

Cardiac Output: Autonomic Nervous System Control

Autonomic Branch	Sympathetic	Parasympathetic
Neurotransmitter	Nor-epinephrine	Acetylcholine
Receptor Type	Beta Type 1	Cholinergic
Na ⁺ /Ca ⁺⁺ Permeability	Increased	None
K ⁺ Permeability	None	Increased
Automaticity	Increased	Decreased
SA and AV Node Activity	Increased	Decreased
Heart Rate	Increased	Decreased
Contractility	Increased	Decreased
Stroke Volume	Increased	Decreased
Cardiac Output	Increased	Decreased