

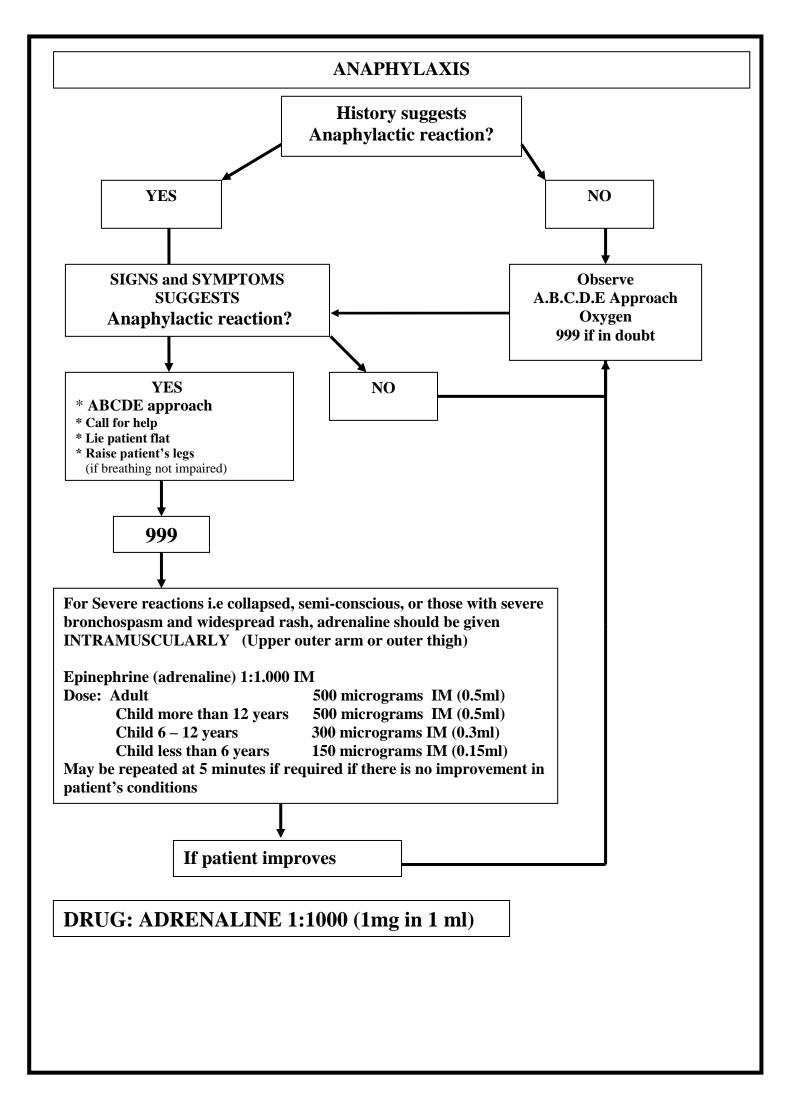
Addysg a Gwella Iechyd Cymru (AaGIC) HS Health Education and Improvement Wales (HEIW)

