



Multiple therapeutic options.  
One CRT solution.

FEATURING THE WORLD'S GREATEST PROJECTED LONGEVITY.<sup>1</sup>

Platinum 4LV



Giving every patient  
a chance to become a responder.

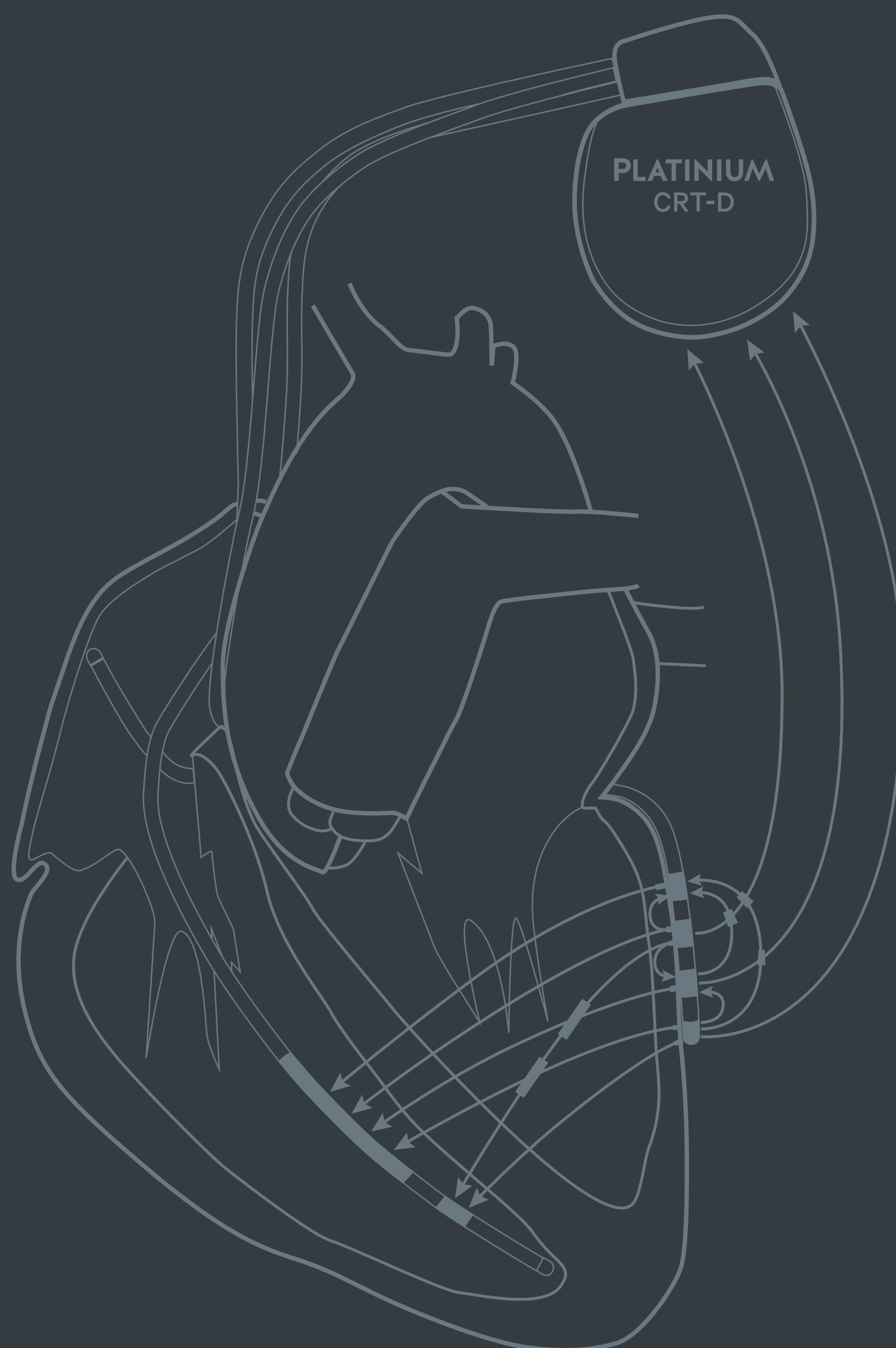
- ✓ MORE LV VECTORS FOR FLEXIBLE PACING
- ✓ SIMULTANEOUS MULTIPPOINT LV PACING (MP)
- ✓ BTO™ ACTIVE RESYNCHRONIZATION
- ✓ SONR™ CONTRACTILITY SENSOR-BASED CRT OPTIMIZATION



More LV vectors for flexible pacing.

