ECGs 101:
A 2-Hour Super-Basic Introduction

Ary L. Goldberger, MD

This 4-part highly interactive course is intended to give clinical caregivers an enhanced understanding of essentials of ECG analysis. Residents, medical students, nurses, cardiac rehabilitation clinicians, as well as those working in telemetry units, emergency departments, intensive care units or other sites where cardiac ECG monitoring is performed, will benefit from this course.

Session 1
Basic Principles: How to Read an ECG
Dates
Tuesday, March 1 (10am-12pm)
Tuesday, March 15 (10am-12pm)

Session 2
Myocardial Ischemia and Infarction
Dates
Tuesday, April 19 (11am-1pm)
Tuesday, April 26 (12pm-2pm)

Session 3
Brady and Tachycardias
Dates
Tuesday, May 3 (10am-12pm)
Tuesday, May 10 (10am-12pm)

Session 4
Avoiding ECG Errors, Stumbles and Fumbles
Dates
Tuesday, June 14 (11am-1pm)
Tuesday, June 28 (12pm-2pm)

Please register early.
Registration is limited
For questions, please call: (617) 667-4267
or E-Mail: kjohnso3@bidmc.harvard.edu

This course provides 2.00 Nursing CEUs.
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Ary L. Goldberger, MD, is Professor of Medicine of Harvard Medical School and Director of the Margret and H.A. Rey Institute for Nonlinear Dynamics in Physiology and Medicine (http://reylab.bidmc.harvard.edu). Dr. Goldberger is also Associate Director, Division of Interdisciplinary Medicine and Biotechnology at Beth Israel Medical Center, Boston, MA and a member of the Cardiovascular Division at BIDMC. He has a longstanding commitment to medical education and is the single-author of two standard textbooks on electrocardiography, which have been translated into multiple languages. Dr. Goldberger and his colleagues have developed the most extensive, free teaching resource for electrocardiography on the Internet: ECG Wave-Maven (http://ecg.bidmc.harvard.edu). He is course director of a number of top-rated Harvard Medical School CME courses on ECG analysis for frontline clinicians. His research is in the cutting edge and interdisciplinary areas of complex and nonlinear systems and he is founding and current Program Director of the NIH-sponsored Research Resource for Complex Physiologic Signals (http://www.physionet.org). He is also an Ellison Medical Foundation Senior Scholar in Aging.

This 4-part course is intended to give students and clinicians in medicine and nursing a brief, but comprehensive introduction to:

• **Basic ECG Principles**  • This session will introduce the “just the essential” of reading ECG graphs, the very basic physiology and how to systematically interpret and make vital measurements. It will also show how the normal ECG patterns can be predicted from a few simple principles.

• **Myocardial Ischemia and Infarction**  • This session will focus on one of the most important topics in clinical ECGs—the recognition of ischemia and infarction. It will discuss the differential diagnosis of ST elevation MI and also some of the patterns that can be confused with MI (e.g., normal variants and pericarditis).

• **Overview of Bradycardias and Tachycardias**  • This session will give an overview of the major cardiac arrhythmias and conduction disturbances that can cause a dangerously slow or fast rate. The topics include sinus node dysfunction, heart block, atrial fibrillation and flutter, PSVTs and ventricular tachycardia.

• **Avoiding ECG Errors, Stumbles and Fumbles**  • This final session will emphasize the uses and the limits of reading ECGs and some common errors that must be avoided. The focus is on “must-know” findings. Unknown ECGs will be presented for illustration and discussion.

We have a no refund policy – however you can transfer your tuition to another course that has space available.

Registration Form  ECGs 101: A 2-Hour Super-Basic Introduction

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Tuition Fee:  ❑ $50 (USD) per class. Check or money order ONLY.
Please make check payable to: BIDDM (Beth Israel Deaconess Dept. of Medicine)
Mail to: Kathy Johnson, BIDMC, 330 Brookline Ave., GZ-435, Boston, MA 02215

Full Name ________________________________ ________________ ________________
Last                     First                     Middle Initial

Mailing Address
Street ________________________________ City ________________________________ State Zip

Daytime Phone (_____) ________________________________ Degree ________________________________

E-Mail Address ________________________________

For questions, please call Kathy Johnson at 617-667-4267.
You will receive an email confirmation once your registration is received.