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Advanced life support (ALS)


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**Laryngeal mask airway**

**Laryngeal mask airway (LMA) insertion**


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**Intraosseous access**

**Intraosseous access**


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**Unconscious/ altered level of consciousness**


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Choking (foreign body airway obstruction)


Button battery ingestion/insertion


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Hypoglycaemia


Acute asthma


Drowning/submersion


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Acute coronary syndrome (ACS)


Acute pulmonary oedema (cardiac causes)


Hypertensive emergency


4. Expert opinion, 2021, Dr Robert Gluer, General Cardiologist, Toowoomba Hospital


Arrhythmias

Electrocution/electric shock

Acute lower leg ischaemia
6. Expert opinion, 2020, Dr Ching Siang Cheng, Vascular Surgeon, Cairns Hospital

Deep vein thrombosis (DVT)
Pulmonary embolism (PE)


Neurological emergencies

Headache


Transient ischaemic attack (TIA) and stroke


Delirium


Traumatic injuries


Chest injuries


5. The Committee on Trauma and American College of Surgeons. ATLS Advanced trauma life support student course manual 10th ed. Chicago, IL: American College of Surgeons; 2018 [cited 2021 Jul 2]. Available from: https://www.academia.edu/39781997/Student_Course_Manual_ATLS_Advanced_Trauma_Life_Support


Head injuries


Spinal injuries


Abdominal injuries


2. The Committee on Trauma and American College of Surgeons. ATLS Advanced trauma life support student course manual 10th ed. Chicago, IL: American College of Surgeons; 2018 [cited 2021 Jul 2]. Available from: https://www.academia.edu/39781997/Student_Course_Manual_ATLS_Advanced_Trauma_Life_Support


Fractures, dislocations and sprains

Simple fracture of limbs


Open (compound) fracture


2. The Committee on Trauma and American College of Surgeons. ATLS Advanced trauma life support student course manual 10th ed. Chicago, IL: American College of Surgeons; 2018 [cited 2021 Jul 2]. Available from: https://www.academia.edu/39781997/Student_Course_Manual_ATLS_Advanced_Trauma_Life_Support


Fractured pelvis
1. The Committee on Trauma and American College of Surgeons. ATLS Advanced trauma life support student course manual 10th ed. Chicago, IL: American College of Surgeons; 2018 [cited 2021 Jul 2]. Available from: https://www.academia.edu/39781997/Student_Course_Manual_ATLS_Advanced_Trauma_Life_Support


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Dislocations


Sprains/soft tissue injury


References


Acute wounds

Acute wounds


Removal of small fish hook

Removal of tight ring

Water related wounds

Human (tooth-knuckle) and animal bites


Bat bite/scratch


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Burns


Minor burns


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Poisoning and overdose


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#### Funnel-web (big black) spider bite


Red-back spider bite


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Scorpion stings and centipede bites

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Irukandji syndrome


Bluebottle and other jellyfish stings


Blue-ringed octopus and cone shell envenomation


Penetrating marine injuries


Sponges


Ciguatera poisoning

Stinging tree


2. Maor D, Little M. Skin contact with a stinging tree requiring intensive care unit admission. Contact dermatitis 2017;77(5):335-7 DOI: 10.1111/cod.12830


Assault

Domestic and family violence


Sexual assault


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Urticaria, allergic rhinitis


**Respiratory problems**

**Upper respiratory tract infection (URTI) (adult)**


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Tuberculosis
6. Gair R. Quanteferon gold blood test for TB. [expert opinion]; 2021 Dec 14

Mouth and dental problems

Trauma to teeth
Toothache


Dental caries


Mouth ulcers


Tooth abscess


REFERENCES


Post tooth extraction bleeding

Dry socket

Gum disease

Oral thrush
Eye problems

Eye assessment + Eye differential diagnosis


Foreign body in eye


Corneal abrasion

Flash burn to eye

Chemical burn to eye

Eye injury
Sudden, painless loss of vision


Orbital/periorbital cellulitis


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Trachoma


**Urinary tract problems**

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**Skin problems**

**Impetigo**


Boils


Cellulitis


Shingles


Tinea/ringworm


3. Deleted


Candidiasis (skin)


**Tinea versicolor ( pityriasis versicolor)**


**Leprosy (Hansen's disease)**


**Scabies**


Head lice/nits
2. Deleted

Nappy rash

Diabetic foot infection

Diabetic foot infection ± osteomyelitis
toc_d1e313

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Chronic wounds

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12. Note: reference removed from topic

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Medroxyprogesterone acetate

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**Progestogen only pill (POP)**

**Emergency contraception**

**Sexually transmitted infections (STIs)**

**STI and BBV assessment**
3. Australasian Society for HIV Viral Hepatitis and Sexual Health Medicine (ASHM). Australian consensus STI testing guideline for Aboriginal and Torres Strait Islander people. nd [cited 2021 Jul 8]. Available from: https://www.ashm.org.au/?s=Australian+consensus+STI+testing+guideline+for+Aboriginal+and+Torres+Strait+Islander+people
REFERENCES


Chlamydia/gonorrhoea/trichomonas/m. genitalium

Bacterial vaginosis

Vaginal thrush (candidiasis)

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Anogenital ulcers/lumps


Syphilis


Genital herpes simplex virus (HSV)


Anogenital warts


Human immunodeficiency virus (HIV)


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