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Permanent His Bundle Pacing (HBP): Recommendations From A Multi-Center HBP Collaborative Working Group For Standardization Of Definitions, Implant Measurements And Follow-Up

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Criteria for His Bundle Pacing

Baseline	Normal QRS		His-Purkinje Conduction Disease	
			With correction	Without correction
Selective HBP	<ul style="list-style-type: none"> S-QRS = H-QRS with isoelectric interval Discrete local ventricular electrogram in HBP lead with S-V=H-V Paced QRS = native QRS Single capture threshold (His bundle) 		<ul style="list-style-type: none"> S-QRS \leq H-QRS with isoelectric interval Discrete local ventricular electrogram in HBP lead Paced QRS < native QRS 2 distinct capture thresholds (HBP with BBB correction, HBP without BBB correction) 	<ul style="list-style-type: none"> S-QRS \leq or > H-QRS with isoelectric interval Discrete local ventricular electrogram in HBP lead Paced QRS = native QRS Single capture threshold (HBP with BBB)
Non-selective HBP	<ul style="list-style-type: none"> S-QRS < H-QRS (usually 0, S-QRS_{end} = H-QRS_{end}) with or without isoelectric interval (Pseudodelta wave +/-) Direct capture of local ventricular electrogram in HBP lead by stimulus artifact (local myocardial capture) Paced QRS > native QRS with normalization of precordial and limb lead axes with respect to rapid dV/dt components of the QRS 2 distinct capture thresholds (His bundle capture, RV capture) 		<ul style="list-style-type: none"> S-QRS < H-QRS (usually 0, S-QRS_{end} < H-QRS_{end}) with or without isoelectric interval (Pseudodelta wave +/-) Direct capture of local ventricular electrogram in HBP lead by stimulus artifact Paced QRS \leq native QRS 3 distinct capture thresholds (HBP with BBB correction, HBP without BBB correction, RV capture) 	<ul style="list-style-type: none"> S-QRS < H-QRS (usually 0) with or without isoelectric interval (Pseudodelta wave +/-) Direct capture of local ventricular electrogram in HBP lead by stimulus artifact Paced QRS > native QRS (see text) 2 distinct capture thresholds (HBP with BBB, RV capture)

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