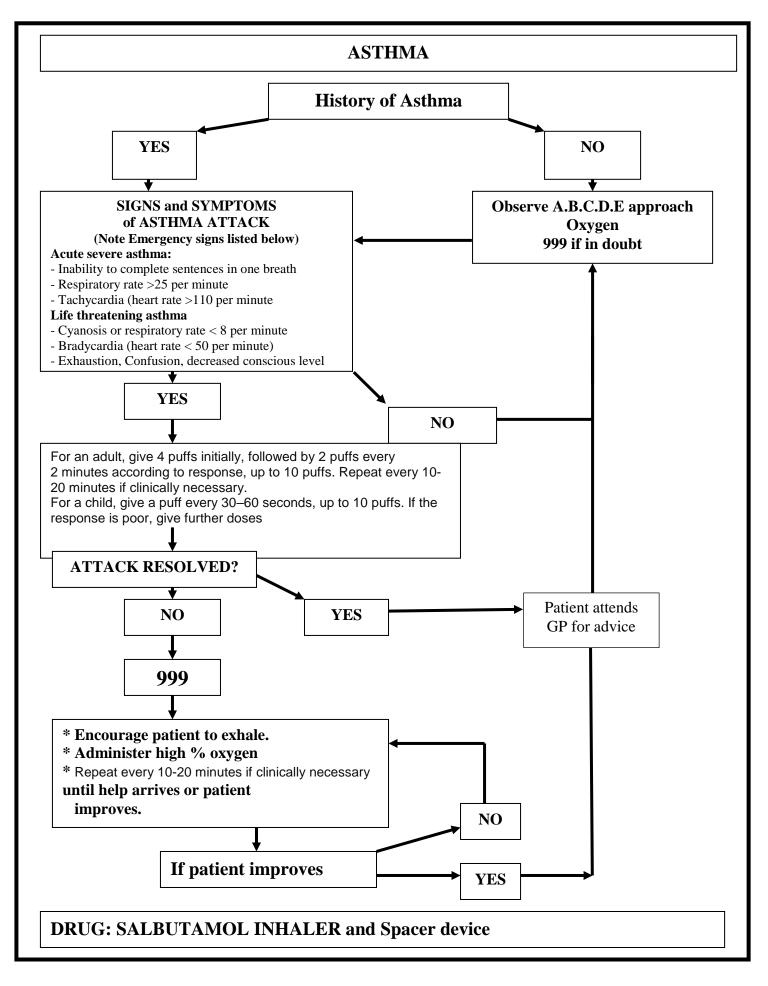
DENTAL POSTGRADUATE SECTION

MEDICAL EMERGENCIES IN THE DENTAL PRACTICE

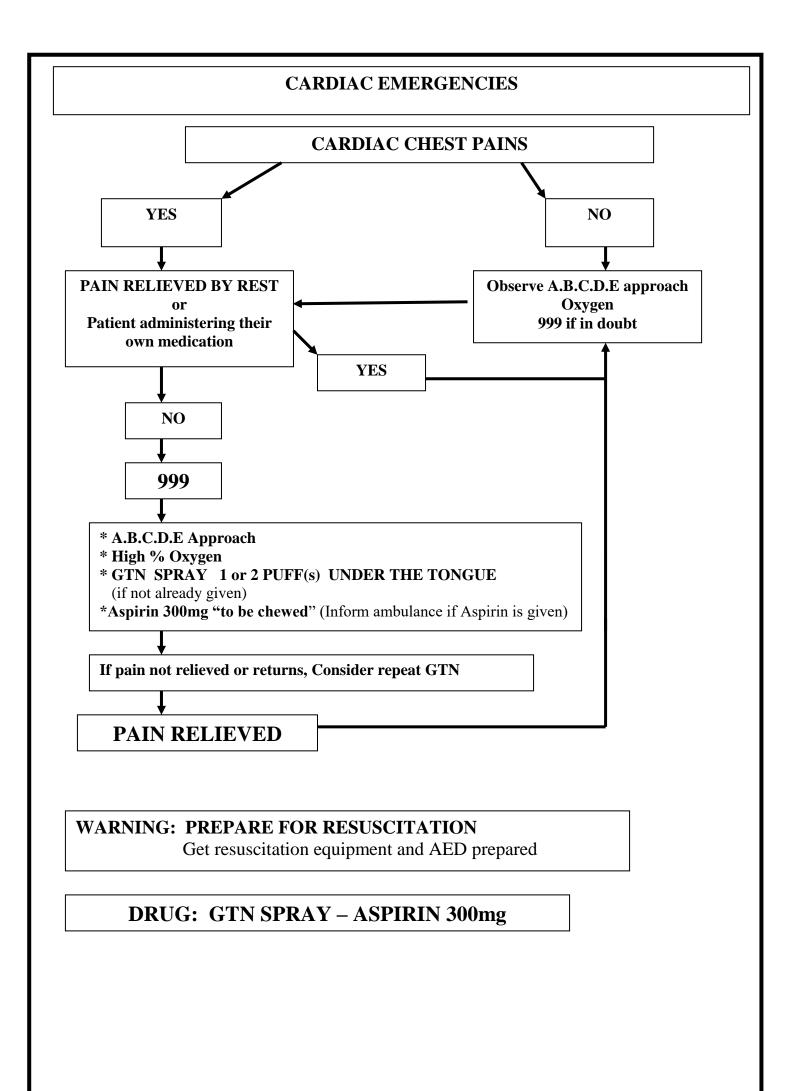
FLOWCHARTS

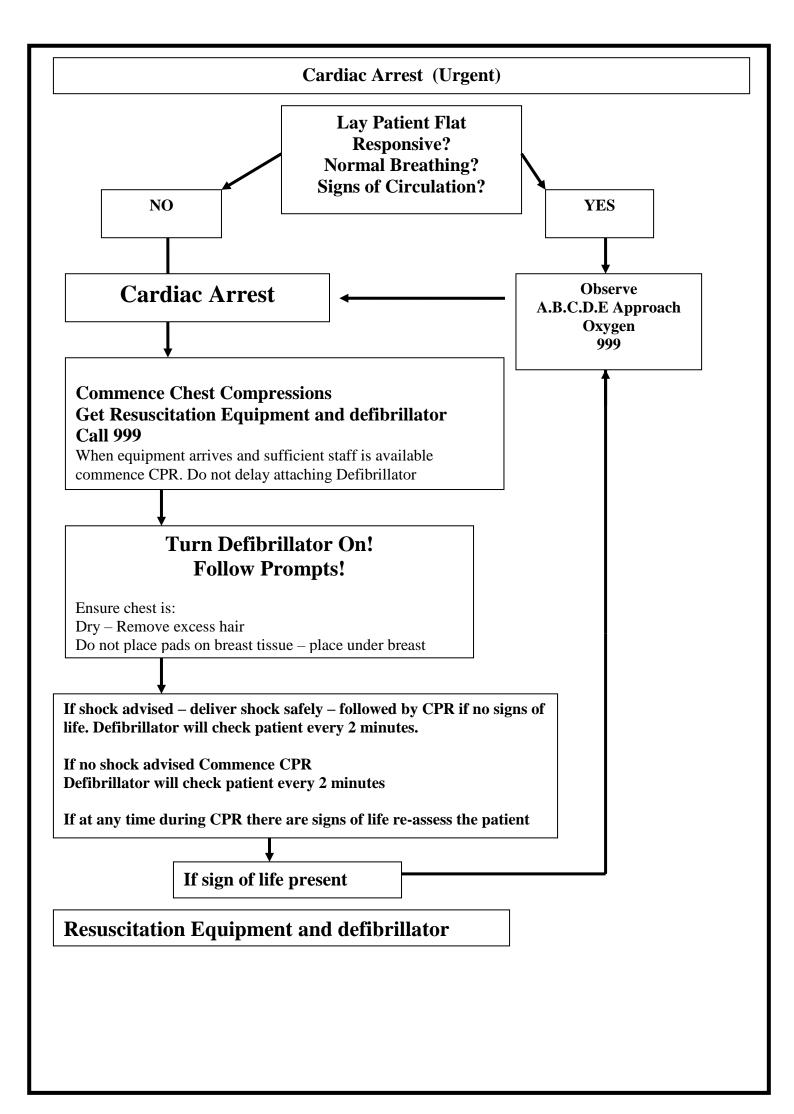
These flowcharts were originally composed by the Resuscitation Department in Cwm Taf LHB and have been updated and ratified by the Dental Postgraduate, HEIW Resuscitation Officer Advisory Group, August 2019

