

MEDICAL EMERGENCIES IN THE DENTAL PRACTICE

MEDICAL EMERGENCY	SIGNS & SYMPTOMS	MANAGEMENT
Adrenal crisis	- Collapse; pallor, cold & clammy skin - Hypotension & dizziness - Vomiting & diarrhoea	Airway Breathing Circulation Disability Exposure - Call 999, state "Addisonian crisis", SBAR - Lie flat; administer oxygen 15 litres/min - Patient's hydrocortisone emergency kit at hand; hydrocortisone 100mg IM
Anaphylaxis	- Signs & symptoms can include: - Sudden onset - Urticaria &/or angioedema; flushing & pallor - Respiratory distress, stridor, wheeze &/or hoarseness - Hypotension & tachycardia - Anaphylaxis likely: - Sudden onset & rapid progression of symptoms - Life-threatening A &/or B &/or C - Skin &/or mucosal changes	Airway Breathing Circulation Disability Exposure - Call 999, state "Anaphylaxis", SBAR - Lie flat, elevate legs (if breathing not impaired); administer oxygen 15 litres/min - Administer adrenaline 500 micrograms IM (0.5ml of 1:1000) - Repeat adrenaline at 5 minute intervals until an adequate response Paediatric doses of adrenaline: < 6 yrs - 150 micrograms (0.15ml of 1:1000); 6-12 yrs - 300 micrograms (0.3ml of 1:1000); > 12 yrs - 500 micrograms (0.5ml of 1:1000)
Asthma	- Breathlessness & expiratory wheeze - Spitting; inability to complete sentences in one breath, RR>25/min, pulse>110/min - Life threatening: cyanosis or RR<8/min, pulse < 50/min, exhaustion, confusion, decreased level of consciousness	Airway Breathing Circulation Disability Exposure - Sit upright; if available, follow patient's personalised asthma action plan (PAAAP) 2 puffs (100 micrograms/puff) (2 bronchodilator inhaler e.g. salbutamol; repeat doses may be necessary (early use of spacer device) - Unsatisfactory/no response or if severe/ life threatening: Call 999, SBAR - While awaiting ambulance: oxygen 15 litres/min; (2 bronchodilator via spacer given one puff at a time, inhaled separately using tidal breathing; according to response, give another puff every 60 seconds up to a maximum of 10 puffs
Cardiac Emergencies	- Symptoms can vary but commonly: - Chest pain or discomfort that suddenly occurs and doesn't go away; it may feel like pressure, squeezing or heaviness in your chest - Pain that may spread to your left or right arm or may spread to your neck, jaw, back or stomach - Feeling sick, sweaty, light-headed or short of breath NB: Heart attacks in women commonly missed	Airway Breathing Circulation Disability Exposure - Call 999, state "Heart attack", SBAR - Comfortable position (usually sitting up) - GTN spray 400-500mcg (typically 1-2 activations) sub-lingual - Dispersible aspirin 300 mg to chew (unless there is clear evidence of allergy to it) NB Known angina: sit down, rest, GTN; no relief after a few minutes repeat GTN. Still no relief after a few minutes – heart attack protocol: call 999, SBAR & aspirin (see above)
Epileptic seizures	- Sudden collapse & loss of consciousness - Rigidity & cyanosis - Jerking movements of limbs - Noisy breathing - Tongue may be bitten - Frothing at mouth - Incontinence may occur	Airway Breathing Circulation Disability Exposure - Safe environment; prevent injury; do not put anything into mouth, do not restrain - Administer oxygen 15 litres/min; note timing of seizure - Once jerking movements cease: recovery position - If available, follow Patient's Treatment Plan; Call 999 if necessary, SBAR Prolonged convulsive seizures (5 minutes or more) or repeated rapidly: Midazolam oromucosal solution can be given via the buccal route in adults as a single dose of 10mg (concentrated in adults) (BNF, 2020) Paediatric doses of midazolam oromucosal solution: 1-4 years- 5mg, 5-9 years-7.5mg, 10-18 years -10mg
Hypoglycaemia	- Shaking/trembling - Slurred speech & vagueness - Sweating & pallor; blurred vision - Tiredness/Lethargy - Confusion/agitation - Strophia/mood - Unconsciousness	Airway Breathing Circulation Disability Exposure - Offer 15-20g quick acting carbohydrate e.g. 4-5 Glucotabs® or 1.5 - 2 tubes of Glucogel - Impaired consciousness/unable to swallow safely or unconscious: - Call 999, SBAR, recovery position, glucagon 1mg IM - Once consciousness returns, offer oral carbohydrate - If able, measure blood sugar to help confirm correct diagnosis Paediatric dose of glucagon: < 6 years of age or < 25kg: 0.5mg IM
Red Flag Sepsis	In the context of presumed infection, if patient looks very unwell, family or carer is very concerned, there is ongoing deterioration or if physiology abnormal for this patient (check HR, SpO2 & BP): is ONE red flag present: - New deterioration in GCS/ AVPU - Systolic BP <90 mmHg (or 240 mmHg < normal) - Heart rate >130 per minute - Respiratory rate >25 per minute - Needs oxygen to keep SpO2 92% (88% in COPD) - Not-blanching rash or mottled/ ashen/ cyanotic - Not passed urine in last 18 hours - Recent chemotherapy (within last 6 weeks) NB Refer to age-appropriate GDP Sepsis Decision Tool for guidance in children < 12 years of age	Airway Breathing Circulation Disability Exposure - Refer to GDP Sepsis Decision Support Tool For Primary Dental Care (≥ 12 years of age) - Call 999, state "Red Flag Sepsis", SBAR - Oxygen 15 litres/min - Ensure paramedics pre-alert as "Red Flag Sepsis" NB Refer to age-appropriate GDP Sepsis Decision Tool for guidance in children < 12 years of age
Stroke	Facial weakness Arm weakness Speech problems Time to call 999	Airway Breathing Circulation Disability Exposure - Act FAST & call 999; SBAR - Administer oxygen 15 litres/min - Nil by mouth; appropriate position
Syncope	- Feels faint/dizzy/light headed - Collapse & loss of consciousness - Pallor, sweating, slow pulse, low BP - Nausea/vomiting	Airway Breathing Circulation Disability Exposure - Lie flat, elevate legs & loosen tight clothing; oxygen? (not usually necessary) - Once consciousness returns, offer glucose in water or sweet tea - Slow recovery: consider alternative diagnosis; unresponsive: check signs of life

