

Notifications

Severe Hypertension Emergent Therapy CPM

- Notify physician if 2 doses of hydrALAZINE (Apresoline) given.
- Notify physician if 3 doses of IV Labetalol given
- Notify physician if Labetalol withheld due to HR less than 60.

Vital Signs

- For confirmed severe range pressures, monitor BP every 10 minutes until BP has been at goal (140-150/90-100) or BP less than 160/110 for 1 hour, then every 15 minutes for 1 hour, then every 30 minutes for 1 hour, then hourly for 4 hours, then every 4 hours.
- If Hydralazine or Labetalol given, Continuous SaO2 monitoring for heart rate and oxygen level
Follow vital sign parameters per medication

IV Fluids

- Lactated Ringers IV infusion**
50 mL/hr Intravenous, CONTINUOUS if not already infusing

Nursing Orders

Interventions

- Encourage lateral position if undelivered
- Continuous fetal monitoring if undelivered

Medications

Acute Hypertension Response

- **If all doses of any medication panel (Hydralazine, Nifedipine or Labetalol) are administered, recommended for MD to obtain additional consultation (Maternal-Fetal Medicine, Anesthesiologist, Intensivist, etc..).**
- **Medication panels may be followed by additional antihypertensive medications per specific MD order**
- **If SBP \geq 160 or DBP \geq 110, treat with latest effective medication dose.**
- **Hydralazine: Do not give if history of mitral valvular rheumatic heart disease or coronary heart disease.**
- **labetalol: Do not give history of asthma or congestive heart failure; caution if patient has recent cocaine or amphetamine use**
- **Max dose: 300 mg labetalol IV**
- **Max dose: 2400 mg labetalol oral**

Intravenous BP Management

- Ⓞ **Intravenous Labetalol followed by Hydralazine Panel**
labetalol (NORMODYNE;TRANDATE) 5 mg/mL intravenous push
20-80 mg Intravenous EVERY 10 MINUTES AS NEEDED X3 DOSES FOR SBP \geq 160 or DBP \geq 110 AND HR $>$ 60. Start with 20 mg then repeat BP in 10 minutes and if SBP \geq 160mmHg or DBP \geq 110mmHg AND HR $>$ 60, give 40 mg. Repeat BP in 10 minutes and if SBP \geq 160mmHg or DBP \geq 110mmHg AND HR $>$ 60, give 80 mg. Notify Physician and hold dose if pulse rate $<$ 60 bpm. Repeat BP in 10 minutes and if SBP \geq 160mmHg or DBP \geq 110mmHg, use IV hydralazine. Medication MAY BE given undiluted. Give each 20 mg or fraction thereof over at least 2 minutes.
hydrALAZINE (APRESOLINE) 20 mg/mL injection
10 mg Intravenous ONE TIME DOSE AS NEEDED FOR SBP \geq 160 or DBP \geq 110 after 3 doses IV Labetalol given. Repeat BP every 10 minutes and notify Physician if SBP \geq 160mmHg or DBP \geq 110mmHg. Given minimum 10 min after last dose of labetalol. Give dose over 2 minutes.



○ **Intravenous Hydralazine followed by Labetalol Panel**

hydrALAZINE (APRESOLINE) 20 mg/mL injection

5-10 mg Intravenous EVERY 20 MINUTES AS NEEDED X2 DOSES FOR SBP \geq 160 or DBP \geq 110 . Start with 5 mg then repeat BP every 10 minutes per vitals parameters. If SBP \geq 160mmHg or DBP \geq 110mmHg, persists 20 minutes after first dose, give 10 mg and notify Physician. Repeat BP every 10 minutes and if SBP \geq 160mmHg or DBP \geq 110mmHg, use IV labetalol. Give each dose over 2 minutes.

labetalol (NORMODYNE;TRANDATE) 5 mg/mL intravenous push

20-40 mg Intravenous EVERY 10 MINUTES X 2 DOSES AS NEEDED FOR SBP \geq 160 or DBP \geq 110. Give after 2 doses of IV hydralazine have been given. Start with 20 mg then repeat BP in 10 minutes and if SBP \geq 160mmHg or DBP \geq 110mmHg, give 40 mg and Notify Physician. Medication MAY BE given undiluted. Give each 20 mg or fraction thereof over at least 2 minutes.

Oral/IV BP Management

○ **Oral Nifedipine followed by Intravenous Labetalol Panel**

Nifedipine (Procardia) capsule 10-20 mg Oral EVERY 20 MINUTES AS NEEDED X 3 DOSES FOR SBP \geq 160 OR DBP \geq 110. Start with 10 mg, then repeat BP every 10 min. If SBP \geq 160 OR DBP \geq 110, persists 20 min after first dose, give 20mg. Continue BP every 10 minutes and if SBP \geq 160 OR DBP \geq 110 continues 20 min after second dose, give additional 20 mg. Continue BP every 10 minutes and if SBP \geq 160 OR DBP \geq 110 persists after third dose, use IV labetalol.

labetalol (NORMODYNE;TRANDATE) 5 mg/mL intravenous push

20 mg Intravenous, ONE TIME DOSE AS NEEDED for SBP \geq 160 OR DBP \geq 110 after 3 doses of Oral Nifedipine given. Given minimum 20 min after last dose of nifedipine. Repeat BP in 10 minutes and notify Physician if SBP \geq 160mmHg or DBP \geq 110mmHg. Medication MAY BE given undiluted. Give each 20 mg or fraction thereof over at least 2 minutes.

Physician Signature, Date and Time
Physician ID# _____

NMR OB/GYN Department 12/19
 MGH OB/GYN Department 12/19

NMR Medical Executive Committee 12/19
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