Coronary artery disease

CHI Formulary Treatment algorithm
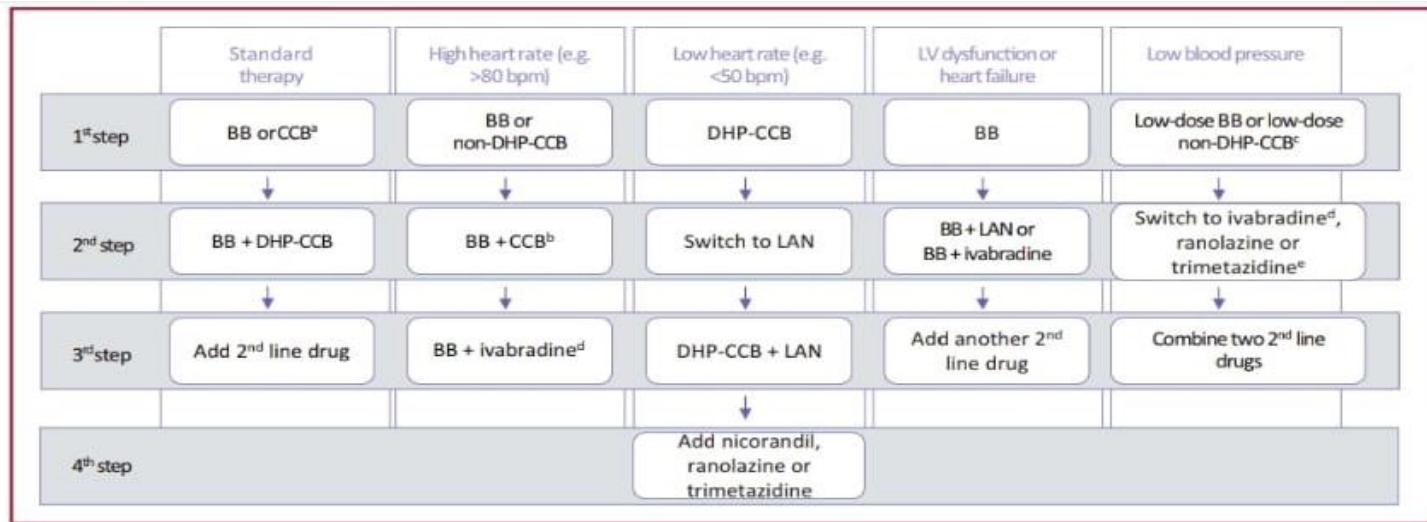
Treatment algorithm- July 2023

Supporting treatment algorithm for the clinical management of coronary artery disease

Figure 1 outlines a comprehensive treatment algorithm on the **management of coronary artery disease** aimed at addressing the different lines of treatment after thorough review of medical and economic evidence by CHI committees.

For further evidence, please refer to CHI **Coronary artery disease** full report. You can stay updated on the upcoming changes to our formulary by visiting our website at https://chi.gov.sa/AboutCCHI/CCHIprograms/Pages/IDF.aspx

Our treatment algorithm offers a robust framework for enhancing patient care and optimizing treatment outcomes across a range of treatment options, holding great promise for improving healthcare delivery.

	Standard therapy	High heart rate (e.g. >80 bpm)	Low heart rate (e.g. <50 bpm)	LV dysfunction or heart failure	Low blood pressure
1st step	BB or CCB[a]	BB or non-DHP-CCB	DHP-CCB	BB	Low-dose BB or low-dose non-DHP-CCB[c]
2nd step	BB + DHP-CCB	BB + CCB[b]	Switch to LAN	BB + LAN or BB + ivabradine	Switch to ivabradine[d], ranolazine or trimetazidine[e]
3rd step	Add 2nd line drug	BB + ivabradine[d]	DHP-CCB + LAN	Add another 2nd line drug	Combine two 2nd line drugs
4th step			Add nicorandil, ranolazine or trimetazidine		

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Figure 1: Management of coronary artery disease