

## Kijabe OPD Guidelines

# **Palpitations**

_						
$\Gamma$	uses	<b>^</b> +	2	nita	tio.	2
La	uses	UI	va	IDILO	ILIU	шэ

Cardiac arrhythmias Extra-systoles (ventricular or supraventricular); tachycardias (ventricular or supraventricular, includes AFib and

atrial flutter); bradyarrhthmias (sinus bradycardia, av block – less likely to be perceived as palpitations)

Structural heart disease Valvular pathology, congential heart disease, cardiomyopathy, heart failure

Psychosomatic causes Anxiety, panic, somatisation disorders, depression

Systemic causes Hyperthyroisdism, hypoglycaemia, fever, anaemia, pregnancy, menopause, postual orthostatic hypotension

syndrome, phaechromocytome, hypovolaemia

Medication, illicit drugs

and substances

Sympathomimetic agents (beta-agonists e.g. salbutamol; antimuscarinics e.g. amitriptyline; vasodilators e.g. calcium channel inhibitors; drugs which can prolong QT interval e.g. erythromycin); withdrawal of beta-blockers, alcohol, nicotime, illicit drugs (cocaine, cannabis, amphetamines); caffeine (cola, coffee, tea, energy-drinks)

#### **HISTORY**

Nature and frequency of palpitations:

**Palpitation triggers** 

Severity

**PMH** 

Red flags!

on ECG

pre-syncope

**Associated symptoms** 

What so they mean by palpitations? *Check that the patient is describing actual palpitations and not* 

chest discomfort from other conditions (dyspepsia, angina)

Fast, irregular or missed beats? Ask patient to tap out the rhythm; How often do they occur?

How long do they last? How do they end?

can they be provoked? When do they occurs? (Palpitations during/after exertion suggest serious

pathology e.g. cardiomyopathy, ischaemia)

syncope or near-syncope? (indicates serious pathology); chest pain, sweating or breathlessness? Fever

can the patient carry on as normal or do they need to sit/lie down?

conditions associated with tacharyythmias (anaemia, thyrotoxicosis); conditions associated with A Fib (hypertension, heart failure, CAD, valvular disease, diabetes, obesity, sleep apnoea, alcohol misuse)

Drug history
Social history/mental health Excess alcohol, caffeine,

Family History

• Palpitations during exercise

Palpitations with syncope or

2<sup>nd</sup> or 3<sup>rd</sup> degree heart block

• FH sudden cardiac death

Excess alcohol, caffeine, illicit drugs (amphetamine, cocaine); worry/anxiety/mood, insomnia, smoking Any sudden cardiac death, especially <40y

#### **EXAMINATION**

check pulse carefully – rate, rhythm, character; BP – sitting and standing, pallor, heart position, heaves/thrills/murmurs, any sign of heart failure, signs of thyroid disease,

## **INVESTIGATIONS**

**Bloods** - CBC (anaemia, infection), creatinine, Na, K, TSH **ECG** - Look for AFib or flutter; 2<sup>nd</sup> or 3<sup>rd</sup> degree heart block; MI; LVH; LBBB; abnormal T waves or ST segments; pre-excitation – WPW pattern of a slow rise in the intial portion of the QRS (delta wave); abnormal QTc interval

### Discuss with consultant if:

- Any red flag symptoms
- · Other ECG abnormalities
- Associated symptoms such as chest pain or dizziness
- History or recurrent sustained tachyarrythmia
- Clear history of SVT
- Referral to cardiologist being considered

Serious cardiac pathology (or suspicion of) Discuss with consultant for admission or urgent cardiology referral Driving advice – should not be driving

Ongoing concern and need for ambulatory monitoring - refer to cardiologist. Driving advice – should not be driving Underlying treatable cause found e.g. AFib, hyperthyroidism, anaemia, anxiety – see relevant guidelines and continue management

**Low risk features** – usually extrasystoles or sinus tachycardias

- Isolated palpitations, not provoked by exercise and not associated with symtpoms such as dizziness, syncope, persitent breathlessness, chest pain
- No history or signs of structural cardia disease, heart failure, hypertension
- No FH sudden cardiac death
- Normal ECG

No further investigations required; reassure

