

 MicroPort®

TALENTIA™
SAFEGUARDING
YOUR FUTURE



Connected through life

SAFEGUARDING YOUR FUTURE

The new Talentia™ defibrillators represent MicroPort® CRM's latest development in the field of cardiac care. The device provides patients with advanced protection against sudden cardiac death, and improves their quality of life.^{1,2}

- ◆ **Give your patients confidence to live life —**
Keep the patient out of the hospital as much as possible.²⁻⁵
- ◆ **Enhance your patient's experience —**
Make them forget about their pathology and live their life to the fullest.^{2,6-9}
- ◆ **Stay on top of your schedule with ease —**
Provides you a seamless experience to focus on relevant clinical matters.^{3,7,9}





GIVE YOUR PATIENTS CONFIDENCE TO LIVE LIFE

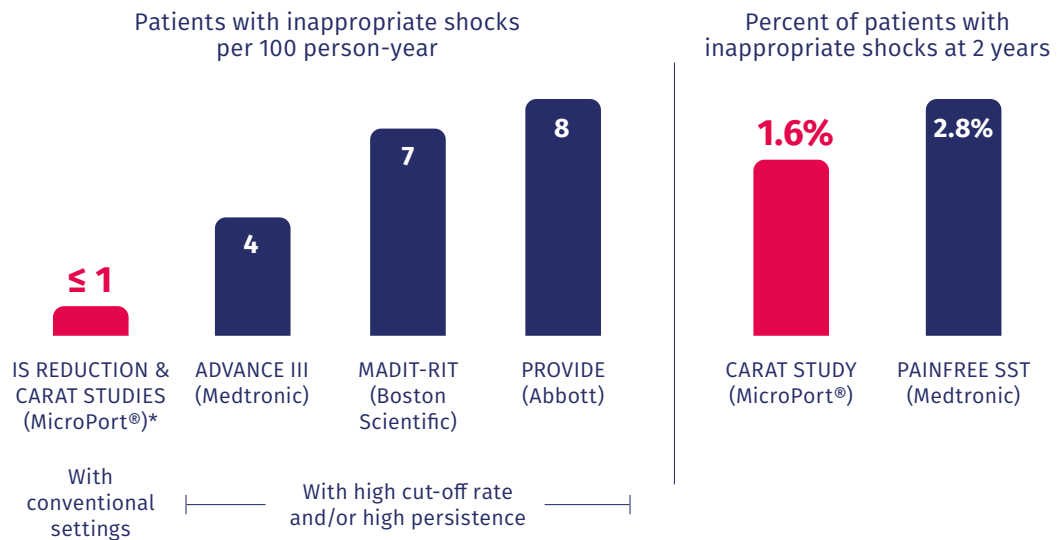
With our diagnostics and therapies, you can give your patients unmatched care minimizing risk of complications.^{4-6,10}



Protect your patients from inappropriate shocks.

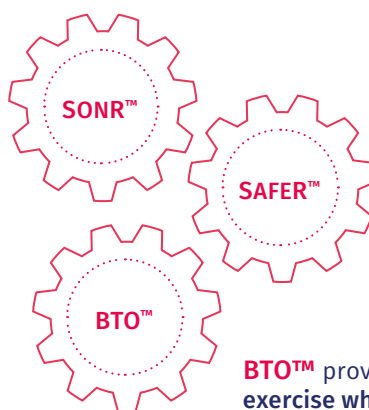
MicroPort® CRM defibrillators are designed to help you safeguard your patients against sudden cardiac death and the risks of inappropriate therapies.

- ✓ Talentia™ boasts the lowest rate of inappropriate shocks for dual chamber devices, due to PARAD+^{2,11}
- ✓ Talentia™ lowers the rate of inappropriate shock to 1.9% at 2 years for single chamber devices thanks to Stability/Acceleration combined with AF Detect¹²
- ✓ Talentia™ gives advanced warnings of potential RV lead failures



Support your patient's health and wellbeing with the right therapy at every moment. Reduce AF/HF-related hospitalisation with a comprehensive treatment plan.

SONR™
Reduces the risk of heart failure hospitalisation by 35%. CRT optimization is automatically tailored to each patient's need.³



SAFER™
Reduces the risk of atrial fibrillation and hospitalisation due to heart failure preventing potential issues associated to RV pacing.^{13,14}

BTO™ provides support for exercise while allowing to detect and treat arrhythmias.





