

## Who can administer

May be administered by registered competent doctor or nurse/midwife

## Important information

Unlicensed preparation

## Available preparations

Isoniazid 300mg in 5ml ampoules (Cemidon)

## Reconstitution

Not required - already in solution

**Draw up using a 5 micron filter needle**

## Methods of intravenous administration

### **Bolus intravenous injection**

- Administer undiluted
- Give slowly over 3 to 5 minutes

## Dose in adults

### **Tuberculosis, in combination with other drugs (standard unsupervised 6-month treatment)**

- Give 300mg daily (initial and continuation phases)

### **Prevention of tuberculosis in susceptible close contacts or those who have become tuberculin positive**

- Give 300mg daily

## Monitoring

- Note: Cemidon contains sodium metabisulfite which may cause allergic reactions
- Baseline liver enzymes not routinely recommended in latent TB except for patients with HIV, liver disease, immediate post-partum < 3 months, or regular alcohol use <sup>(ref 3)</sup>
- Baseline liver enzymes recommended in treatment of active TB; repeat liver function tests monthly if:
  - abnormalities at baseline
  - symptoms consistent with hepatotoxicity develop
  - patients chronically consume alcohol
  - patients take other potentially hepatotoxic medications
  - patients have viral hepatitis or history of liver disease, human immunodeficiency virus (HIV) infection, or prior drug-induced liver injury <sup>(ref 3)</sup>
- If no evidence of liver disease (and pre-treatment liver function is normal), further checks are only

necessary if the patient develops fever, malaise, vomiting, jaundice or unexplained deterioration during treatment.

- Monitor: for skin reactions, temperature, liver function (weekly for the first month, then monthly)<sup>(ref 1)</sup>
- Caution: numerous drug interactions<sup>(ref 3)</sup>

## Further information

- Give oral pyridoxine to reduce the risk of peripheral neuropathy occurring<sup>(ref 2)</sup>
- At low temperatures, isoniazid in solution may crystallise; warm the injection to room temperature to re-dissolve the crystals before use<sup>(ref 2)</sup>
- Injection solution is given undiluted. However, it is known to be compatible with Sodium chloride 0.9%

## Storage

Store below 25°C

## References

1. BNF - medicinescomplete.com. Accessed Oct 30th 2024
2. Medusa NHS Injectable Medicines Guide. Accessed Oct 30th 2024
3. Sanford Guide. Accessed Oct 30th 2024

## Therapeutic classification

Antimycobacterial