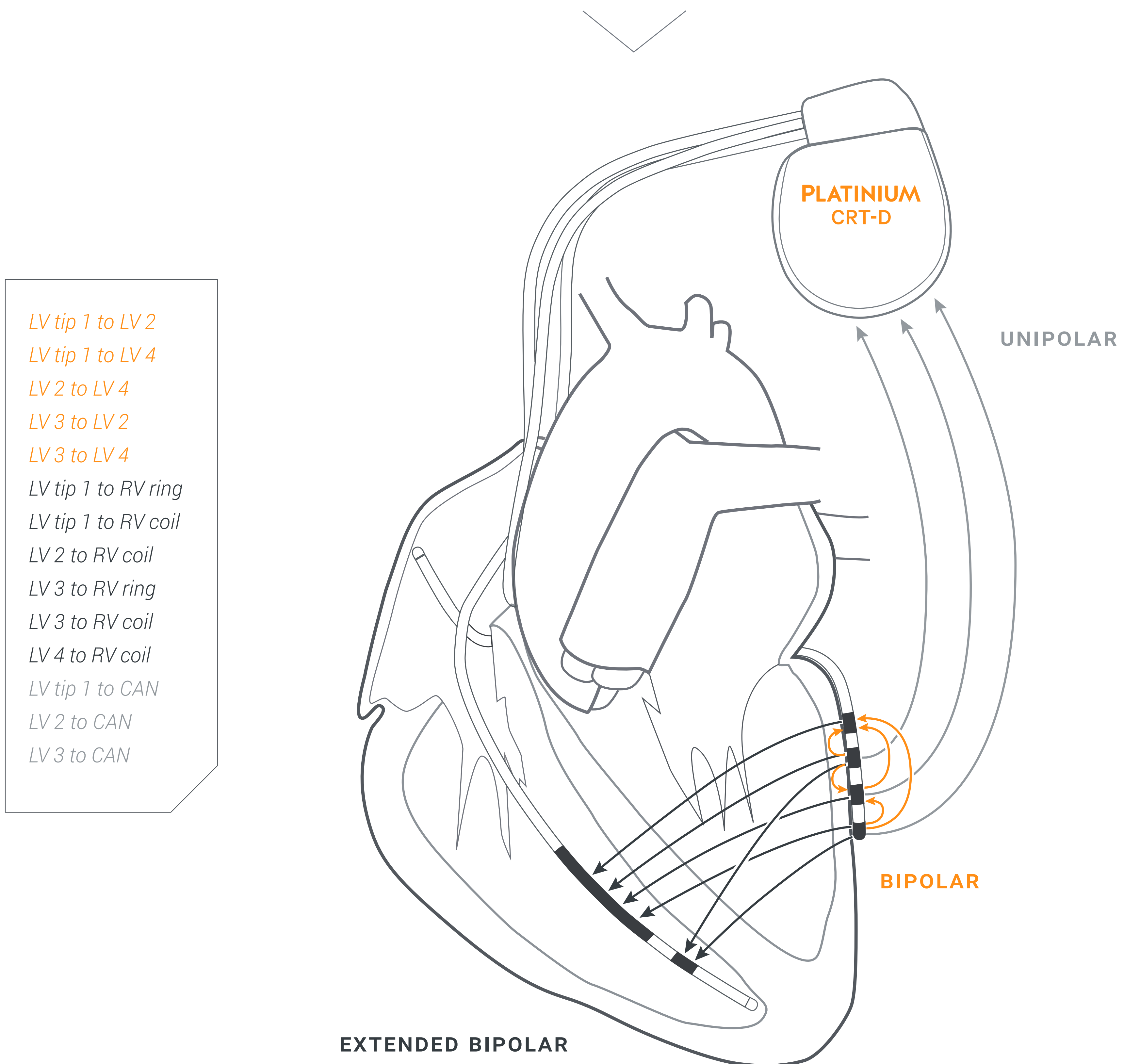
## MULTIPLE CHOICE AMONG 14 LV VECTORS.

- Reduced risk of phrenic nerve stimulation<sup>2</sup>
- Lower pacing threshold<sup>2</sup>



# More LV vectors for flexible pacing.

MULTIPLE CHOICE AMONG 14 LV VECTORS.



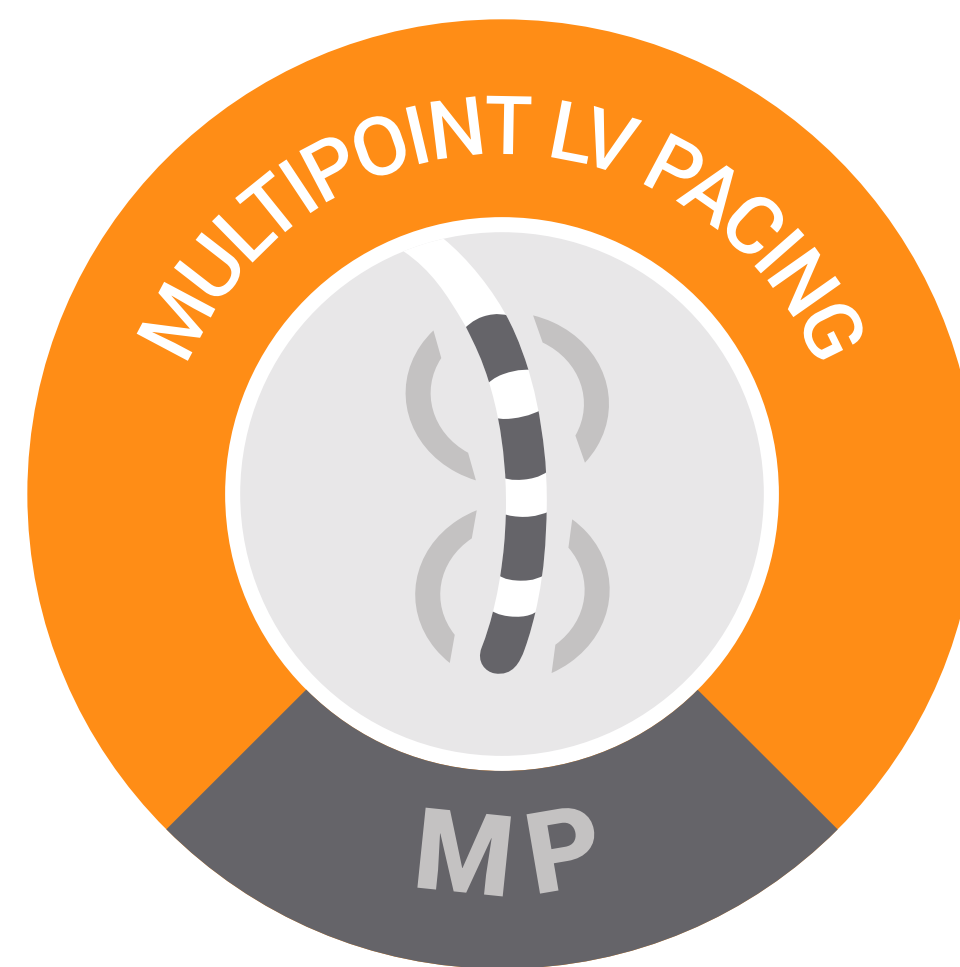
## DEDICATED LV TEST ASSISTANT FOR QUICK LV PACING SELECTION

