II receptor blocker; CV = cardiovascular; MI= myocardial infarction

Prepared 12 Mar 2019
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References:

1. Clinical Resource, Comparison of Angiotensin Receptor Blockers (ARBs). Pharmacist's Letter/Prescriber's Letter. August 2018.
2. Angiotensin II receptor blockers. GlobalRPh. updated 25 Apr 2018; cited 12 Mar 2019. Available at http://www.globalrph.com/angiotensin_ii_receptor_blockers.htm
3. Vancouver Health Pharmaceutical Sciences. Comparison of angiotensin II receptor blockers (ARBs). [cited 12 Mar 2019]. Available at <http://www.vhpharmsci.com/vhformulary/Tools/AngiotensinII-Blocker-comparison.htm>
4. Regier L, Jensen B. ACE Inhibitor (ACEI)/Angiotensin II Receptor Blocker (ARB): Comparison Chart. RxFiles drug comparison charts. Saskatoon, SK: Saskatoon Health Region. [updated 01 Jan 2019; accessed 12 Mar 2019]. Available from: www.RxFiles.ca
5. RxTx [Internet]. Ottawa (ON): Canadian Pharmacists Association; 2018. CPS online: Angiotensin II Receptor Antagonists CPhA monograph; [updated 01 Oct 2014; cited 12 Mar 2019]. Available from: <https://www.e-therapeutics.ca/>
6. Ezekowitz J, O-Meara E, McDonald M, et al. 2017 Comprehensive update of the Canadian Cardiovascular Society guidelines for the management of heart failure. Can J Cardiol. 2017;33: 1342-1433.
7. Jin M, Jensen B, Regier L. Heart failure (HF): treatment overview. RxFiles drug comparison charts. Saskatoon, SK: Saskatoon Health Region. [updated 01 Feb 2019; accessed 12 Mar 2019]. Available from: www.RxFiles.ca
8. Jorgenson D, Jensen B, Regier L, et al. Post-myocardial infarction: drug and dosage considerations. RxFiles drug comparison charts. Saskatoon, SK: Saskatoon Health Region. [updated 01 Jul 2018; accessed 12 Mar 2019]. Available from: www.RxFiles.ca
9. RxTx [Internet]. Ottawa (ON): Canadian Pharmacists Association; 2019. So D. Post-myocardial infarction; [updated 01 Mar 2018; cited 12 Mar 2019]. Available from: <https://www.e-therapeutics.ca/>