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REGISTRATION FEE

RM1,590 (inclusive of 6% GST)



IJN COLLEGE
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INSTITUT JANTUNG NEGARA
National Heart Institute

REGISTRATION

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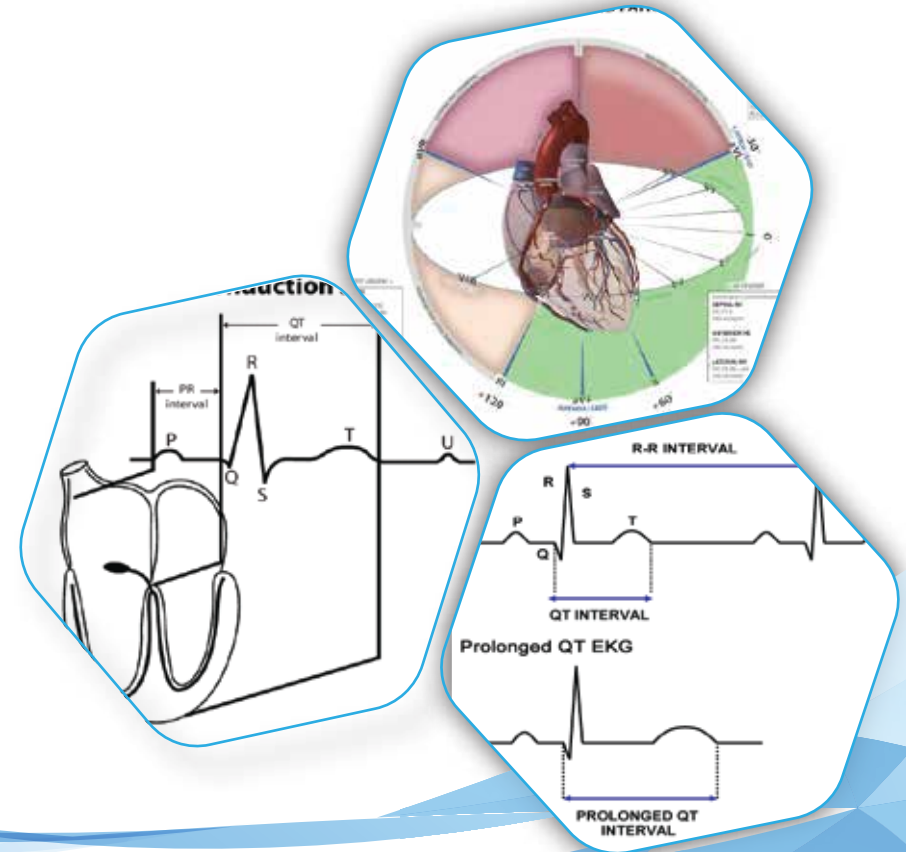
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ECG COURSE FOR BEGINNERS

IJN COLLEGE
13th September 2017

INTRODUCTION

Electrocardiogram (ECG) is no longer isolated to critical care areas. In today's hospitals, ECG monitoring is utilized throughout the healthcare facility. It is a vital component of care provided by healthcare professionals and provides us with an enormous amount of clinical information.

This short course reviews the main features of ECG monitoring, a method for analysing and assessment of the rhythm, calculating p-waves, forms, measurement of interval and evaluation of other relevant waves

OBJECTIVES

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

- Identify components of the ECG wave form
- Employ a systematic process to evaluate and analyse ECG rhythm strips
- Understand the common causes and patient management strategies for ECG dysrhythmias

BENEFICIAL TO

Doctors, Nurses and Allied Healthcare Professionals.

AWARD

- Certificate of Completion.

DURATION

Three months (2 hours a week - every Wednesday).

VENUE

Computer Lab, IJN College.

THE FACULTY

Dr Aslannif Roslan
Tay Giat Sing
Thavarasa Navaratnam

ENQUIRIES

Contact Person:

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OUTLINE TOPICS

1. PRINCIPLES OF ELECTROCARDIOGRAPHY

- Pre Assessment
- History and what the ECG is about
- Basic ECG Equipment
- ECG Waves & Intervals - normal/abnormal
- Types of leads - unipolar, bipolar, precordial leads, limb leads
- Vectors and axis
- Strategy to reduce artifacts
- Equipment maintenance

2. PRACTICAL ASPECT OF ECG RECORDING

- Identify 3/5 leads monitoring
- Patient preparation
- Appropriate leads & equipment attachment
- Electrical safety
- Distinguish electrical interference & artifacts

3. CONDUCTION AND AV HEART BLOCKS

- Right and Left Bundle Branch Blocks
- First degree, Second Degree Type I & II, Third Degree heart block

4. ARRHYTHMIA INTERPRETATION & MANAGEMENT

- Brady / Tachyarrhythmia
- SVT, AF, VT/VF, Sinus Arrhythmias, Atrial Flutter
- Atrial & Ventricular Escape/Extrasystole Rhythms
- WPW
- Arrhythmia management
- Sinus Arrest

5. MYOCARDIAL INFARCTIONS/ISCHEMIA

- Acute ST-segment myocardial infarction (anterior, lateral, inferior, septal) and reciprocal
- ST depressions
- T-wave inversions (ischemia)
- Primary ST segment infarction (subendocardial ischemia or infarction)
- Left & right atrial/ventricular hypertrophy

6. 12-LEAD INTERPRETATION OF ECG GRAPH & ABNORMALITIES

7. PACING RHYTHMS & INTERVENTIONS

- Post Assessment