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Emergencies In Dental Practice Hc 197

Annelies Wilder-Smith



Emergencies In Dental Practice Hc 197:

The Journal of the American Dental Association American Dental Association,1975 **Medical Emergencies in the Dental Office** Stanley F. Malamed,Kenneth S. Robbins,2000 The Gold Standard textbook in dentistry today MEDICAL EMERGENCIES IN THE DENTAL OFFICE prepares dental professionals for recognizing and managing medical emergencies and diminishing their danger It concentrates on the prevention of emergencies and addresses specific types of emergencies unconsciousness respiratory difficulty altered consciousness seizures drug related emergencies chest pain and cardiac arrest Clinically organized around signs and symptoms it presents the appropriate management in a clear step by step fashion The appendix consists of seven algorithms that provide a quick reference for life threatening situations Includes the latest American Heart Association guidelines for CPR Organized by clinical signs and symptoms to convey the information quickly and easily The Quick Reference Section to Life Threatening Situations provides seven algorithms on management of specific emergency situations **The New York Journal of Dentistry** Jacob Amos Salzmann,1957 **Handbook of Medical Emergencies in the Dental Office** Stanley F. Malamed,1982 **Cumulated Index Medicus** ,1966 **Current Catalog** National Library of Medicine (U.S.),1982 First multi year cumulation covers six years 1965 70 *Current Bibliography of Epidemiology* ,1972 **Self-assessment and Continuing Education in Dentistry** ,1973 *Oral Health in America* ,2000

National Library of Medicine Current Catalog National Library of Medicine (U.S.),1971 **Index to Dental Literature** ,1970 Beginning with 1962 references are not limited to material in the English language **Index Medicus** ,2004 Vols for 1963 include as pt 2 of the Jan issue Medical subject headings *Bibliography of Medical Reviews* ,1971

British Medical Journal ,1927 *Bibliography on Medical Education* National Library of Medicine (U.S.),1968 *Dental Clinics of North America* ,1994 American Book Publishing Record R.R. Bowker Company,1978 *Association Medical Journal* ,1918 BNF 55 ,2008 **Goldfrank's Toxicologic Emergencies, Eleventh Edition** Lewis S. Nelson,Robert S. Hoffman,Mary Ann Howland,Neal A. Lewin,Lewis R. Goldfrank,2018-08-22 Goldfrank s is the premier toxicology textbook that should be in every emergency department or poison center library Whether you are a student resident or faculty there is something here for you If you are a toxicology fellow or poison specialist studying for your boards this is your go to book I highly recommend this work The Journal of Emergency Medicine The best edition yet of the landmark text in medical toxicology A Doody s Core Title for 2021 Covering every aspect of poison management this indispensable case based resource has been thoroughly refreshed to deliver evidence based principles viewed through the lens of an active bedside clinical practice In no other reference will you find such a diverse roster of esteemed editors and authors who deliver expert insights into every type of toxicologic emergency whether due to substance abuse or exposure to toxins Fully referenced and supported by a cohesive organization and full color format Goldfrank s begins with a historical perspective on medical toxicology principles and the general approach to the patient It then progresses to the fundamental principles of medical

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