## CLONAZEPAM

### Presentation
- **Ampoule:** 1mg/mL
- **Oral Drops:** 2.5mg/mL (1 drop = 0.1mg = 100micrograms)

### Description
Benzodiazepine

### Indications
Anticonvulsant for status epilepticus and epilepsy unresponsive to conventional therapy

### Contraindications
Contraindicated in severe hepatic impairment

### Dosage

<table>
<thead>
<tr>
<th>Route</th>
<th>Dosage Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV</td>
<td>50microgram to 100microgram/ kg/dose over 2-5 minutes</td>
</tr>
<tr>
<td></td>
<td>Repeat after 15 minutes if necessary</td>
</tr>
<tr>
<td></td>
<td><strong>Maximum DAILY dose : 1mg</strong></td>
</tr>
<tr>
<td>Oral</td>
<td><strong>Note: ORAL Dose is independent of weight</strong></td>
</tr>
<tr>
<td></td>
<td>100 microgram to 300 microgram /day in 2-3 divided doses</td>
</tr>
<tr>
<td></td>
<td>May be increased every third day by 250-500microgram increments</td>
</tr>
<tr>
<td></td>
<td><strong>Maximum DAILY dose: 3- 6mg</strong></td>
</tr>
</tbody>
</table>

### Dosage Adjustment
Adjust dose according to response in consultation with neurology

**Note:** Clonazepam has a long half-life, repeated doses can cause accumulation

### Adverse Reactions
- **Common:** sedation, tachycardia, oedema
- **Serious:** CNS and respiratory depression, skin reaction

### Compatible Fluids
- Glucose 5%, Glucose 10%, Sodium Chloride 0.9%
| **Preparation** | **IV:**  
*Do not use diluent provided – use a suitable diluent from compatible fluids for dilution*  
Withdraw 1mL (1mg) of clonazepam injection and make to 10mL with a compatible fluid  
Concentration = 1mg/10mL = **100micrograms/mL**  

**Oral:**  
*For doses less than 100micrograms*  
Take 0.1mL (250 micrograms) of oral Clonazepam drops and dilute to 1mL of Water for Irrigation  
Concentration = 250micrograms/mL = **25micrograms/0.1mL** |
| **Administration** | **IV:** slowly over 2 to 5 minutes  
**Oral:** may be given at any time with regards to feeds |
| **Monitoring** | Cardiac and Respiratory monitoring  
Long term therapy may require therapeutic monitoring  
**Time to steady state:** 1 weeks  
**Therapeutic Range:** 20-70 microgram/L  
**Sampling Time:** midway between doses |
| **Storage** | Store at room temperature, below 25°C |
| **Notes** | Oral Drops are dyed blue |