- Automatic sequential testing
- Results on all vectors at a glance
- Previous test data included



# MP

Simultaneous Multipoint LV pacing.



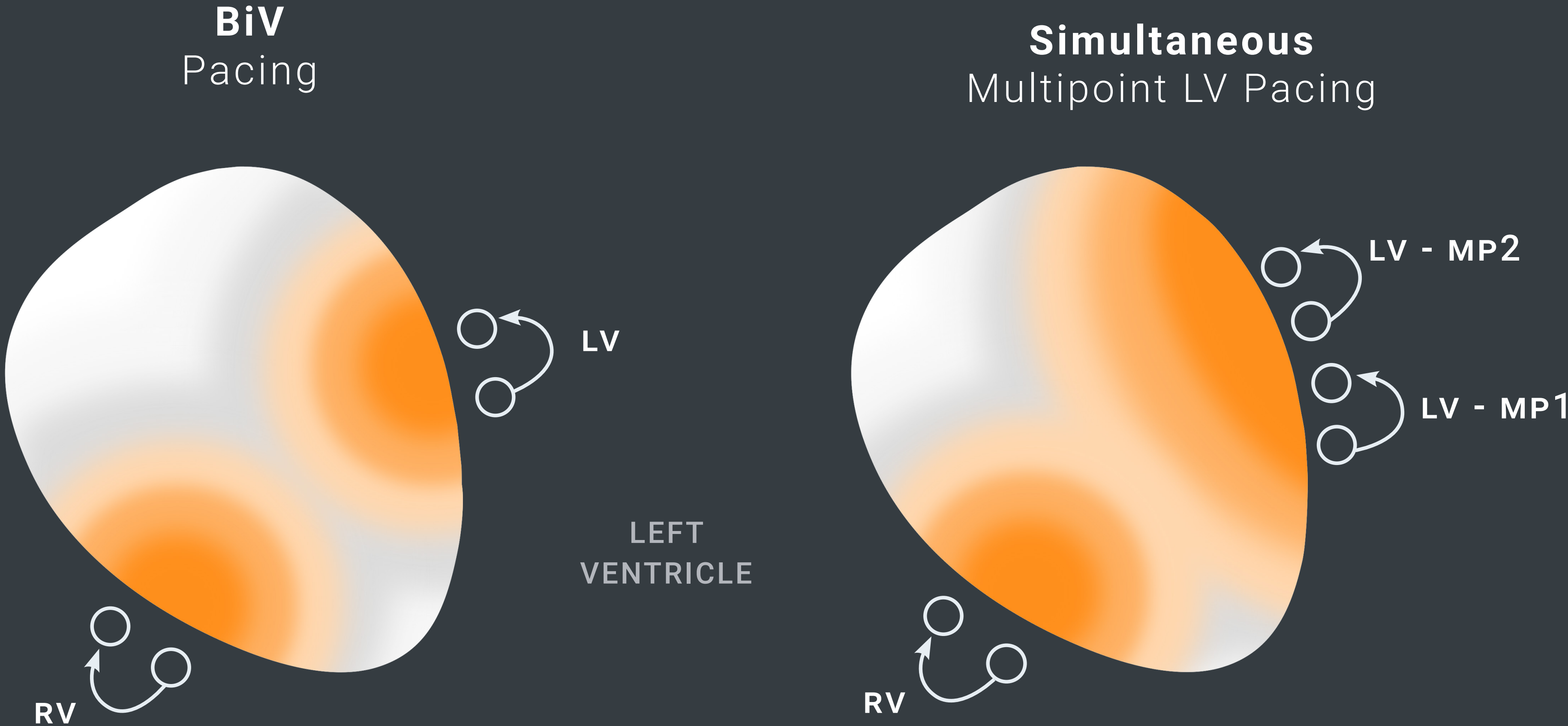
The myocardial substrate in CRT patients can show significant electrical heterogeneity.<sup>3</sup>

To overcome this, pacing the LV simultaneously at two different sites could be a solution to optimize CRT for non-responder patients.<sup>4</sup>

## MULTIPOINT LV PACING (MP) IS DESIGNED TO

- Capture a broader area of the LV<sup>5</sup>
- Reduce persistent mechanical dyssynchrony<sup>6</sup>
- Improve hemodynamics<sup>7</sup>

**MORE HOMOGENEOUS ELECTRICAL  
ACTIVATION OF THE LEFT VENTRICLE WITH  
SIMULTANEOUS MULTIPPOINT LV PACING<sup>5</sup>**



SCHEMATIC REPRESENTATION OF THE ELECTRICAL ACTIVATION OF THE LEFT VENTRICLE WITH CONVENTIONAL BIV PACING VERSUS SIMULTANEOUS MULTIPPOINT LV PACING.

**ALL AVAILABLE MULTIPOINT PACING OPTIONS  
AT A GLANCE FOR QUICK AND EASY SELECTION**

MP 1	TO (+)					
FROM (-)	LV2	LV4	RV ring	RV coil	CAN	
LV tip 1	✓	✓	✓	✓	✓	
LV 2		✓		✓	✓	

MP 2	TO (+)					
FROM (-)	LV2	LV4	RV ring	RV coil	CAN	
LV 3	✓	✓	✓	✓	✓	
LV 4				✓		

MP1 AND MP2 PACING SITES INDEPENDENTLY PROGRAMMABLE



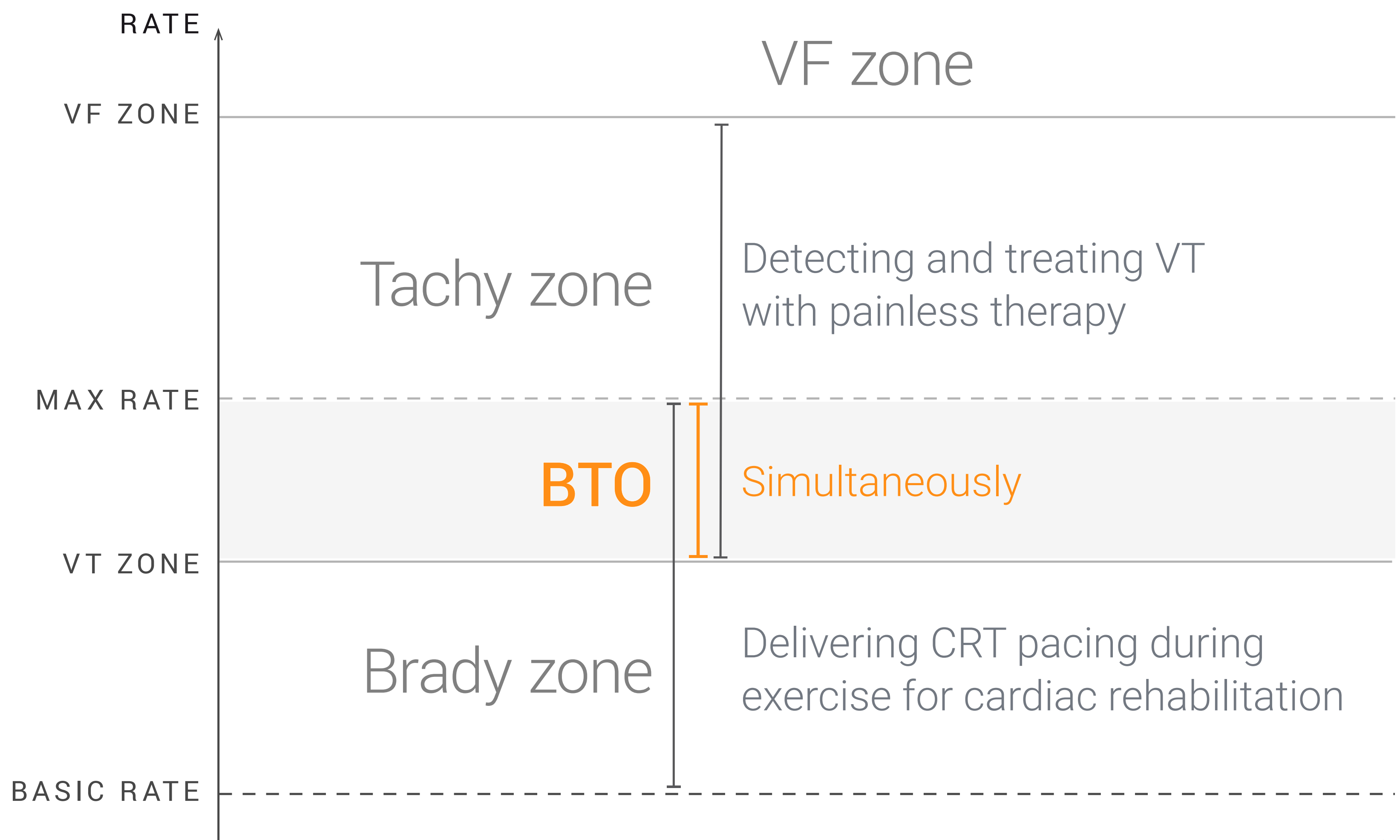
BTO™

ACTIVE RESYNCHRONIZATION

The world's only CRT-D device allowing Brady-Tachy Overlap.

