UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Reading and Interpretation of E.c.g

2425-2-I0101D107

Aims

Recognize the main changes in heart rhythm, characteristic elements related to ischemic pictures and metabolic changes
Adopt a structured method for the recognition of major electrocardiographic changes
Know the main applications of standard electrocardiogram and electrocardiographic monitoring systems
Use the information provided by the electrocardiogram for nursing planning

Contents

Basic ECG concepts and approach to normal rhythm analysis, algorithmic diagnostics for rapid analysis and rapid rhythm recognition

Detailed program

Outline of cardiac electrophysiology
Principles of electrocardiography: Einthoven theory and other derivations
Characteristics of the main electrocardiographic panels related to arrhythmias, ischemic pictures and metabolic changes
Method for electrocardiogram analysis
Discussion and conclusion of the course

Prerequisites

Enrolling in the 2nd-3rd year of the Bachelor’s Degree in Nursing

Teaching form

Face-to-face teaching – frontal lectures and tutorials

Textbook and teaching resource

Il cuore - fisiologia, dalla cellula alla circolazione, Opie L. H. (2000), CIC edizioni internazionali, Roma.
Interpretazione dell’ECG, Dubin D. (2000) Monguzzi Editore, Bologna.
Ion adventure in the heartland Dubin D. (2003), Cover Publishing Company.
M.G. Abrignani, F.Angeli, G.Bagliani, G.F. Mareddu, G.Satullo, M.Uguccioni, P.Verdecchia (2005) Elettrocardiografia di base nella pratica clinica: rischio cardiovascolare e danno d’organo, A.N.M.C.O., Firenze.
The effectiveness of an education program on nurses’ knowledge of elettrocardiogram interpretation – Huajung Zhang, Lily Lihwa international emergency nursing (2013) 247 – 251.
Update to Practice Standards for Electrocardiographic Monitoring in Hospital Settings: A Scientific Statement From the American Heart Association – Circulation Volume 136, Issue 19, 7 November 2017; Pages e273-e344.

Semester

Second semester

Assessment method

Frequency

Office hours

By appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING