



Gali™

RETHINK EFFICIENCY

Adaptive technology for
streamlined workflow and
advanced patient care



Connected through life

RETHINK EFFICIENCY

Adaptive technology for streamlined workflow and advanced patient care

At MicroPort®, detail drives innovation. State-of-the-art technology, our defibrillators offer high standard therapies and an effortless approach to patient management, saving valuable time for you and your patients.

Besides being **the longest-lasting 1.5 and 3T full body MRI-conditional CRT-D**, Gali™ guarantees continuous, advanced patient care while device dimensions, design and preset programming make implantation, and follow-up effortless.^{1,2}

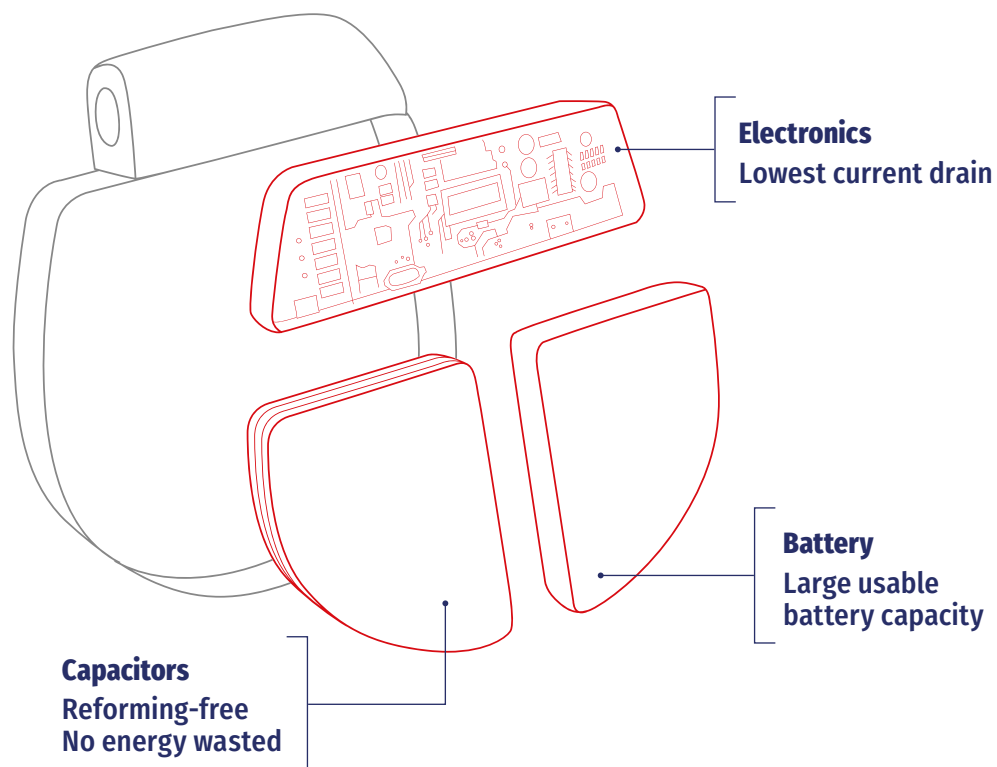
AutoMRI™ adaptive intelligence allows Gali™ to automatically adapt to the MRI scanning environment, ensuring that essential therapies are enabled whilst providing a seamless MRI pathway for your patients.²

- ◆ **The longest lasting CRT-D reduces the need for early replacements¹**
- ◆ **AutoMRI™ adaptive intelligence offers flexibility when scheduling MRI scans²**
- ◆ **Implantation and programming set-up made easy**
- ◆ **Continuous and advanced care to ease the burden on healthcare systems³⁻⁸**



UNPARALLELED LONGEVITY¹

Gali™ incorporates advanced technology that withstands the test of time. Having the lowest current drain and a large battery capacity, MicroPort® excels in predicted longevity compared to other devices, saving patients from early replacements and alleviating the burden on healthcare systems.^{3,4}



THE LONGEST LASTING CRT-D¹

CRT-D Models

MicroPort®
Gali™ CRT-D

10.7
YEARS

+41%

VS.

7.6

YEARS

Abbott
Gallant™ HF CRT-D

MicroPort®
Gali™ CRT-D

10.5
YEARS

+27%

VS.