Protect patients from the consequences of avoidable device replacement.

The world's greatest projected longevity protects your patients from complications associated to infections and replacements.^{6,8}



AUTOMRI™ workflow provides the most appropriate therapy for as long as possible.

AUTOMRI™ recognizes an MR environment and automatically switches to MRI mode to minimize the time your patient spends in asynchronous pacing mode and unprotected from life-threatening arrhythmias.⁷



A small device for fewer complications.

A smaller device means a smaller incision and reduced pocket size. It also reduces the trauma and risk of infections¹⁶ experienced in the case of replacement, as the device fits in the existing pocket. Plus, the design of Talentia™ minimises skin pressure, protecting patients against pocket erosion.

ENHANCE YOUR PATIENT'S EXPERIENCE

Our approach gives your patients a high quality of life, by providing the right therapy only when needed. Frequent hospital visits won't be necessary. Instead, they can forget about their device and get on with their life.



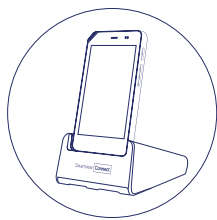
Helps prevent the patients from the traumatic experience of inappropriate shocks.^{2,12}

Help your patient forget their worries and focus on a brighter future

MicroPort® CRM algorithms help you manage your patient's therapy easily, without impacting their routine or daily life.

Talentia™ protects your patient from inappropriate shocks thanks to:

- ✓ Cutting edge discrimination algorithms,
- ✓ RV Lead Parameters Evaluation, a multi-parametric algorithm and associated alerts, providing early detection of potential lead failure for proactive intervention.



LEAD PARAMETER EVALUATION		ON
ELECTRIC MEASURES	DAILY CHECK	MID TERM EVOLUTION
• Impedance	✓	⚠
• Continuity	✓	✓
• Threshold	✓	✓
• Amplitude	⚠	✓
RHYTHMIC MEASURES		
• Not treated VF	✓	
• Short RR intervals	⚠	



Keep your patients out of hospital as much as possible.

- ✓ Your patients need fewer hospital visits. SonR™ allows CRT patients to keep these hospital visits to a minimum through automatic and reliable updates.⁹
- ✓ Our devices offer the best projected longevity on the market.^{6,8} This helps steer your patients clear of hazardous device replacements and related surgical risks. Keep them safe with our long-lasting solutions.
- ✓ AUTOMRI™ offers a painless and worry-free MRI experience for your patients. Annoying appointments are reduced through a fast, straightforward MRI pathway.⁷

STAY ON TOP OF YOUR SCHEDULE WITH EASE...

A complete set of automatic features to focus on relevant clinical matters.



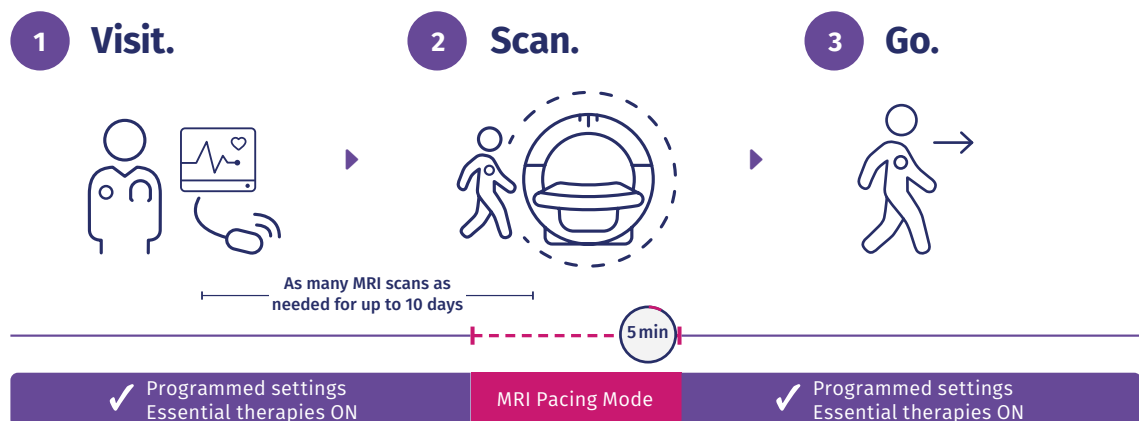
The same results as traditional CRT optimization tools... only automated.^{3,9}

Free up your time and energy, reducing your workload. SonR™ is an automated system that eliminates the hassle of echo-guided optimization.

