



Cardiology Update

Case study 1

Patient History

You are dispatched to a 55yrs old male sitting on a bench in a park. He appears clammy and is experiencing some shortness of breath. He describes a severe ache in the middle of his chest The sensation began about an hour ago. It is unlike any other discomfort that he has experienced and has become progressively more severe. It does not radiate.

Cardiac risk factors: Ex-smoker, positive family history and hypertension

Associated symptoms: dizzy, mild dyspnoea and nausea

Primary Survey

Airway – clear

Breathing – increase in depth and rate, BS clear

Circulation – bounding radial 80 bpm

Disability – Alert eyes pearl

Vitals signs: RR 24, HR 80, BP 170/100, Temp 36.3

S – pale, sweaty, SOB

A – NKA

M – Perinopril (blood pressure)

P – Hypertension

L – Tea and light snack 2hrs ago

E – Running in park with dog

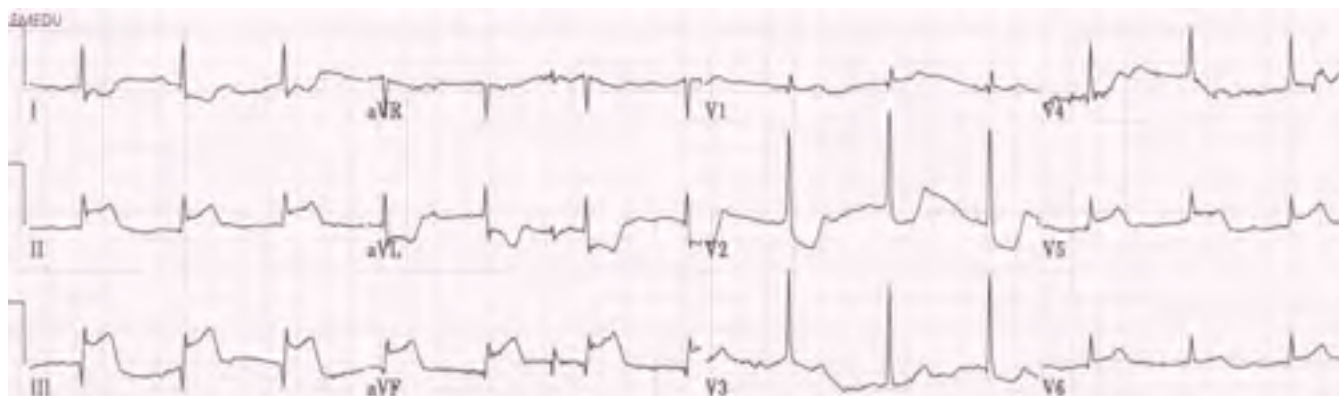


This information is intended to for use as an educational tool during Part1 of the Advanced Paramedic Upskilling Programme to the 3rd Edition of the PHECC CPG's





Page 2 of 8
Case study 1
55yr old male



- What is the rate and rhythm?
- What changes are on this ECG?
- How would you treat this patient?
- What is your differential diagnosis?



This information is intended to for use as an educational tool during Part1 of the Advanced Paramedic Upskilling Programme to the 3rd Edition of the PHECC CPG's





Cardiology Update

Case study 2

Patient History

You are dispatched to the car park of a shopping centre for a 66yr old lady. She appears to be acting confused and bystanders report that she was unresponsive for a couple minutes prior to your arrival. Patient tells you that she has difficulty breathing and feels nauseous. She denies having any chest pains.

Primary Survey

Airway – clear

Breathing – increased in depth and rate BS Bilateral end-inspiratory crackles

Circulation – 41bpm weak irregular

Disability – voice, eyes equal and sluggish to react to light (4mm)

