

# Chapter 21: Emergencies and injuries



NATIONAL DEPARTMENT OF HEALTH

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AFFORDABLE MEDICINES DIRECTORATE  
ESSENTIAL MEDICINES PROGRAMME

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PRIMARY HEALTHCARE GUIDELINES  
2020-2024 REVIEW CYCLE



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## EVIDENCE

Please access the National Essential Medicines List Committee (NEMLC) report for detailed evidence (including rationale, references and costings) informing decision-making on medicine addition, amendments and deletions:

- Knowledge Hub: <https://knowledgehub.health.gov.za/elibrary/hospital-level-adults-standard-treatment-guidelines-stgs-and-essential-medicines-list-eml>
- NHI webpage: <https://www.health.gov.za/nhi-edp-stgs-eml/>

## DISCLAIMER

This slide set is an implementation tool and should be used alongside the most recently published STG available on the EML Clinical Guide Application. This information does not supersede or replace the STG itself.



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# MEDICINE AMENDMENTS



## DESCRIPTION

### 21.1.1 Cardiac arrest, adults

#### MEDICINE/MANAGEMENT

- Cardiac arrest algorithm for suspected communicable diseases
- *Ventricular tachycardia*: Amiodarone, IV
- *Cardiopulmonary resuscitation*: Guidance on fluid administration
- *Addition guidance – termination of resuscitation (TDR)*: Duration of asystole

#### DECISION:

**Added**

**Not added**

**Amended**

**Amended**



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# MEDICINE AMENDMENTS



- **DESCRIPTION**
- **21.1.2 Cardiopulmonary arrest, children**

## MEDICINE/MANAGEMENT

- Cardiac arrest algorithm
- Paediatric resuscitation tape weight measurements
- Age-based weight estimates
- Guidance to continue resuscitation

## DECISION:

- **Amended**
- **Added**
- **Added**
- **Amended**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.1.5 Management of suspected choking/foreign body aspiration in children**

## MEDICINE/MANAGEMENT

- Choking algorithm and related guidance

## DECISION:

- **Amended**



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# MEDICINE AMENDMENTS



## DESCRIPTION

- **21.2. MEDICAL EMERGENCIES**
- **21.2.1. Paediatric Emergencies**
- **21.2.1.1 Rapid triage of children presenting with acute conditions in clinics and CHCS**

## MEDICINE/MANAGEMENT:

- **21.2.1** Referral for children with cerebral palsy
- **21.2.1.1** Triage process of all sick children

## DECISION:

- **Not added**
- **Amended**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.2.4 Delirium**

## MEDICINE/MANAGEMENT:

- *Physical restraints:*  
Guidance on physical restraints
- *Medicine treatment*
- *Alcoholics/malnourished (adults):*  
Thiamine, parenteral

## DECISION:

- **Amended**
- **Guidance amended**
- **Dose & route of administration amended**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.2.4 Delirium**

## MEDICINE/MANAGEMENT:

- Aligned to Section 16.1.2 and 16.1.3
- Diazepam – dose frequency
- Benzodiazepines – cautions amended
- Haloperidol, IM
- Olanzapine, oro-dispersible
- Olanzapine, IM

## DECISION:

- **Aligned**
- **Clarified**
- **Amended**
- **Retained**
- **Added**
- **Added**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.2.6 Hypoglycaemia & hypoglycaemic coma**
- **21.2.8 Pulmonary oedema, acute**
- **21.2.9 Shock**

## MEDICINE/MANAGEMENT:

- **21.2.6** Thiamine, parenteral
- **21.2.8** Morphine, IV
- **21.2.9** Fluid replacement in children – sodium chloride 0.9%:
- Fluid replacement in children – ringers lactate

## DECISION:

- **Aligned**
- **Deleted and caution added to the STG**
- **Dose amended**
- **Added**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.2.10 Anaphylaxis**

## MEDICINE/MANAGEMENT:

- Guidance on anaphylaxis associated with vaccinations
- Management – salbutamol nebulized
- Management – ipratropium bromide nebulized

## DECISION:

- **Added**
- **Dose clarified**
- **Dose Clarified**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.3 Trauma and injuries**
- **21.3.1.1 Animal bites**

## MEDICINE/MANAGEMENT:

- **21.3** Referral for patients with brain & spinal cord injuries
- **21.3.1.1 Suspected Rabies bite**
- Wound irrigation
- Rabies vaccine
- Human rabies immunoglobulin
- Equine rabies immunoglobulin
- Amoxicillin/clavulanic acid in children – 8 hrly