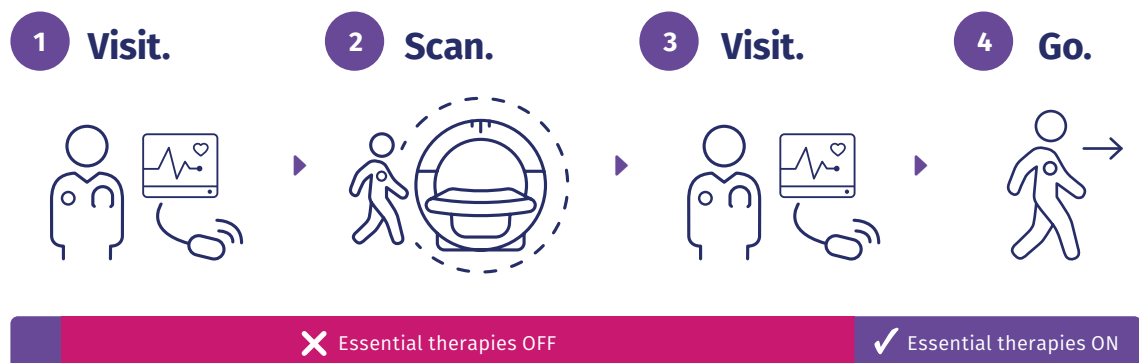
Cut MRI-related visits in half and make sure they align with your schedule.

AUTOMRI™ helps you manage your time and resources more efficiently. It recognizes an MR environment within a programmable time frame and activates the device's MRI mode only in these circumstances. You can program your patient's pre-scan visit up to 10 days in advance – so no more rushing for time! And there's no longer any need for post-scan visits: the device will switch back to normal settings automatically, 5 minutes after the scan, leaving you free to focus on other matters.

MRI workflow with AUTOMRI™⁷



Conventional MRI workflow



...AND TO BOOST EFFICIENCY THANKS TO NEW TECHNOLOGIES



Seamless device programming with Bluetooth® Low Energy (BLE) connectivity.

Thanks to our new Bluetooth® Low Energy (BLE) connectivity, we provide a high quality connection without affecting the device longevity. This means straightforward implant and follow-up procedures. No more interruptions due to connection failure. No more wasted time trying to reconnect.

Clinical decisions made quickly thanks to a new, streamlined user interface.

An interface developed with you in mind. Healthcare professionals helped refine our new UI, so critical information is easy to find. This information is organised on two levels:

1. An overview page - quickly assess your patient's status.
2. Sub-screens - access more detailed information when needed.

Data showing your patient's status and health changes over time is available. This data helps you gain a complete understanding of your patient's needs, so you can make informed clinical decisions.

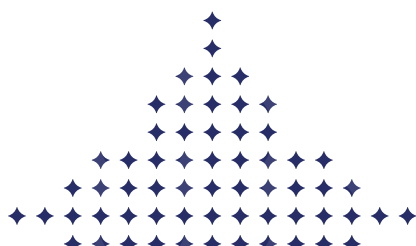
Plus, the interface is available in both bright and dark modes to adapt the display to the preferences, environments and habits of every user.