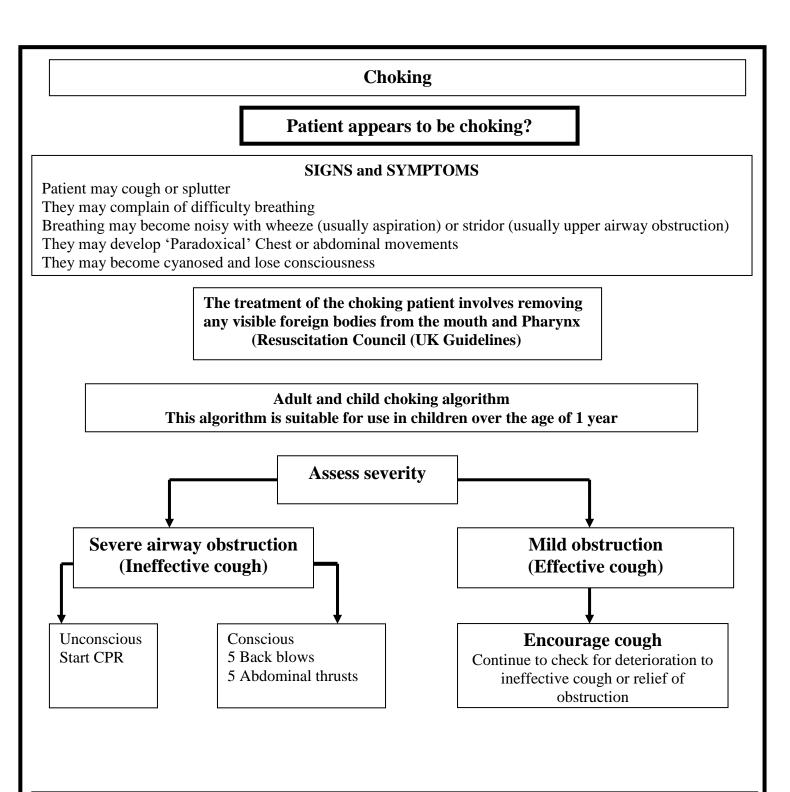




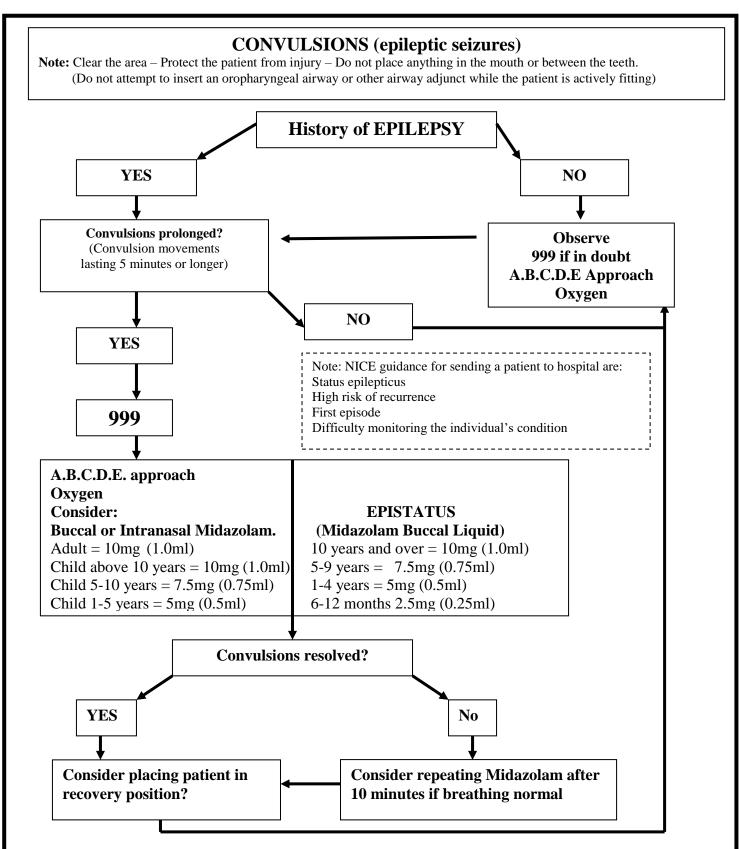
Reference: https://cks.nice.org.uk/asthma#!scenario:2