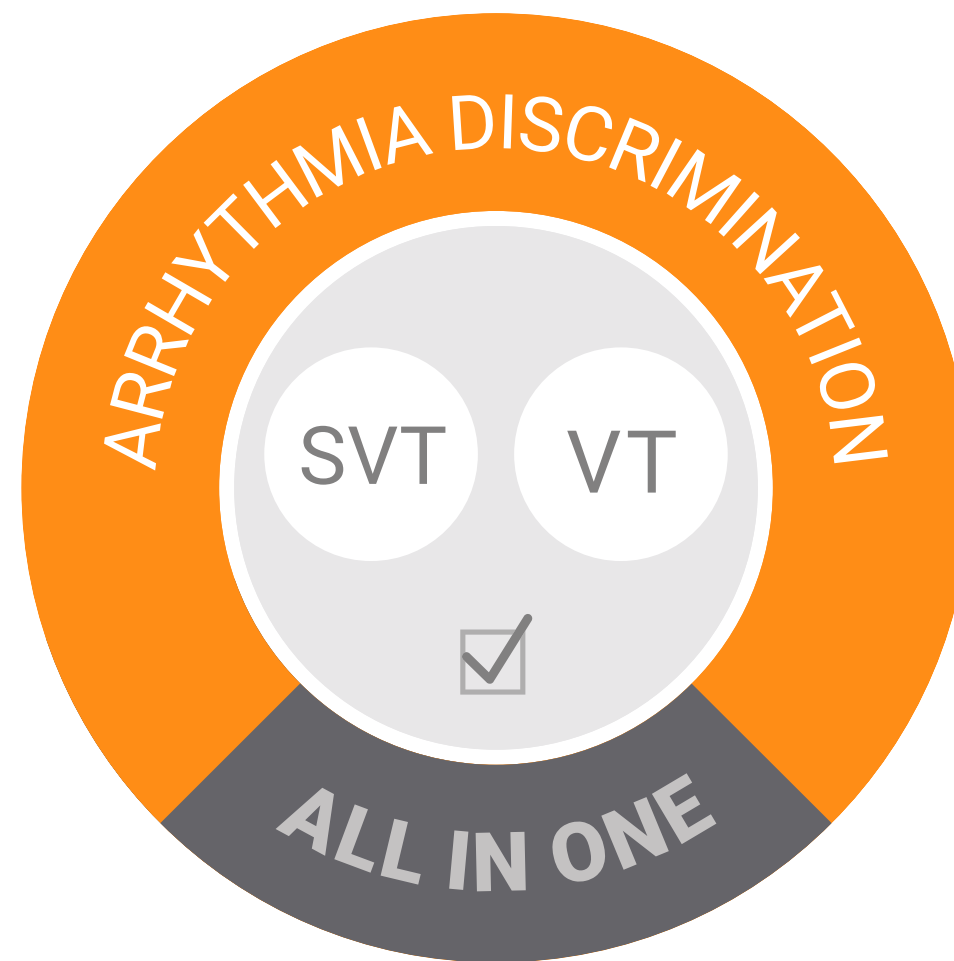


BTO ensures resynchronization whatever the patients condition.

