

# EMC114

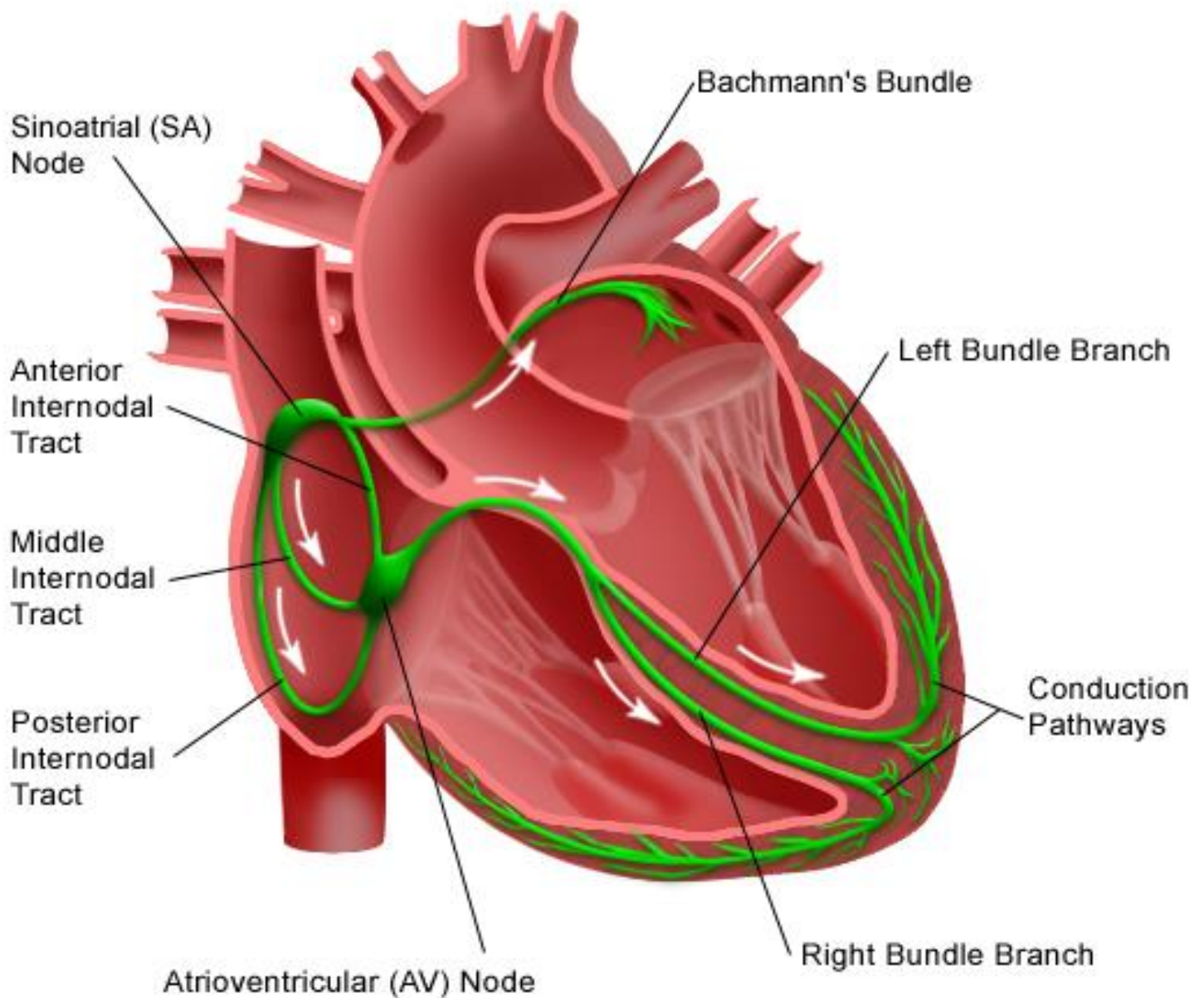
## Basic Arrhythmia Recognition

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Only

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### Electrical System of the Heart



## Overview

Upon completion of this class, the student will be able to identify structures of the heart and their basic function, describe the cardiac cycle, conduct a basic rhythm strip analysis, identify approximately 25 arrhythmias and discuss possible Nursing/First Responder/EMT medical interventions.

## Goals

Refer to class schedule for class topic

## Topics and Scope

1. Overview-Cardiac Anatomy/Physiology, Blood Supply, Cardiac Conduction System
2. Monitors and Lead Placement
3. EKG Interpretation-Waveforms and measurements, Analysis of EKG rhythm strips
4. Cardiac Rhythms including Sinus, Atrial, Junctional and AV Blocks, Ventricular, and Pacemakers

## Evaluation

1. Read chapters associated with each module
2. Identify and complete 25 rhythm strips per class module with active **completion and submission** of rhythms in textbook
3. Successful completion of all exams

## Materials

ECG Workout-Exercises in Arrhythmia interpretation, Seventh Ed.

## Calipers

Exams-Refer to Class Schedule

**Quiz-#1 - 5% of total grade**

**Quiz #2 - 10% of total grade**

**Quiz #3 – 15% of total grade**

**Midterm - 20% of total grade**

**Final Exam - 50% of total grade**