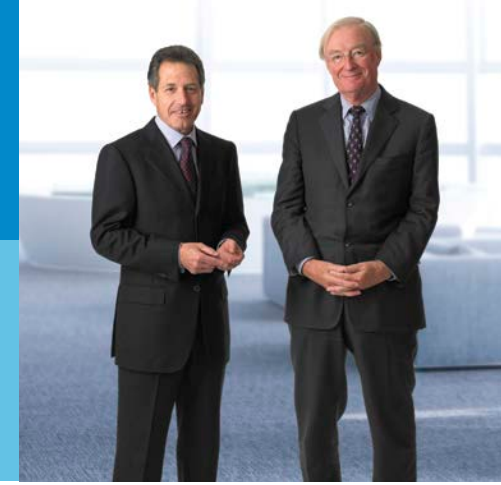


**JOSEPHSON
AND WELLENS:**
HOW TO APPROACH
COMPLEX ARRHYTHMIAS
DIGITAL EXPERIENCE



Medtronic
Further, Together

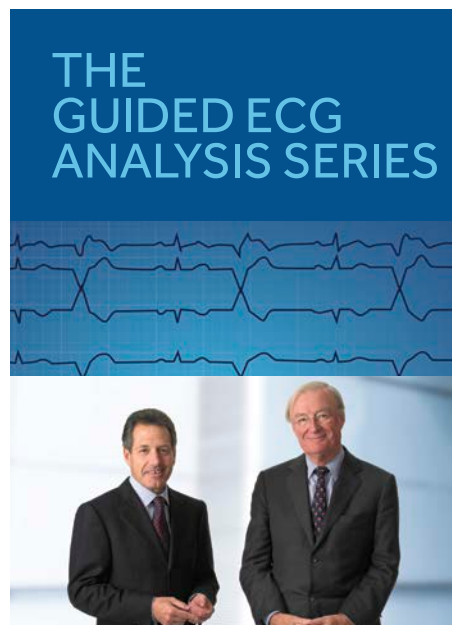
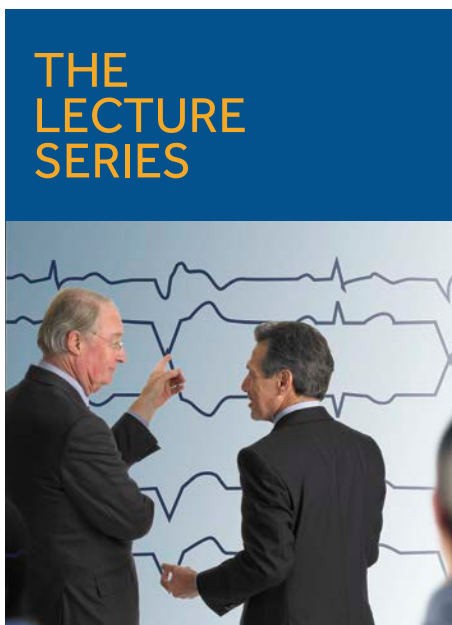
JOSEPHSON AND WELLENS: HOW TO APPROACH COMPLEX ARRHYTHMIAS DIGITAL EXPERIENCE



The Josephson and Wellens Digital Experience delivers groundbreaking expert instruction on interpretation of complex arrhythmias. This Medtronic Academy program preserves the legendary teachings of Mark Josephson, M.D., and Hein Wellens, M.D., and is designed for healthcare professionals with an understanding of advanced electrocardiography who wish to further their knowledge of complex ECG arrhythmia interpretation.

The Program

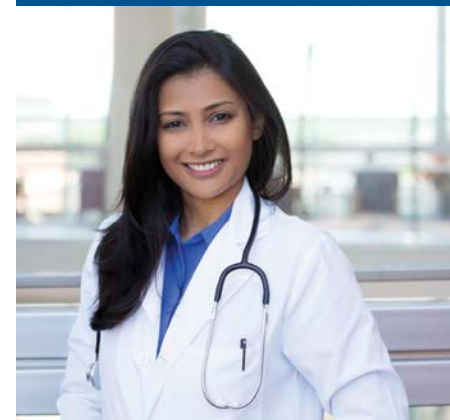
The program is segmented into digestible lectures and guided ECG analysis modules, allowing you to view topics in smaller segments. The Lecture Series consists of four lectures that are broken into modules. The Guided ECG Analysis Series includes a total of 56 tracings. Each tracing provides the opportunity to practice complex ECG interpretation while watching the esteemed professors coach fellows in the live course.



Format Options

The program is presented two ways: The Scholar or The Sampler experience. As a Scholar, you will be guided sequentially through the modules — in the same order presented in the live course. Alternatively, you may select the Sampler experience to search and explore specific segments of interest to you. Both options provide the opportunity to learn at your own pace and revisit the modules as needed to grasp these complex concepts.

THE SCHOLAR



THE SAMPLER



[MedtronicAcademy.com/JW](https://www.MedtronicAcademy.com/JW)

Program Outline

The Lecture Series

Explore the following four lectures delivered by the esteemed professors. Each lecture is segmented into three to five modules that can be completed at your own pace. The lectures include:

Bradyarrhythmias and Their Therapy

- Learn about bradycardia, which is caused by conduction disturbances and/or abnormalities in impulse formation.
- Bradyarrhythmias can occur in the sinus node and sino-atrial region, the atrio-ventricular conduction system, or a combination of both.

Wide Complex Tachyarrhythmias

- Learn about wide complex tachycardias, which generally have a QRS width greater than 120 milliseconds.
- This module describes the ECG characteristics that can help diagnose wide complex tachycardias.

Narrow Complex Tachyarrhythmias

- Learn about supraventricular tachycardia (SVT), which is an arrhythmia with atrial and/or ventricular rates in excess of 100 bpm. The mechanism involves tissue from the His bundle or above.
- In this lecture, we review the following types of SVTs: atrial tachycardia, AV nodal reentry tachycardia (AVNRT), atrial flutter and atrial fibrillation, and concealed circus movement tachycardia (CMT).

Pre-excitation Syndrome

- Learn about Wolff-Parkinson-White Syndrome, otherwise known as pre-excitation syndrome.
- Pre-excitation syndrome is a condition when the atrial impulse activates a part of the ventricles earlier than would be expected if the atrial impulse reached the ventricles by way of the normal specific conduction system.

The Guided ECG Analysis Series

Practice interpreting complex ECG tracings by watching Mark Josephson, M.D., and Hein Wellens, M.D., coach fellows in the live course. A total of 56 tracings are organized by the day they were presented in the live program, progressing through increased levels of difficulty.

MedtronicAcademy.com/JW

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710 Medtronic Parkway
Minneapolis, MN 55432-5604
USA

Toll-free in USA: 800.633.8766
Worldwide: +1.763.514.4000

medtronic.com

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