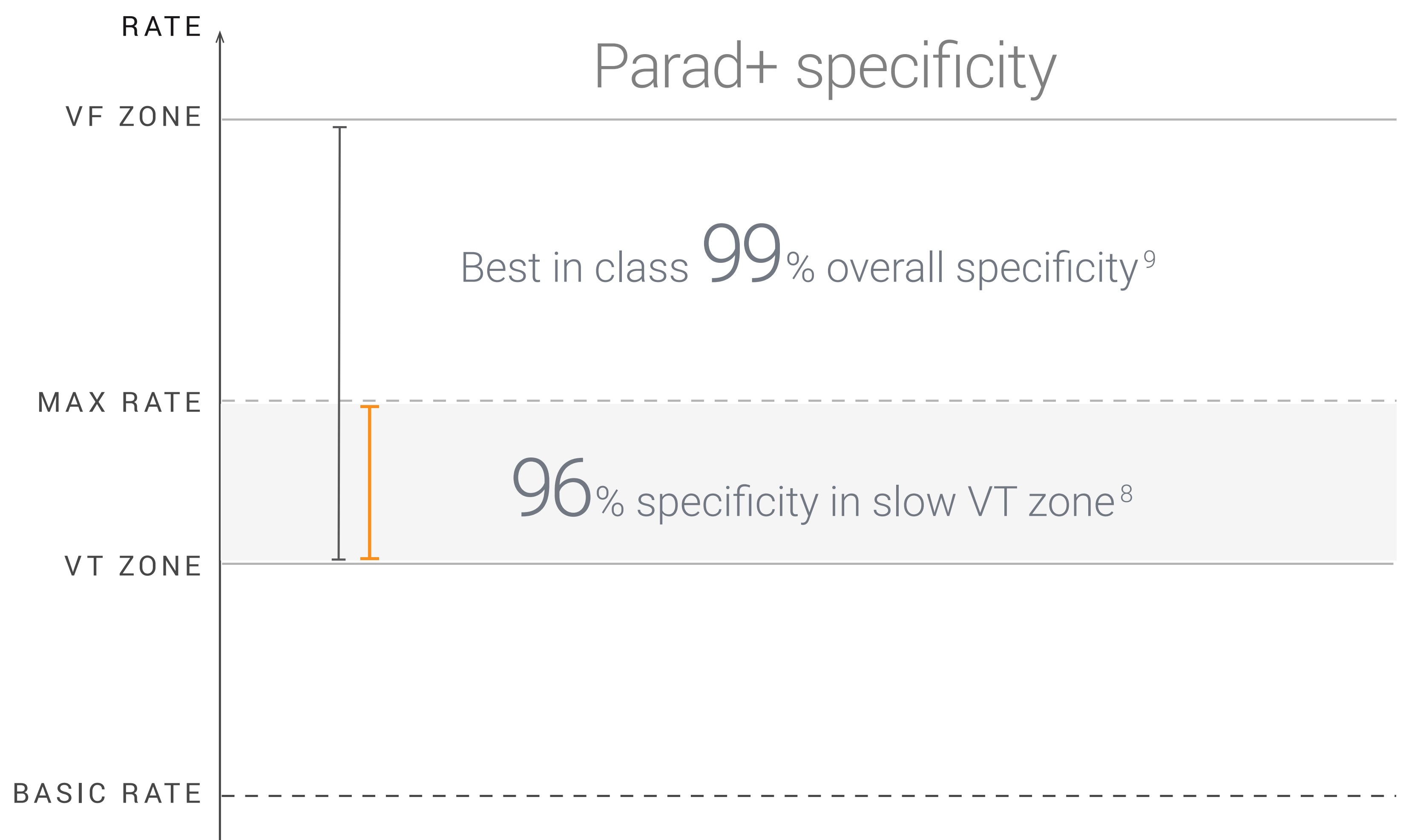




# Parad+™



The proven PARAD+ discrimination algorithm enables safe overlapping of zones<sup>8</sup>





