Table 2: Parenteral drugs for initial treatment of hypertensive crises

| Parenteral Drug | Mechanism of action | Onset of action | Duration of action | Infusion rate |
|------------------|---------------------|-----------------|--------------------|---------------------------------|
| Sodium | Direct arterial | Less than 2 | 1-10 minutes | Initial dose is 0.5 |
| Nitroprusside | and venous | minutes | | μg/kg/minute and the flow |
| | dilator | | | rate is increased in increments |
| | | | | of 1 μg/kg/minute every 2 to |
| | | | | 3 minutes |
| Fenoldopam | Dopamine | Within 10 | Up to 1 hour | Initial dose is 0.1 |
| | agonist causing | minutes | | μg/kg/minute, the increments |
| | decreased SVR | | | must not exceed 0.1 |
| | | | | μg/kg/minute at 20-minute |
| | | | | intervals |
| Labetolol | Non selective β- | 5-10 minutes | 2.5-6.5 hours | Initial dose of 20 mg bolus |
| | and α1- | | | over 2 minutes with 20 mg |
| | adrenergic | | | increments every 10 minutes |
| | blocker | | | interval to maximum of 300 |
| | | | | mg |
| Esmolol | Cardioselective | Within 60 | 10-20 minutes | 500-1000 μg/kg loading dose |
| | β-blocker | seconds | | over 1 minute, followed by an |
| | resulting in | | | infusion starting at 50 |
| | decreased | | | μg/kg/minute and increasing |
| C1 ' 1' ' | cardiac output | 0.4 | - 1 - · · | up to 300 μg/kg/minute |
| Clevidipine | Calcium channel | 2-4 minutes | 5-15 minutes | Initial dose is 1 to 2 mg/h and |
| | blocker causing | | | then titrated (usually doubled |
| NT' 1' ' | decreased SVR | 7 10 | 4.61 | every 90 seconds) |
| Nicardipine | Calcium channel | 5-10 minutes | 4-6 hours | Initial infusion rate of 5 |
| | blocker causing | | | mg/hour, increasing by 2.5 |
| | decreased SVR | | | mg/hour every 5 minutes to a |
| N T'. 1 ' | X7 111 . | 2.5 : . | 10.15 | maximum of 15 mg/hour |
| Nitroglycerine | Venodilator | 2-5 minutes | 10-15 minutes | 5 mcg/minute, increase by 5 |
| | | | | mcg/minute every 3-5 |
| Phentolamine | Mangalastivas | 2-3 minutes | 15-30 minutes | minutes upto 200 mcg/minute. |
| Phentolamine | Nonselective α- | 2-3 minutes | 15-30 minutes | Initial dose is 1 mg bolus with |
| | adrenergic | | | subsequent boluses of 1 to 5 |
| | blocker | | | mg up to a total of dose of 20 |
| | | | | to 30 mg |