

# Tenecteplase for Acute Ischaemic Stroke in patients with large vessel occlusions

## Who can administer

Doctor only

## Important information

- This monograph refers to the use of tenecteplase for **STROKE** indication. For use in **MYOCARDIAL INFARCTION**.see [SPC](#)
- Should be used under guidance of **ThrombolysisÂ Consultant**
- Tenecteplase **should ONLY BE ADMINISTERED in a line containing Sodium chloride 0.9% (AVOID Glucose 5%)**
- In order to improve the traceability of biological medicinal products,Â **the name and the batch number of the administered product should be clearly recorded.**

## Available preparations

Metalyse 5,000 units (25mg) vial

## Reconstitution

### Water for injection

- 5 mL per 5,000 unit (25mg vial)
- Add slowly to avoid foaming
- Keeping the syringe attached reconstitute the solution by swirling gently to avoid foaming
- Transfer the appropriate volume of Metalyse reconstituted solution into the syringe

## Infusion fluids

- Not required

## Methods of intravenous administration

### Bolus Intravenous Injection

- Administer over approximately 5 to 10 seconds

## Dose in adults

### Dose in adults :

- Give 0.25mg/kgÂ<sup>(ref 1)Â</sup> (**MAXIMUM of 25mg**) as a single IV bolus over approximately 10 secondsÂ
- See table below
- Benefit-risk of tenecteplase treatment should be carefully evaluated in **patients weighing 50 kg or less** due to limited availability of data
- A pre-existing intravenous line may be used, **ONLY if sodium chloride 0.9% has been infused (AVOID glucose 5%).**

| Patient weight (kg) | Tenecteplase dose (mg) | Volume of reconstituted Tenecteplase solution required (mL) |
|---------------------|------------------------|---|
| 30                  | 7.5mg                  | 1.5mL   |
| 35                  | 8.75mg                 | 1.75mL  |
| 40                  | 10mg                   | 2mL   |
| 45                  | 11.25mg                | 2.25mL  |
| 50                  | 12.5mg                 | 2.5mL   |
| 55                  | 13.75mg                | 2.75mL  |
| 60                  | 15mg                   | 3mL   |
| 65                  | 16.25mg                | 3.25mL  |
| 70                  | 17.5mg                 | 3.5mL   |
| 75                  | 18.75mg                | 3.75mL  |
| 80                  | 20mg                   | 4mL   |
| 85                  | 21.25mg                | 4.25mL  |
| 90                  | 22.5mg                 | 4.5mL   |
| 95                  | 23.75mg                | 4.75mL  |
| 100                 | 25mg (maximum dose)    | 5mL (maximum volume)  |

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## Monitoring

- AsÂ per Stroke pathway

## Storage

- Store unreconstituted product at room temperature

## References

Metalyse 5000 units SPC Jan 2024

1: GUH, Acute stroke pathway version 1.4 Dec 2022

## Therapeutic classification

Thrombolytic