Exam - felt weak after shopping

Vital Signs: RR 26, HR 41 weak irregular, BP 80/50, Temp 36.7

ECG –

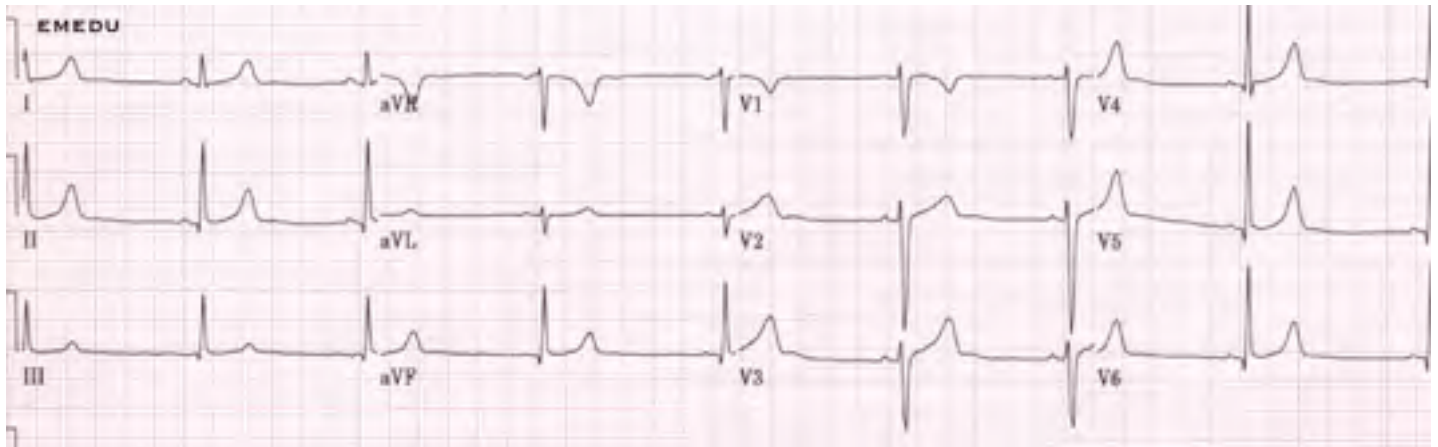


This information is intended to for use as an educational tool during Part1 of the Advanced Paramedic Upskilling Programme to the 3rd Edition of the PHECC CPG's





Page 4 of 8
Case study 2
66yr old female



What is the rate?

What is the rhythm?

What are the features of this ECG?

Is this patient symptomatic?

How would you treat this patient?



This information is intended to for use as an educational tool during Part1 of the Advanced Paramedic Upskilling Programme to the 3rd Edition of the PHECC CPG's





Cardiology Update

Case study 3

Patient History

You are dispatched to the home of a 48 year old female. The patient fainted after returning home from a day's shopping with her niece. Patient tells you she felt "a little flutter" in her chest while sitting on her sofa and then "blacked out".

She now feels well and is somewhat embarrassed at all the attention but reluctantly submits to an exam.

On examination you find the following:

Primary Survey

Airway – clear

Breathing – 24, BS clear

Circulation – regular 50 bpm

Disability – Alert eyes pearl

Vital signs: RR 24, HR 50, BP 132/90, Temp 36.3

ECG

S – feels faint

A – NKA

M – None

P – None brother died 2years ago of MI

L – Cup of coffee 1hrs ago

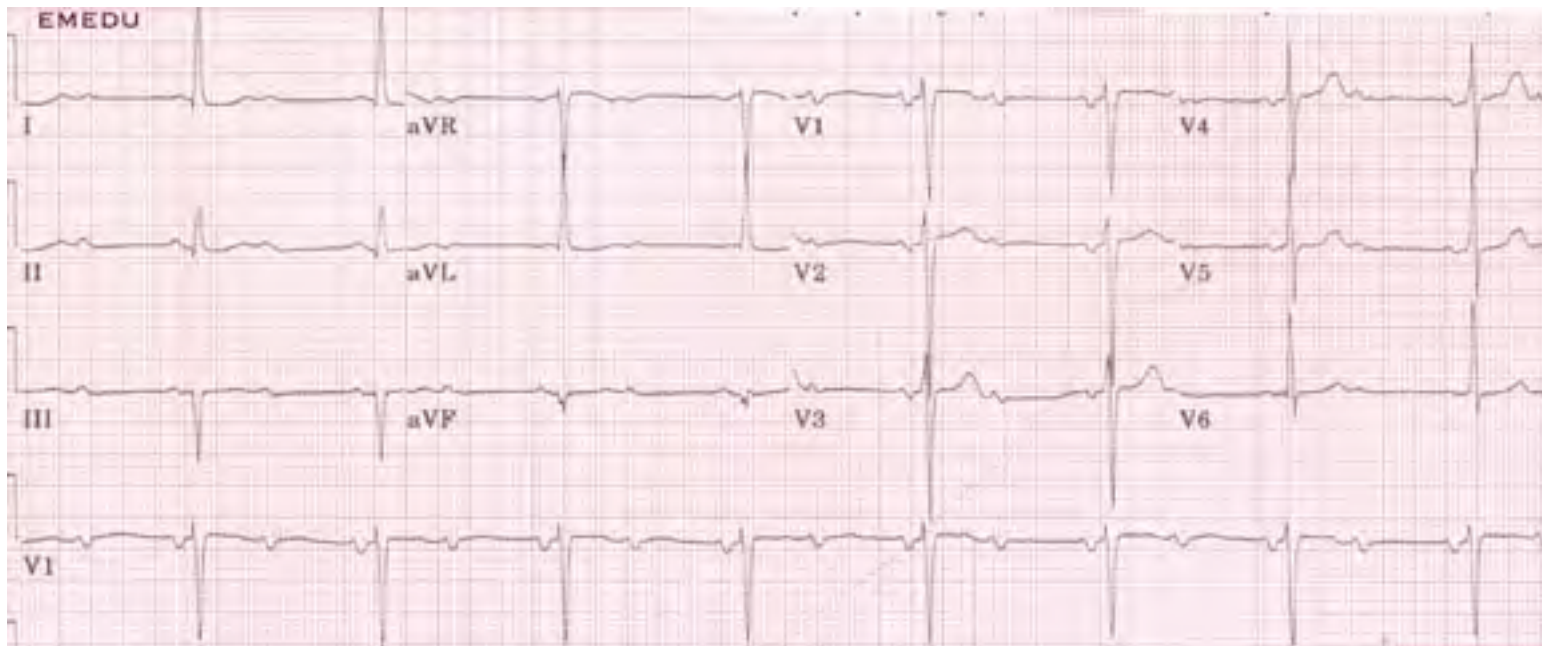
E – Shopping with Niece





Case study 3

48 yr old female



What is the rate?