8.3

YEARS

Biotronik Acticor™ 7 HF-T QP/
Rivacor™ 3/5/7 HF-T QP CRT-D

MicroPort®
Gali™ CRT-D

10.3
YEARS

+6%

VS.

9.7

YEARS

Boston Scientific
Resonate™ X4 CRT-D

MicroPort®
Gali™ CRT-D

11.8
YEARS

+42%

VS.

8.3

YEARS

Medtronic
Colbalt™ CRT-D

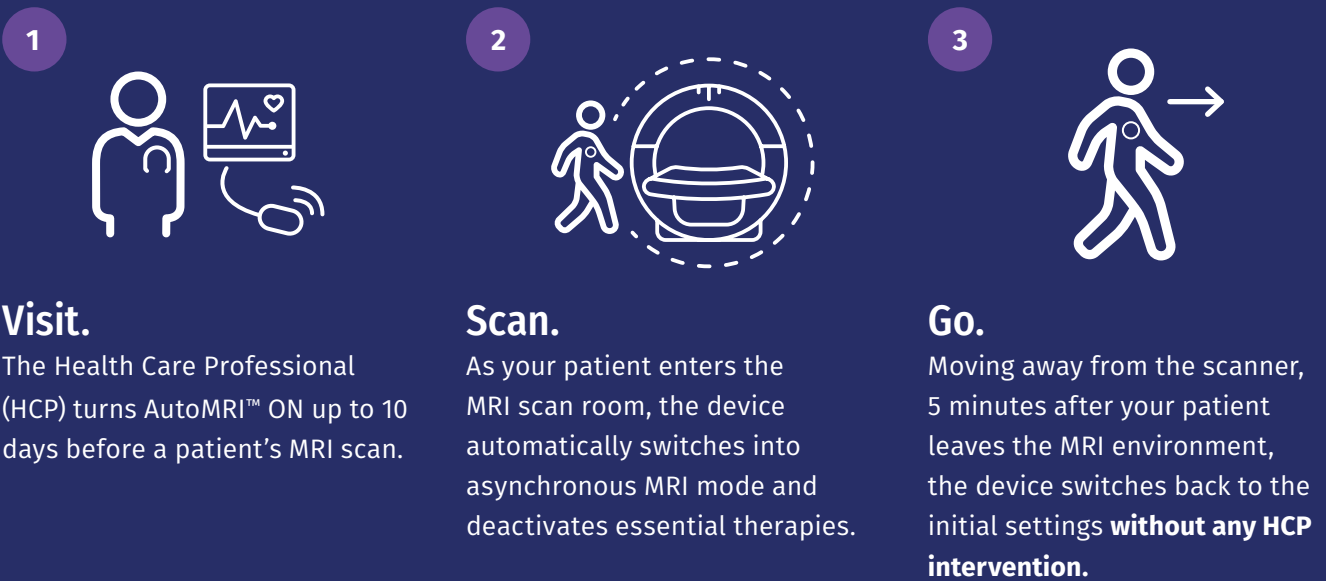
This longevity comparison has been developed using similar conditions and settings across device models and manufacturers. Settings have been extracted from the official device manuals and longevity simulators of manufacturers in order to ensure the most accurate longevity estimations and precise comparison.⁹

A STREAMLINED MRI PATHWAY WITH AUTOMRI™



Both patients and physicians alike desire the peace of mind and sense of control that continuous monitoring brings. AutoMRI™ adaptive intelligence allows Gali™ to automatically adapt to the MRI scanning environment, offering flexibility in scheduling MRI scans and allowing more independence for you and your patients.²

