

- **UNLICENSED USE** *Actilyse*<sup>®</sup> not licensed for use in children.
- **CONTRA-INDICATIONS** Recent delivery
- **INTERACTIONS** → Appendix 1: alteplase
- **SIDE-EFFECTS**
  - ▶ **Uncommon** Haemothorax
  - ▶ **Rare or very rare** Agitation · confusion · delirium · depression · epilepsy · psychosis · speech disorder
  - ▶ **Frequency not known** Brain oedema (caused by reperfusion)
- **ALLERGY AND CROSS-SENSITIVITY** Contra-indicated if history of hypersensitivity to gentamicin (residue from manufacturing process).
- **DIRECTIONS FOR ADMINISTRATION** For *intravenous infusion* (*Actilyse*<sup>®</sup>), dissolve in Water for Injections to a concentration of 1 mg/mL or 2 mg/mL and infuse intravenously; alternatively dilute further in Sodium Chloride 0.9% to a concentration of not less than 200 micrograms/mL; not to be diluted in Glucose.

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: solution for injection

#### Powder and solvent for solution for injection

- ▶ **Actilyse** (Boehringer Ingelheim Ltd)
  - Alteplase 10 mg** Actilyse 10mg powder and solvent for solution for injection vials | 1 vial [PoM] £172.80
  - Alteplase 20 mg** Actilyse 20mg powder and solvent for solution for injection vials | 1 vial [PoM] £259.20

#### Powder and solvent for solution for infusion

- ▶ **Actilyse** (Boehringer Ingelheim Ltd)
  - Alteplase 50 mg** Actilyse 50mg powder and solvent for solution for infusion vials | 1 vial [PoM] £432.00

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## Streptokinase

23-Jan-2020

### ● INDICATIONS AND DOSE

#### Intravascular thrombosis

- ▶ **INITIALLY BY INTRAVENOUS INFUSION**
- ▶ Child 1 month–11 years: Initially 2500–4000 units/kg, dose to be given over 30 minutes, followed by (by continuous intravenous infusion) 500–1000 units/kg/hour for up to 3 days until reperfusion occurs
- ▶ Child 12–17 years: Initially 250 000 units, dose to be given over 30 minutes, followed by (by continuous intravenous infusion) 100 000 units/hour for up to 3 days until reperfusion occurs

- **UNLICENSED USE** Not licensed for use in children.
- **CAUTIONS** Atrial fibrillation · cavernous pulmonary disease · cerebrovascular disease · mitral valve defect · recent delivery or abortion · recent streptococcal infections · septic thrombotic disease
- **INTERACTIONS** → Appendix 1: streptokinase
- **SIDE-EFFECTS**
  - ▶ **Common or very common** Arrhythmias · asthenia · diarrhoea · epigastric pain · headache · malaise · pain
  - ▶ **Uncommon** Respiratory arrest · splenic rupture
  - ▶ **Rare or very rare** Arthritis · eye inflammation · hypersensitivity · nephritis · nerve disorders · neurological effects · pulmonary oedema non-cardiogenic (caused by reperfusion) · shock · vasculitis
- **ALLERGY AND CROSS-SENSITIVITY** Contra-indicated if previous allergic reaction to either streptokinase or anistreplase (no longer available). Prolonged persistence of antibodies to streptokinase and anistreplase (no longer available) can reduce the effectiveness of subsequent treatment; therefore, streptokinase should not be used

again beyond 4 days of first administration of either streptokinase or anistreplase.

- **DIRECTIONS FOR ADMINISTRATION** For *intravenous infusion*, reconstitute with Sodium Chloride 0.9%, then dilute further with Glucose 5% or Sodium Chloride 0.9% after reconstitution. Monitor fibrinogen concentration closely; if fibrinogen concentration less than 1 g/litre, stop streptokinase infusion and start unfractionated heparin; restart streptokinase once fibrinogen concentration reaches 1 g/litre.
- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.
  - Powder for solution for infusion**
    - ▶ **Streptokinase (Non-proprietary)**
      - Streptokinase 1.5 mega unit** Streptokinase 1.5million unit powder for solution for infusion vials | 1 vial [PoM] £195.00
      - Streptokinase 250000 unit** Streptokinase 250,000unit powder for solution for infusion vials | 1 vial [PoM] £97.50
      - Streptokinase 750000 unit** Streptokinase 750,000unit powder for solution for infusion vials | 1 vial [PoM] £49.35

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15-Nov-2019

## Urokinase

### ● INDICATIONS AND DOSE

#### Occluded arteriovenous shunts, catheters, and indwelling central lines

- ▶ **TO THE DEVICE AS A FLUSH**
- ▶ Neonate: 5000–25 000 units, inject directly into occluded catheter or central line, dilute dose in sodium chloride 0.9% to fill catheter dead space **only**. Leave for 20–60 minutes then aspirate the lysate and flush with sodium chloride 0.9%.
- ▶ Child: 5000–25 000 units, inject directly into occluded catheter or central line, dilute dose in sodium chloride 0.9% to fill catheter dead space **only**. Leave for 20–60 minutes then aspirate the lysate and flush with sodium chloride 0.9%

- **CAUTIONS** Atrial fibrillation · cavernous pulmonary disease · mitral valve defect · recent delivery · septic thrombotic disease · severe cerebrovascular disease
- **INTERACTIONS** → Appendix 1: urokinase
- **SIDE-EFFECTS**
  - ▶ **Common or very common** Artery dissection · embolism and thrombosis · stroke
  - ▶ **Uncommon** Renal failure
  - ▶ **Rare or very rare** Vascular pseudoaneurysm
- **BREAST FEEDING** Manufacturer advises avoid—no information available.
- **DIRECTIONS FOR ADMINISTRATION** May be diluted, after reconstitution, with Sodium Chloride 0.9%.
- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.
  - Powder for solution for injection**
    - ▶ **Syner-KINASE** (Syner-Med (Pharmaceutical Products) Ltd)
      - Urokinase 10000 unit** Syner-KINASE 10,000unit powder for solution for injection vials | 1 vial [PoM] £35.95 (Hospital only)
      - Urokinase 25000 unit** Syner-KINASE 25,000unit powder for solution for injection vials | 1 vial [PoM] £45.95 (Hospital only)
      - Urokinase 100000 unit** Syner-KINASE 100,000unit powder for solution for injection vials | 1 vial [PoM] £112.95 (Hospital only)
      - Urokinase 250000 unit** Syner-KINASE 250,000unit powder for solution for injection vials | 1 vial [PoM] (Hospital only)
      - Urokinase 500000 unit** Syner-KINASE 500,000unit powder for solution for injection vials | 1 vial [PoM] (Hospital only)