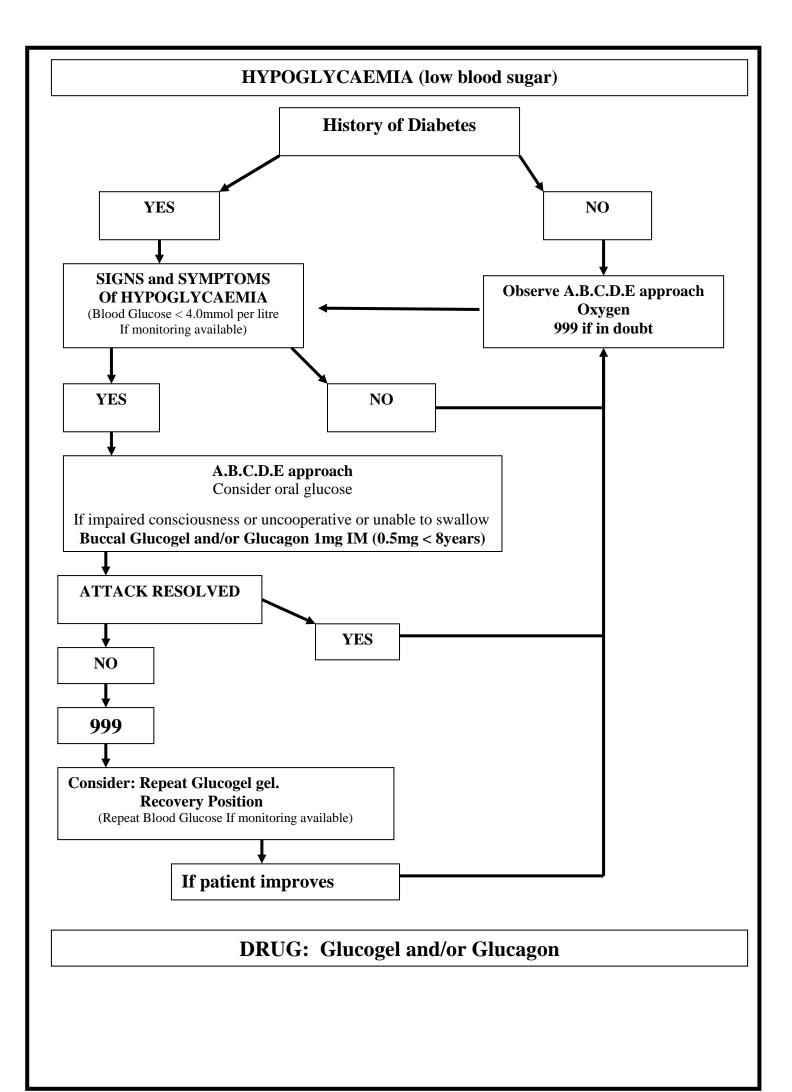


- in cases of aspiration allow the patient to cough vigorously
- Symptomatic treatment of wheeze with salbutamol may help (as for asthma)
- If any large pieces of foreign material have been aspirated, e.g., teeth or dental amalgam, the patient should be referred to hospital for a chest x-ray and possible removal
- Where the patient is symptomatic following aspiration they should be referred to hospital as an emergency



Note: Be prepared to assist with respirations if required – Consider Hypoglycaemia?

DRUG: Midazolam 10mg/ml or Epistatus Buccal Liquid 10mg/ml



Syncope (fainting)

SIGNS and SYMPTOMS

Patient feels faint / dizzy / light headed Slow pulse rate Low blood pressure Pallor and sweating Nausea and vomiting Loss of consciousness

Treatment

Lay the patient flat as soon as possible (*For pregnant patients also use left lateral tilt*) Raise their legs to improve venous return Loosen any tight clothing, especially around the neck Give Oxygen (15 litres per minute)

If any patient becomes unresponsive, always check for 'signs of life' and start CPR in the absence of signs of life or absence of normal breathing. (ignore occasional 'gasps')

Other possible causes

• **Postural hypotension** can be a consequence of rising abruptly or of standing upright for too long. Several medical conditions, including pregancy predispose patients to hypotension with the risk of syncope. The most common culprits are drugs used in the treatment of high blood pressure, especially the ACE inhibitors and angiotensin antagonists. When rising, patients should take their time. Treatment is the same as for a vasovagal attack.

• Under stressful circumstances, many anxious patients **hyperventilate**. This may give rise to feelings of light headedness or faintness but does not usually result in syncope. It may result in spasm of muscles around the face and of the hands. In most cases reassurance is all that is necessary.

Stroke

Assess Danger, Response, Airway, Breathing, Circulation, Disability

> Retrieve patient clinical record if available Identify any known history of stroke/CVA Identify risk factors: patient on warfarin/heparin, clotting disorders etc?

SIGNS and SYMPTOMS

FACE	Can the person smile? Has their face fallen on one side?
ARMS	Can the person raise both arms and keep them there?
SPEECH	Can the person speak clearly and understand what you say? Is their speech slurred?
TIME	IF YOU SEEN ANY OF THESES SIGNS RING 999

Act FAST and call 999.



Treatment:

Call 999

- Administer high flow oxygen, if required (SATS <95%)
- Support respiration if required
- Keep patient comfortable and warm
- Continue to monitor ABCD

Sepsis

Sepsis can be especially hard to spot in:

- babies and young children
- people with dementia
- people with a learning disability
- people who have difficulty communicating

Who's at risk?

Anyone can develop sepsis after an injury or minor infection, although some people are more vulnerable. People most at risk of sepsis include those:

With a medical condition or receiving medical treatment that weakens their immune system such as chemotherapy or long-term steroids

Who are already in hospital with a serious illness.

Who are very young or very old.

Who have just had surgery or who have wounds or injuries as a result of an accident.



flu, gastroenteritis or a chest infection. Sepsis affects 150,000 people every year in the UK.

The UK Sepsis Trust registered charity number (England & Wales) II58843