MRI workflow with AUTOMRI™

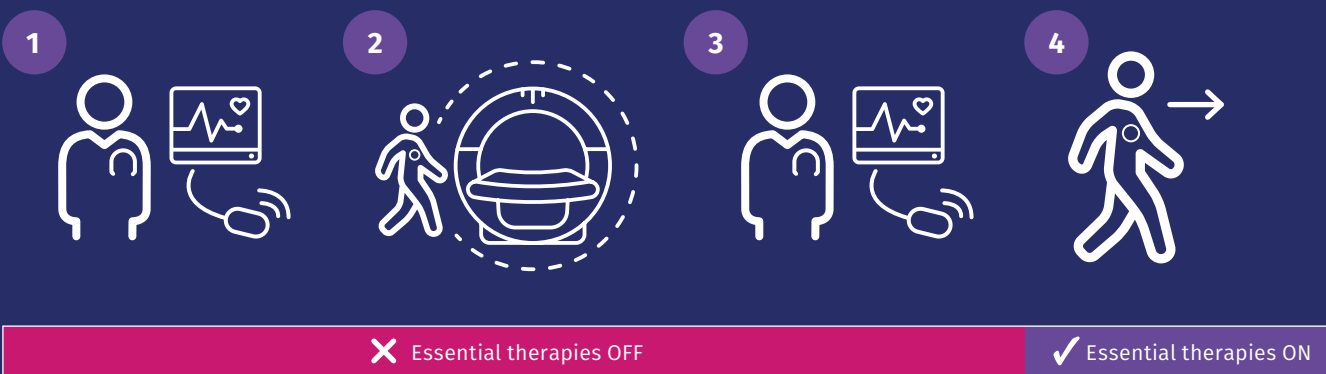


✓ Essential therapies ON

✗ Essential therapies OFF

✓ Essential therapies ON

Conventional MRI workflow



IMPLANTATION, PROGRAMMING SET-UP AND FOLLOW-UP MADE EASY

Not only will you find implant procedures and set-up unchallenging, Gali™ will also provide you with key information at a glance and comes with a test assistant that streamlines in-clinic follow-up procedures.



Device dimensions and design make implant and replacements easy, while preset programming makes set-up effortless



Smaller incision & reduced pocket size



Lead connection and device insertion facilitated



Natural lead wrap around



Out-of-box programming calibrated through clinical experience



Save time for you, your patient and your clinic

Gali™ provides key information at a glance. It features a convenient programmer overview screen and high-definition EGMs that offer clear, detailed patient clinical data for a seamless follow-up.

Warnings

Estimated remaining longevity & battery voltage

Pacing mode

Brady / Tachy parameters

WARNINGS: 0

SYSTEM STATUS

Time to RRT

RRT 1 3 5 7 9 12 Years

Voltage 3.14 V 12/Oct/2019 B.O.S. = 3.24 V

R.T.I. = 2.62 V

E.O.S. = 2.50 V

Last charge time 10.5 s Last shock imped. 52 ohm

LEADS

	PR Waves - mV	Threshold - V	Impedance - Ohm
A	3.2 12/Oct/2019	1.00 12/Oct/2019	483 12/Oct/2019
RV	7.7 12/Oct/2019	1.00 12/Oct/2019	458 12/Oct/2019
LV		1.50 12/Oct/2019	609 12/Oct/2019

RV Coil Continuity 488 ohm 12/Oct/2019

SVC Coil Continuity 424 ohm 12/Oct/2019

PARAMETERS

60 min⁻¹ 120 Mode **DDDR** RV Sens **0.6 mV**

110 175 200 240 min⁻¹

Zones Slow VT ON VT ON FAST VT + VF ON

Detection **PARAD+** Rate + Stability

ATP 1 OFF 3 BURST + SCAN 1 BURST

ATP 2 OFF 3 RAMP

Shock 1 OFF 42 J 42 J

Shock 2 OFF 42 J 42 J

42J Shock OFF 4 x 42 J 4 x 42 J

STATISTICS

Reset % cycles As 2% Ap 85% Vs 1% Vp 99% Time in ms 00s

No. of Mode Switches 0

Since 09/Jul/2019 Last treated ep. 09/Jul/2019 Deleterious ATP 0 Total shocks since implant 1

	Episodes		ATP		Shocks	
	No.	Treated	No.	Success	No.	Success
FVT / VF	1	1	0	0	1	1
VT	0	0	0	0	0	0
Slow VT	0	0	0	0	0	0
Other	0	0	0	0	0	0
Total	1	>>	0	>>	1	>>

Leads status

Coils continuity status

Episodes & therapy overview

AF burden



Test assistant streamlines the in-clinic follow-up procedure

- ✓ Sequential test options
- ✓ Designed for an efficient follow-up experience
- ✓ Spend quality time on diagnostics, not on set up