References

- Hofer D, Steffel J, Hürlimann D et al. Long-term incidence of inappropriate shocks in patients with implantable cardioverter defibrillators in clinical practice—an underestimated complication?. *J Interv Card Electrophysiol* 50, 219–226 (2017).
- Ruiz-Granell R, Dovellini EV, Dompnier A, Khalighi K, García-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.
- Brugada J, Delnoy PP, Brachmann J, Reynolds D, Padeletti L, Noelker G, Kantipudi C, Rubin Lopez JM, Dichtl W, Borri-Brunetto A, Verhees L, Ritter P, Singh JP; RESPOND CRT Investigators. Contractility sensor-guided optimization of cardiac resynchronization therapy: results from the RESPOND-CRT trial. *Eur Heart J*. 2017 Mar 7;38(10):730-738.
- 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.
- Lovelock JD, Cruz C, Hoskins MH, Jones P, El-Chami MF, Lloyd MS, Leon A, DeLurgio DB, Langberg JJ. Generator replacement is associated with an increased rate of ICD lead alerts. *Heart Rhythm*. 2014 Oct;11(10):1785-9.
- Competition comparison made as of March 2023, refer to manufacturers manuals and Boston Scientific longevity calculator available online.
- MicroPort® CRM MRI Solutions Manuals available online at microportmanuals.com.
- 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.
- Lunati M, Magenta G, Cattafi G, Moreo A, Falaschi G, Contardi D, Locati E. Clinical Relevance Of Systematic CRT Device Optimization. *J Atr Fibrillation*. 2014 Aug 31;7(2):1077.
- Jayanthi N, Koneru, MBBS; Paul W. Jones, MS; Eric F. Hammill, BS; Nicholas Wold, MS; Kenneth A. Ellenbogen, MD. Risk Factors and Temporal Trends of Complications Associated With Transvenous Implantable Cardiac Defibrillator Leads *J Am Heart Assoc*. 2018;7: e007691.
- Hintringer F, Deibl M, Berger T, Pachinger O, Roithinger FX. Comparison of the specificity of implantable dual chamber defibrillator detection algorithms. *Pacing Clin Electrophysiol*. 2004 Jul;27(7):976-82.
- Wolfgang Dichtl, João De Sousa, Jose Manuel Rubin Lopez, Enrique Garcia Campo, Klaus-Jürgen Gutleben, Yann Poezevara, Vincent Probst. Low rates of inappropriate shocks in contemporary real-world implantable cardioverter defibrillator patients: the CARAT observational study, *EP Europace*, Volume 25, Issue 9, September 2023, euaad186.
- Kolb C, Sturmer M, Sick P, Reif S, Davy JM, Molon G, Schwab JO, Mantovani G, Dan D, Lennerz C, Borri-Brunetto A, Babuty D. Reduced risk for inappropriate implantable cardioverter-defibrillator shocks with dual-chamber therapy compared with single-chamber therapy: results of the randomized OPTION study. *JACC Heart Fail*. 2014 Dec;2(6):611-9.
- Sweeney MO, Hellkamp AS, Ellenbogen KA, Greenspon AJ, Freedman RA, Lee KL, Lamas GA; MoDe Selection Trial Investigators. Adverse effect of ventricular pacing on heart failure and atrial fibrillation among patients with normal baseline QRS duration in a clinical trial of pacemaker therapy for sinus node dysfunction. *Circulation*. 2003 Jun 17;107(23):2932-7.
- Talentia VR, DR: conditions: 0% pacing (monitoring), no clinical shocks, rate response, sensor OFF, BLE remote communication and home monitoring ON. Talentia SONR CRT-D: conditions: 15% A, 100% BIV pacing, 60min⁻¹, 2.5V, 0.35ms, 5000, no clinical shocks, rate response, sensor OFF, SONR ON, BLE remote communication and home monitoring ON.
- Zhu J, Yang Q, Pan J et al. Cardiac resynchronization therapy-defibrillator pocket infection caused by *Mycobacterium fortuitum*: a case report and review of the literature. *BMC Cardiovasc Disord* 19, 53 (2019).

Not available for sale or distribution in the USA.
Refer to user manual supplied with the device for complete instructions for use.



EXPERIENCE TALENTIA™ SYSTEM ACROSS THE CONTINUUM OF CARE



TALENTIA™ 4LV SonR System *with SonRtip™ - Invicta™ - Navigo™*

- Longest lasting defibrillators
- 1.5 & 3T full body MR-conditional
- Features AUTOMRI™ for a safe MRI pathway
- Safe and efficient implantation



PROGRAMMER *with the new UI*

- Brand new user interface developed in collaboration with HCPs to improve your programming and follow-up experience
- Overview at a glance whilst ensuring ease in accessing information



REMOTE MONITORING *with Bluetooth® Low Energy capabilities*

- Smart way to run efficiency

Manufactured in Europe
by MicroPort CRM