SonR™

TECHNOLOGY

A CARDIAC CONTRACTILITY SENSOR

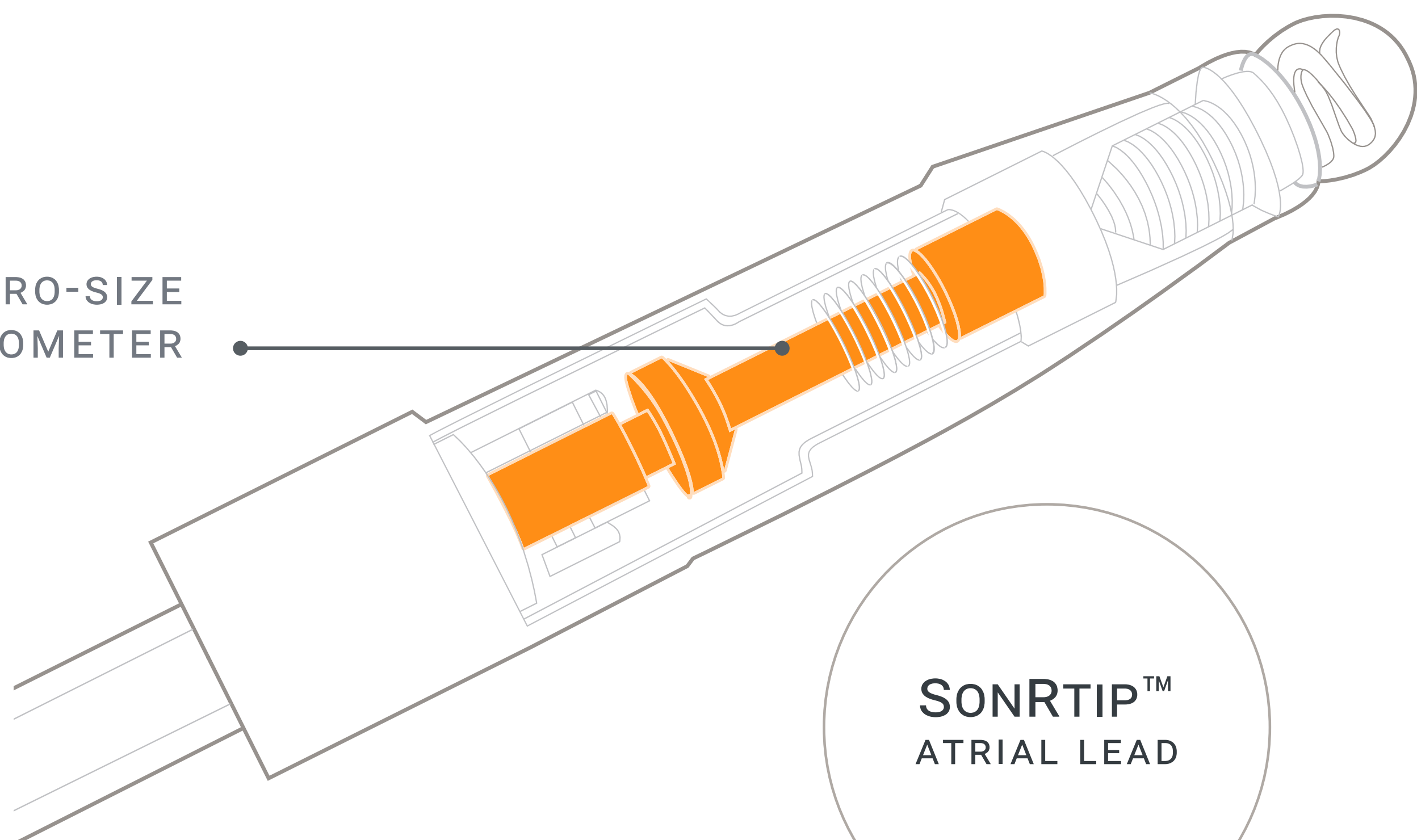


The SonR™ sensor detects cardiac muscle vibrations which are correlated to the LV dP/dt max<sup>10,11</sup>

99.8%

Free from complications at 1 year<sup>12</sup>

MICRO-SIZE  
ACCELEROMETER

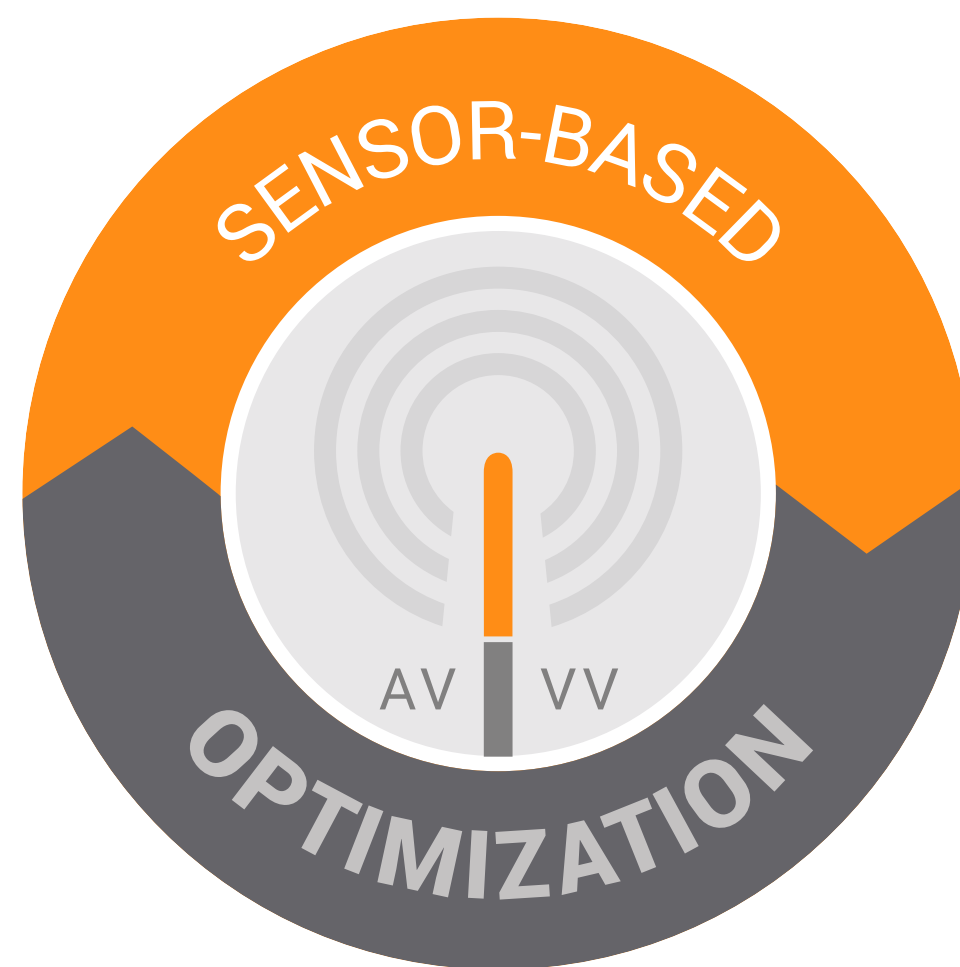


SONRTIP™  
ATRIAL LEAD

# SonR™

## TECHNOLOGY

A CARDIAC CONTRACTILITY SENSOR



# AV & VV

## OPTIMIZATION ALGORITHM

SonR™ measures **real-time LV contractility**<sup>13</sup>  
allowing for automatic optimization  
of AV and VV delays  
at rest and during exercise.

This allows for therapy to be  
continuously adapted to the  
individual needs of each patient.

