



12-Lead ECG Interpretation Course Calendar

12-Lead ECG Interpretation - Self Directed Learning at Your Own Pace

Master the essential skill of 12-lead ECG interpretation with this comprehensive, self-paced online course designed for healthcare professionals. Whether you're building foundational knowledge or refining advanced interpretation skills, this course provides a clear, structured approach to understanding cardiac rhythms and ischemic patterns with confidence.

Course Highlights:

100% online and self-paced

Arrhythmia descriptions and causes with real ECG tracings

Clear explanations using visual guides and systematic methods

Suitable for all experience levels

Learning Outcomes:

By the end of this course, learners will be able to:

- Explain the basic principles of cardiac electrophysiology and how they relate to ECG waveform generation.
- Identify normal ECG components, intervals, and segments on a standard 12-lead ECG.
- Apply a systematic, step-by-step approach to interpreting 12-lead ECGs accurately and consistently.
- Determine heart rate, rhythm, cardiac axis, and conduction intervals using accepted interpretation methods.
- Differentiate normal variants from pathological ECG findings.
- Recognize atrial, junctional, and ventricular arrhythmias on a 12-lead ECG.
- Identify bundle branch blocks, fascicular blocks, and other intraventricular conduction abnormalities.
- Detect ECG evidence of chamber enlargement and ventricular hypertrophy.
- Interpret ischemia, injury, and infarction patterns, including STEMI and NSTEMI equivalents.
- Prioritize ECG findings that represent emergent or life-threatening conditions.
- Demonstrate improved confidence and accuracy in 12-lead ECG interpretation through case-based analysis.

Course Topics:

There are 7 modules in this program. After every module there is a multiple choice test or assignment. You must receive 50% on the test to progress to the next module. Students will be allowed 3 attempts to pass each test. It is in the best interest of the student if they try the test the first time without looking at their notes. The tests are not meant to be "open book".

Course Fee:

The cost of the course is \$149.00 CAD payable by e-transfer to info@ocht.ca or credit card.

International Students:

This course is self-directed and online so students from outside of Canada are also welcome to enrol.

Enrolment:

Students will be contacted after they have either applied at ocht.ca or requested information.

Who this course is for:

Nurses, paramedics, and EMTs

Physicians, physician assistants, and nurse practitioners

Medical students and allied health professionals

Certificate:

Upon successful completion of this course, the student will be issued a Certificate of Completion.

List of Modules in the Program

1. The Basics
2. The Heart
3. The ECG Complex
4. Making Interpretations
5. Sinus Rhythms and Atrial Arrhythmias
6. AV Blocks and Ventricular Arrhythmias
7. Miscellaneous Arrhythmias