

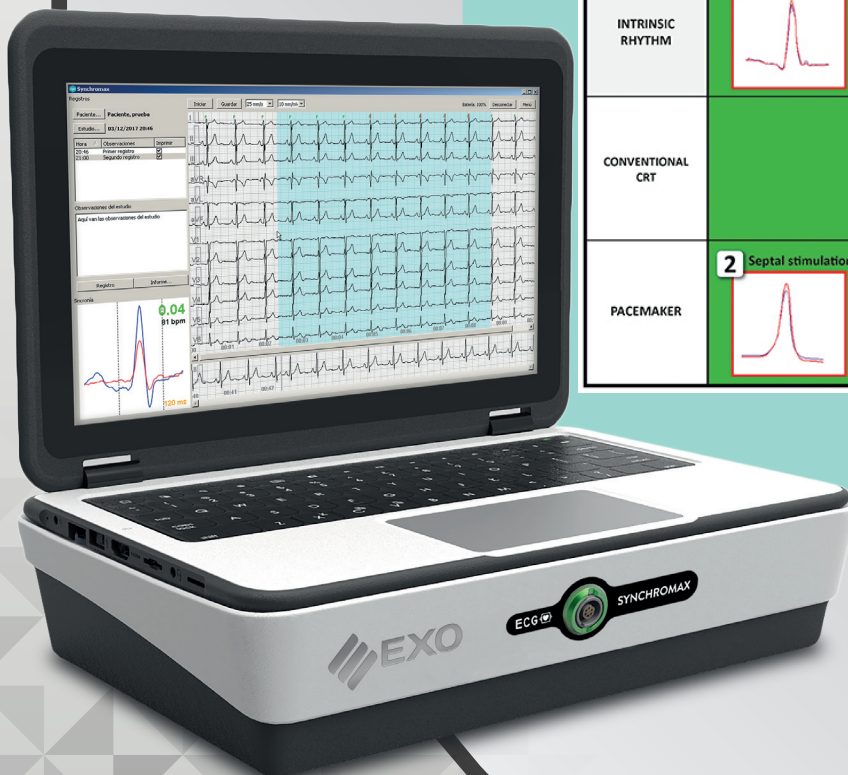
# EXO SYNCHROMAX<sup>®</sup>

## Noninvasive cardiac electrical synchrony assessment



### DESCRIPTION

- **Synchromax<sup>®</sup>** is a portable ECG monitor to assess the degree of interventricular asynchrony before, during and after the implant of a pacemaker, an implantable defibrillator or a cardiac resynchronization (CRT) device. The process is done noninvasively and in a few minutes.
- It is possible now for the physician or the technician to define if a patient will benefit or not from an implant. Optimal pacing sites can easily be localized during the implant, and the device parameters can be optimally programmed during the follow-up.
- The proprietary software generates the necessary reports and stores all the information.



	SYNCHRONOUS	INTERMEDIATE		DISYNCHRONOUS	
INDEX	0 - 0,4	0,41 - 0,7		0,71 - 1	
INTRINSIC RHYTHM	1 Narrow QRS 	3 Normal +/- RBBB 	9 LAHB +/- RBBB 	6 LBBB 	10 LAHB +/- RBBB 
CONVENTIONAL CRT		4 CRT optimized 		7 CRT not optimized 	
PACEMAKER	2 Septal stimulation 	5 Apex RV 		8 Apex RV 	

➤ Different types of curves.



## SYNCHROMAX® ALLOWS:

- Assessing the basal asynchrony level (CRT candidate?)
- Verifying the pacing site effect on asynchrony, during the implant of pacemakers and resynchronizers (CRT devices)
- Adjusting the CRT device interventricular (V-V) interval to minimize asynchrony.
- Evaluating asynchrony during devices follow-up, optimizing the parameter programming.
- It makes finding optimal para-Hisian pacing a simple task.



No simple and inexpensive method was available so far for the evaluation of the impact on asynchrony of the chosen pacing site. **Synchromax®** minimizes the risk of worsening the cardiac asynchrony by wrong pacing site selection. An easy way to program V-V or A-V interval during follow-up to minimize asynchrony was not possible either. Besides, each patient needs specific programmable parameters, at discharge and during the follow-up.

### Synchromax® offers a simple and reliable noninvasive method:

- *For the prescribing physician, to confirm the presence of asynchrony before indicating a CRT device.*
- *For the implanting physician, to know the impact of the chosen pacing site on the asynchrony.*
- *For the physician or technician at discharge, to verify the effect on asynchrony of the different parameters that are being programmed.*
- *For the prescribing physician, to confirm that the device has improved the asynchrony that motivated the device indication.*
- *For the implanting physician, allows right ventricular pacing site selection that does not worsen asynchrony.*

These objectives are achieved processing the surface ECG signals, showing self-explanatory curves to verify the asynchrony degree and quantifying it through a proprietary CSI (Cardiac Synchrony Index).

***Synchromax® is a simple, use-friendly tool for guiding lead placement.***

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