35%

Risk reduction in HF hospitalization

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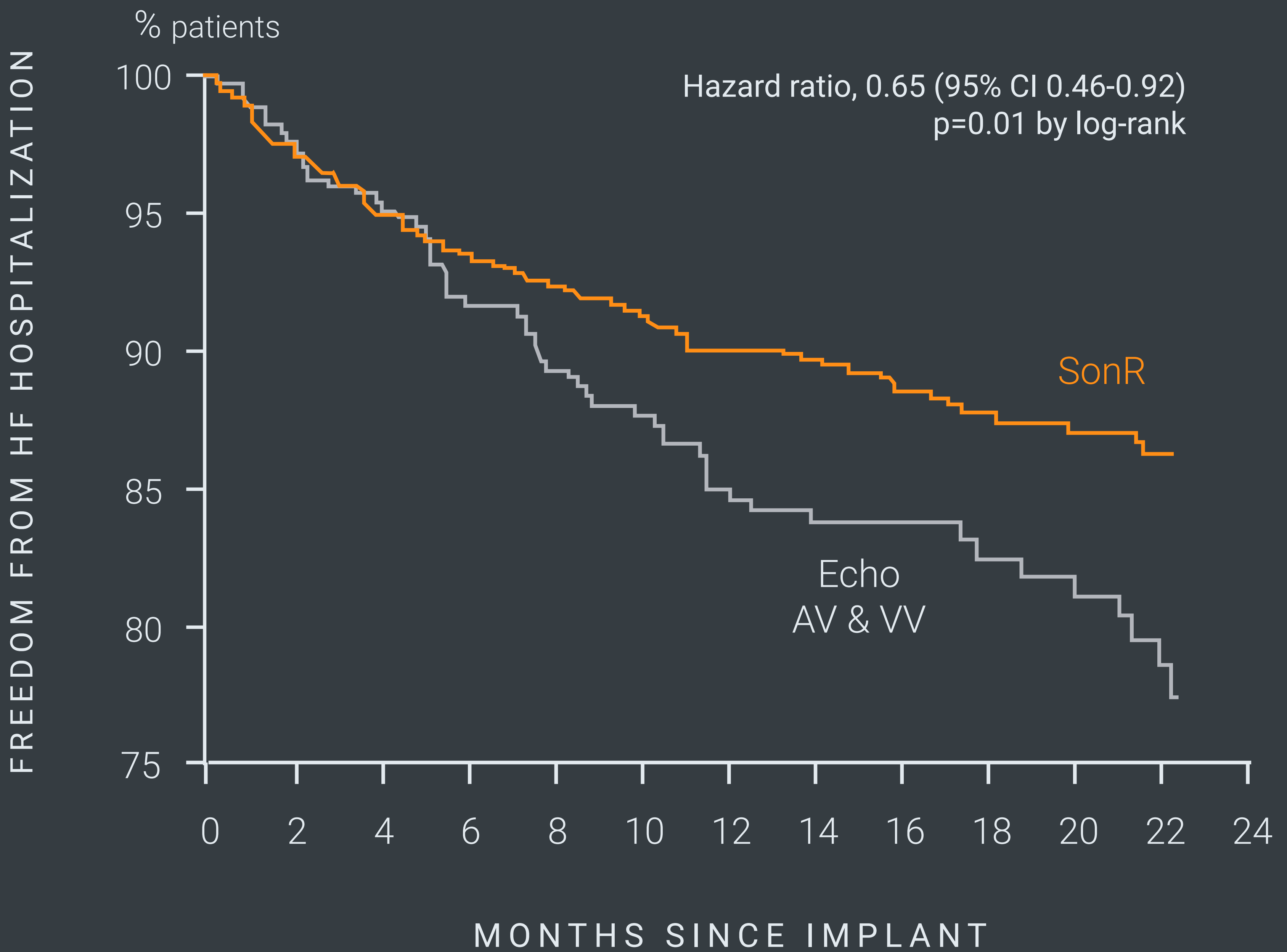
Long term follow up shows a  
significant risk reduction in  
HF hospitalization  
for patients optimized with the  
Respond CRT System<sup>TM</sup>.<sup>12</sup>

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Risk reduction in HF hospitalization

35%

Freedom from HF hospitalization



No. at risk

	0	2	4	6	8	10	12	14	16	18	20	22	24
SonR	670	641	617	600	588	579	498	418	408	339	250	244	135
Echo	328	315	304	289	277	269	229	191	189	171	119	144	49



33.7 cc

SMALL SIZE &  
ERGOFORM DESIGN.

World's greatest projected longevity.<sup>1</sup>

10 years<sup>14</sup>

WITH EXTENDED 6-YEAR WARRANTY.

Longevity is based on real life pacing conditions.<sup>1</sup>  
Warranty applied regardless of the pacing conditions and therapy frequency.<sup>15</sup>

## REFERENCES

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14. Functioning conditions for projected longevity: SonR CRT-D models: Biventricular pacing in DDD mode, 30% in atrium, 100% in both ventricles, at 60 min<sup>-1</sup>, 600 Ω, A & RV pacing amplitude 2.5 V, LV pacing amplitude 3 V, 0.35 ms, 3 max shocks per year, sensor OFF, SonR ON, MP OFF. Longevities are calculated by taking into account 6 months storage with the following conditions: Remote ON: daily check, 4 follow-ups and 5 full alert reports per year. RF telemetry ON: 45 min for ICD / 120 min for CRT-Ds at implant + 15 min at discharge + 15 min in-clinic quarterly FU.
15. For more details please refer to the following document supplied with the device: U666 - LIMITED WARRANTY for PLATINIUM ICD and CRT-D devices.

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IN ITALY BY**

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Italy

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