LV test assistant steps

- 1 Selection of LV vectors**
to test from LV TEST ASSISTANT
- 2 LV test: Start**
Automated and sequential testing of the selected vectors
- 3 LV test: End**
Results on all vectors at a glance
Results of previous tests included

LV TEST ASSISTANT										
		<input checked="" type="radio"/> Autothreshold				<input type="radio"/> Manual Threshold				
	From (-)	To (+)	Impedance		Threshold			PNS		
			Ohm		V	ms	V	ms		
<input checked="" type="checkbox"/>		LV2	990	20/Jun/21	0.75	0.50	20/Jun/21	-	-	-
<input checked="" type="checkbox"/>		LV4	-	-	-	-	-	-	-	-
<input checked="" type="checkbox"/>	LV tip 1	RV ring	664	20/Jun/21	3.00	0.50	20/Jun/21	-	-	-
<input checked="" type="checkbox"/>		RV coil	531	20/Jun/21	0.50	0.50	20/Jun/21	-	-	-
<input checked="" type="checkbox"/>		CAN	541	20/Jun/21	0.50	0.50	20/Jun/21	-	-	-
<input checked="" type="checkbox"/>	LV2	LV4	952	20/Jun/21	1.00	0.50	20/Jun/21	-	-	-
<input checked="" type="checkbox"/>		RV coil	-	-	-	-	-	-	-	-
<input checked="" type="checkbox"/>		CAN	563	20/Jun/21	0.50	0.50	20/Jun/21	-	-	-
<input checked="" type="checkbox"/>	LV3	LV2	924	20/Jun/21	2.25	0.50	20/Jun/21	-	-	-
<input type="checkbox"/>		LV4	772	18/May/21	1.25	0.50	18/May/21	No	-	18/May/21
<input type="checkbox"/>		RV ring	-	-	-	-	-	-	-	-
<input type="checkbox"/>		RV coil	-	-	-	-	-	-	-	-
<input type="checkbox"/>		CAN	-	-	-	-	-	-	-	-
<input checked="" type="checkbox"/>	LV4	RV coil	383	18/May/21	1.75	0.50	18/May/21	3.50	0.50	18/May/21

EASE THE BURDEN ON HEALTHCARE SYSTEMS

From implantation to aftercare monitoring, Gali™ helps relieve burden on our healthcare systems. Gali™ provides clinically proven features that help avoid unscheduled visits, hospitalizations and unnecessary interventions.

Gali™ excels in predicted longevity with up to 12.1 years³

The shorter the device lifespan the **higher the number of replacements and associated complications.**⁴

Lowest rate of inappropriate shocks ever reported with [PARAD+]™⁵

Inappropriate shocks are associated with a **doubling of healthcare costs during the first year.**⁶



REMOTE MONITORING - THE SMART WAY TO DRIVE EFFICIENCY

SmartView remote monitoring system ensures continuous patient monitoring and follow-up, all while keeping the patient out of hospital and saving valuable time and resources for healthcare services.⁷

Automatic threshold tests for effective therapy

Our highly accurate capture management algorithms, ensure regular threshold tests are automatically performed in all chambers. Accordingly, pacing outputs are adapted between follow-ups, ensuring effective therapy and optimizing the battery lifespan.⁸

Take the worry out of technical matters, thanks to MicroPort Remote Monitoring customer service:

**Ensures the
patient is
properly enrolled**

**Ensures the
connection is
effective**

**Detects and acts
to solve issues**



References

1. Competition comparison made as of March 2020, refer to manufacturers manuals and Boston Scientific longevity calculator available online.
2. MicroPort CRM MRI Solutions Manuals available online at microportmanuals.com
3. Munawar DA, Mahajan R, Linz D, Wong GR, Khokhar KB, Thiagarajah A, Kadhim K, Emami M, Mishima R, Elliott AD, Middeldorp ME, Roberts-Thompson KC, Young GD, Sanders P, Lau DH. Predicted longevity of contemporary cardiac implantable electronic devices: A call for industry-wide "standardized" reporting. *Heart Rhythm*. 2018 Dec;15(12):1756-1763.
4. Borleffs CJ, Thijssen J, de Bie MK, van Rees JB, van Welsenes GH, van Erven L, Bax JJ, Cannegieter SC, Schalij MJ. Recurrent implantable cardioverter-defibrillator replacement is associated with an increasing risk of pocket-related complications. *Pacing Clin Electrophysiol*. 2010 Aug;33(8):1013-9.
5. Ruiz-Granell R, Dovellini EV, Dompnier A, Khalighi K, Garcia-Campo E, Olivier A, Barcelo A, Ritter P. Algorithm-based reduction of inappropriate defibrillator shock: Results of the Inappropriate Shock Reduction with PARAD+ Rhythm Discrimination-Implantable Cardioverter Defibrillator Study. *Heart Rhythm*. 2019 Sep;16(9):1429-1435.
6. Bhavnani SP, Giedrimiene D, Coleman CI, Guertin D, Azeem M, Kluger J. The healthcare utilization and cost of treating patients experiencing inappropriate implantable cardioverter defibrillator shocks: a propensity score study. *Pacing Clin Electrophysiol*. 2014 Oct;37(10):1315-23.
7. Klersy C, Boriani G, De Silvestri A, Mairesse GH, Braunschweig F, Scotti V, Balduini A, Cowie MR, Leyva F; Health Economics Committee of the European Heart Rhythm Association. Effect of telemonitoring of cardiac implantable electronic devices on healthcare utilization: a meta-analysis of randomized controlled trials in patients with heart failure. *Eur J Heart Fail*. 2016 Feb;18(2):195-204.
8. Murgatroyd FD, Helmling E, Lemke B, Eber B, Mewis C, van der Meer-Hensgens J, Chang Y, Khalameizer V, Katz A. Manual vs. automatic capture management in implantable cardioverter defibrillators and cardiac resynchronization therapy defibrillators. *Europace*. 2010 Jun;12(6):811-6.
9. LONGEVITY COMPARISON CONDITIONS
With the automatic CRT optimization system deactivated
MicroPort versus Abbott: DDD 60, 100% Ap, 100% BiVp, 2.5V @ 0.35ms for MicroPort / 0.4ms for Abbott, 500Ω, sensor OFF, 1 max shock every 9 months + 4 at implant for Abbott / 1 max shock/year for MicroPort, remote monitoring ON with daily check, 4 FU and 5 full alert reports/year for MicroPort / no additional information available for Abbott, RF telemetry ON: 2h of Bluetooth communication at implant for Abbott / 120min at implant + 15min in-clinic quarterly FU for MicroPort.
MicroPort versus Biotronik: DDD 60, 100% Ap, 100% BiVp, 2.5V @ 0.35ms for MicroPort / 0.4ms for Biotronik, 500Ω, sensor OFF, 2 max shocks/year, remote monitoring ON with 1 device message each day and 24 IEGM-online HD transmissions/year for Biotronik / with daily check, 4 FU and 5 full alert reports/year for MicroPort, RF telemetry ON: 120min at implant + 15min in-clinic quarterly FU for MicroPort / no additional information available for Biotronik.
MicroPort versus Boston Scientific: DDD 60, 100% Ap, 100% BiVp, 2.5V @ 0.35ms for MicroPort / 0.4ms for Boston Scientific, 500Ω, sensor OFF, 2 max shocks/year, remote monitoring ON with quarterly scheduled remote telemetry transmissions with daily check for Boston Scientific and MicroPort, and 5 full alert reports/year for MicroPort only, RF telemetry ON: 2h ZIP telemetry at implant and 40min annually for in-clinic FU for Boston Scientific / 120min at implant + 15min in-clinic quarterly FU for MicroPort.
MicroPort versus Medtronic: DDD 60, 15% Ap, 100% BiVp, 2.5V @ 0.35ms for MicroPort / 0.4ms for Medtronic, 500Ω, sensor OFF, 2 max shocks/year, remote monitoring ON with quarterly scheduled remote telemetry transmissions with daily check for Medtronic and MicroPort, and 5 full alert reports/year for MicroPort only, RF telemetry ON: 1h of wireless telemetry at implant and 1h of in-clinic wireless telemetry annually / 120min at implant + 15min in-clinic quarterly FU for MicroPort.

Not available for sale or distribution in the USA.

Refer to user manual supplied with the device for complete instructions for use.



Manufactured in Europe
by MicroPort CRM