What is the rhythm?

What are the features of this ECG?

Is she symptomatic?

How would you treat this patient?



This information is intended to for use as an educational tool during Part1 of the Advanced Paramedic Upskilling Programme to the 3rd Edition of the PHECC CPG's





Cardiology Update

Case study 4

Patient History

You are dispatched to a 78yrs old male sitting in a restaurant. He has been having intermittent “indigestion like” symptoms for the past 2 days, lasting minutes. This episode has lasted 40 minutes. He has had no relief from Rennie's tablets. He appears pale, sweaty and is experiencing some shortness of breath. He says he has no pain or discomfort but that he is feeling sick.

Primary Survey

Airway – clear

Breathing – increase in depth and rate, BS clear

Circulation – bounding radial 78 bpm

Disability – Alert eyes pearl

Vitals signs: RR 22, HR 78, BP 170/100, Temp 36.3

ECG 12 lead supplied

S –nausea/ SOB

A – NKA

M – nu-seal aspirin, coversyl, insulin, GTN,

P – Angina, IDDM

L – lunch 30mins ago

E –sitting in restaurant

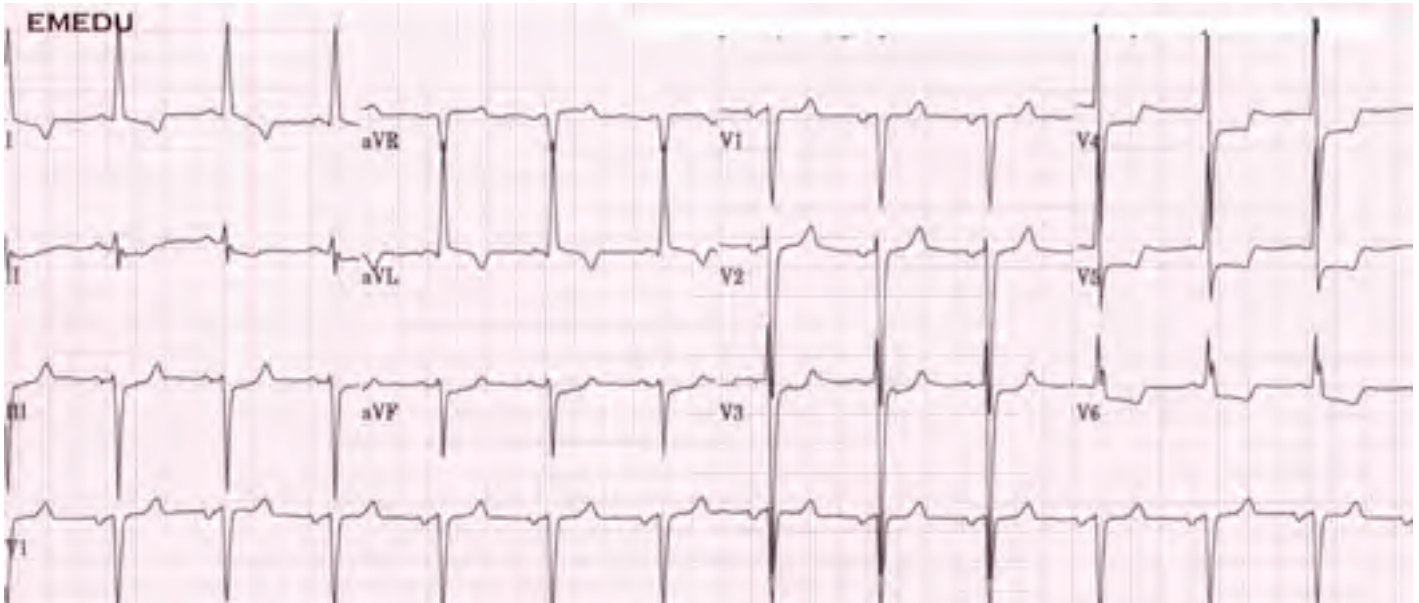


This information is intended to for use as an educational tool during Part1 of the Advanced Paramedic Upskilling Programme to the 3rd Edition of the PHECC CPG's





Page 8 of 8
Case study 4
78 yr old male



What is the rate?

What is the rhythm?

What changes are on this ECG?

How would you treat this patient?



This information is intended to for use as an educational tool during Part1 of the Advanced Paramedic Upskilling Programme to the 3rd Edition of the PHECC CPG's

