

Condition	Requirement given condition	Correspondence in VHM
NSR=true && A-V block=false	No a_p and v_p should happen	a_p=false; v_p=false
Brady=true && A-V block=false	no a_s and v_p should happen	a_s=false; v_p=false
Brady=true && A-V block=true	no a_s and v_s should happen	a_s=false; v_s=false
SVT=true && State_PM=DDD	Mode switch to VDI should happen within 5s	PM_ModeSwitch=true within 5s && PM_NextState=VDI
SVT=false && State_PM=VDI	Mode switch to DDD should happen if the atrial rate is lower than 60bpm	if Interval between two Activation_SA is larger than 1000, PM_ModeSwitch=true && PM_NextState=DDD