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Labetalol	Nifedipine	Hydralazine
 20mg IV slowly over 10 minutes Proceed to 40mg, then 80mg at 10-20 minute intervals Maximum of 300mg 	 10-20mg oral Repeat 10-20mg every 30 minutes Maximum of 40mg Maintain 10mg every 4-6 hrs 	 5mg IV slowly over 10 minutes Repeat 5 mg every 20 minutes Maximum of 20mg

Anticonvulsant dosing chart

MgSO4	Phenytoin	Diazepam
 Loading dose: 4g IV 20% solution over 15 minutes 10g IM 50% solution – 5 in each buttock with 1mL 2% lignocaine Maintenance dose: 5g IM 50% solution q 4 hours 	 Loading dose: 10mg/kg IV infused slower than 50mg/min Maintenance dose: 2 hours later at 5mg/kg Side effects: bradycardia, hypotension 	 Loading dose: 20mg IV slowly over 2 minutes Maintenance dose: 40mg in 500ml IV fluid titrated to keep woman sedated but rousable Do NOT exceed 100mg in 24 hours Side effects: respiratory

MgSO4 Dosing and Preparation

PREPARATION OF 4g 20% SOLUTION OF MAGNESIUM SULFATE (MgSO4)

- Wash hands thoroughly with soap and water or use alcohol hand rub and air dry.
- Using a 20-mL syringe, draw 12 mL of sterile water for injection. If 50% MgSO4. is available, add 8 mL of MgSO4 50% solution* to 12 mL of water for injection to make 20 mL of 20% solution (4 g per 20 mL). If the concentration is different, correctly mix 4 gm of MgSO4 *vial containing (1 g/2 mL)

ADMINISTRATION OF LOADING DOSE OF MgSO2

- Establish an IV line using normal saline or Ringer's lactate solution.
- Using a 20 mL syringe, draw 4 g of MgSO4 50% (8 mL)
- Add 12 mL sterile water or saline to the same syringe to make a 20% solution
- Give this 4g MgSO4 20% solution IV over 5 20 minutes.
- Using two 20 mL syringes, draw 5 g of MgSO4 50% (10 mL) in EACH syringe.
- Add 1mL of 2% lignocaine to EACH of the two syringes.
- Inject 1st syringe by deep IM injection into one buttock (5g MgSO4)
- Inject 2nd syringe by deep IM injection into the other buttock (5g MgSO4)

If convulsions recur

- after 5 minutes, give 2 g of MgSO4 20% by IV over 5 minutes.
- To Decontaminate: Flush needle and syringe with 0.5% chlorine solution three times; then place in a puncture-proof container.
- Remove gloves and discard them in a leakproof container or plastic bag.
- Wash hands thoroughly with soap and water.

MONITORING FOR SIGNS OF TOXICITY

- Count respiration rate for 1 minute every hour. The rate should be ≥ 16.
- Patella reflexes should be present. Check every hour: Place one hand under woman's knee and lift leg off bed. Tap patellar tendon just below kneecap with a reflex hammer.
- Insert an indwelling urinary catheter and measure urinary output hourly. Output should be ≥ 30ml/hour

ADMINISTRATION OF MAINTENANCE DOSE OF MgSO2

- Before repeating administration of MgSO4, check that: Respiratory rate is at least 16 per minute. Patellar reflexes are present. Urinary output is at least 30 mL per hour over 4 hours.
- Give 5 grams of MgSO4 50% solution, together with 1 mL of 2% lignocaine in the same syringe, by deep IM injection into alternate buttocks (every 4 hours).