

Discipline MCP5891
Innovation and Applicability of Electrovectorcardiography to Recognize Electrical Heart Diseases

Concentration area: 5131

Creation: 21/01/2021

Activation: 21/01/2021

Credits: 2

Workload:

Theory (weekly)	Practice (weekly)	Study (weekly)	Duration	Total
10	10	10	1 weeks	30 hours

Professors:

Carlos Alberto Pastore

Nelson Samesima

Objectives:

OBJECTIVE: The aim of this discipline is to define the new concepts of the electrical diseases of the heart, using Electrovectorcardiography as a tool.

Rationale:

RATIONALE: During the last decades Molecular Biology, Genetics and Electrophysiology brought many subsidies to the knowledge on the basics of the electrical heart diseases. Thus, many electrocardiographic concepts have been renovated and new information has been suggested.

Content:

CONTENT: Introduction to electrovectorcardiography: concepts and applicability. Ventricular repolarization: definition, evaluation and diagnostic significance of alterations. Electrical heart diseases: concepts, diagnosis and management. Example of the Brugada syndrome. The electrical diseases and their repercussions on the heart activity.

Type of Assessment:

EVALUATION: Presentation of seminars, discussion about the practice, tests.

Notes/Remarks:

NOTE: Minimum number of students: 05 Maximum number of students: 10

Bibliography:

1. Braunwald - Tratado de Doenças Cardiovasculares, 9ª edição. 2. Tranchesi - Eletrocardiograma Normal e Patológico. Moffa PM e Sanches P; Ed. Roca. 3. Pastore CA,

Samesima N, Munerato R – ABC do ECG. 6ª edição. 4. III Diretrizes da Sociedade Brasileira de Cardiologia sobre Análise e Emissão de Laudos Eletrocardiográficos (2016). Arq Bras Cardiol 2016; 106(4Supl.1):1-23. 5. II Diretrizes Brasileiras de Fibrilação Atrial. Arq Bras Cardiol 2016; 106(4Supl.2):1-22. 6. 7ª Diretriz Brasileira de Hipertensão Arterial. Arq Bras Cardiol 2016; 107(3Supl.3):1-83. 7. Eletrocardiografia Atual – Curso do Serviço de Eletrocardiografia do InCor. Carlos Alberto Pastore, Nelson Samesima, Nancy Tobias, Horacio G. Pereira Filho (eds), 3ª edição. São Paulo: Editora Atheneu, 2016. 8. Aplicabilidade do Eletrovetorcardiograma na Atual Prática Clínica – Um Retrato Preciso da Ativação Elétrica Cardíaca. Applicability of the ElectroVectorcardiogram in Current Clinical Practice. Arq. Bras. Cardiol. 2019; 113(1): 87-99.

Languages taught:

Portuguese