## DECISION:

- **Not added**
- **Amended**
- **Directions for use amended**
- **Directions for use amended**
- **Added**
- **Retained**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.3.1.2 Human bites**
- **21.3.1.3 Insect bites, scorpion stings & spider bites**

## MEDICINE/MANAGEMENT:

- **21.3.1.2 Amoxicillin/clavulanic acid** in children – 8 hrly regimen
- **21.3.1.3 Description**
- Chlorphenamine oral
- Chlorphenamine oral
- Paracetamol dosing guidance
- Contact information

## DECISION:

- **Retained**
- **Editorial amendment**
- **Indication amended**
- **Caution deleted**
- **Amended**
- **Added**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.3.1.4 Snakebites**

## MEDICINE/MANAGEMENT:

- *Venom in the eyes:*
- Tetracaine 0.1%, ophthalmic drops
- Oxybuprocaine 4% ophthalmic drops
- *Snake antivenom*
- Antivenom
- Contact information

## DECISION:

- **Retained as an example of class in STG**
- **Added to the TI database as an example of class**
  
- **Criteria for administration amended**
- **Amended**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.3.2 BURNS**

## MEDICINE/MANAGEMENT:

- *Septic burns*
- Paracetamol dosing guidance
- Povidone iodine, topical
- Silver sulfadiazine, topical
- Mupirocin, topical
- Nano-crystalline dressings
- Melaleuca alternifolia, topical
- Referral – rehabilitation services

## DECISION:

- **Amended**
- **Retained**
- **Not added**
- **Not added**
- **Not added**
- **Not added**
- **Added**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

### • 21.3.3 EXPOSURE TO POISONOUS SUBSTANCES

#### MEDICINE/MANAGEMENT:

- *Tricyclic poisoning*
- Sodium bicarbonate, parenteral
- *Organophosphate and carbamate poisoning*
- Atropine IV
- Atropinisation
- *Opioid overdose*
- Naloxone, IV
- *Paracetamol poisoning*
- N-acetylcysteine, oral
- *Toxic alcohol (ethylene glycol & methanol) poisoning*
- Ethanol loading dose

#### DECISION:

- Not added
- Directions for use not amended
- Indication amended
- Directions for use amended
- Dose not amended
- Not added – cross reference to AH chapter 19.17.2



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- 21.3.6.1 Post-exposure prophylaxis, occupational
- 21.3.6.2 Post-exposure prophylaxis, occupational

## MEDICINE/MANAGEMENT:

- 21.3.6.1 *PEP for healthcare workers following Hepatitis B exposure*
- Hepatitis B immunoglobulin
- *Delay in obtaining HBsAb results:*
- Time period of delay
- 21.3.6.2 *PEP occupational:*
- General measures
- Adverse effects of PEP

## DECISION:

- Amended
- Amended
- Editorial amendment
- Guidance amendment



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.3.6.2 Post-exposure prophylaxis, rape and sexual assault**

## MEDICINE/MANAGEMENT:

- HIV PEP – Guidance for children
- HIV PrEP
- *Emergency contraception after pregnancy is excluded*
- Copper IUCD
- Levonorgestrel, oral
- *Obese women*
- Levonorgestrel, oral

## DECISION:

- **Amended**
- **Added as a cross-reference to the PHC STGs and EML (PrEP section)**
- **Added (as a 1<sup>st</sup> line option)**
- **Retained (as a 2<sup>nd</sup> line option)**
- **Dose not amended**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.3.6.2 Post-exposure prophylaxis, rape and sexual assault**

## MEDICINE/MANAGEMENT:

*STI prophylaxis for pregnant women*

Ceftriaxone, IM

Azithromycin, oral

Metronidazole, oral

Cefixime, oral

Erythromycin, oral

Spectinomycin, parenteral

## DECISION:

- **Retained**
- **Retained**
- **Retained**
  
- **Not added**
- **Not added**
- **Not added**



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# MEDICINE AMENDMENTS



## DESCRIPTION:

- **21.3.7 SOFT TISSUE INJURIES**
- **21.3.8 SPRAINS AND STRAINS**

## MEDICINE/MANAGEMENT:

- **12.3.7** Paracetamol dosing guidance
- Referral of patients with haemophilia
- **12.3.8** Paracetamol dosing guidance
- Referral – rehabilitation services

## DECISION:

- **Amended**
- **Not added**
- **Amended**
- **Added**



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# Thank you

<https://knowledgehub.health.gov.za/e-library> or <https://www.health.gov.za/nhi-edp-stgs-eml/>



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