

INDUCTION OF LABOUR

PURPOSE OF INDUCTION:

- Stimulating the uterus to bring on the onset of labor pain.
- As far as possible, start induction early in the morning

COMMONLY USED DRUGS FOR INDUCTION

- Oxytocin
- Misoprostol

Instruction for using Oxytocin on: Multi gravid (G4 or >):

- Use 2.5 IU of oxytocin in 500 ml in NS.
- Start with 10 drops /min.
- Increase by 10 drops/min ½ hourly until it reaches 60drops/min.
- If the target of uterine contraction is not achieved, use second bottle with same regimen.
- Check heart, contractions ½ hourly and pulse and BP and temperature 2 hourly.
- Ask patient to pass urine 2 hourly.

Primi Gravida:

Primigravidas with favorable cervix (Bishop score > 6) should be induced with Oxytocin

- ✓ Use 5 IU of oxytocin with 500 ml of NS
- ✓ Start with 10 drops /min.
- ✓ Increase by 10 drops/min. ½ hourly until it reaches 60 drops/min.
- ✓ If the target of uterine contraction is not achieved use second bottle with same regimen.
- ✓ Check heart and contraction ½ hourly and BP, pulse and temperature 2 hourly.
- ✓ Ask patient to pass urine 2 hourly.
- ✓ If the result is not achieved, repeat induction for 3 consecutive days.

Note: If the uterine contraction is lasting >60 sec. or there are >4 contraction in 10 minutes, stop oxytocin infusion immediately. Turn patient to left lateral position, give oxygen 4-5 l/min and inform doctor on call

Instruction for using Misoprostol

Misoprostol is a Prostaglandin E analogue and used mainly for priming of unfavourable cervix (Bishop score less than 6)

- ✓ Admit patient and explain procedures to patient and party.
- ✓ Caesarean section facilities are available.
- ✓ Medications to deal with hyperstimulation are available like nifedipine & salbutamol.
- ✓ AFI status must be checked.
- ✓ CTG must be done for 20 minutes before insertion of Misoprostol.
- ✓ Repeat CTG after 2 hours of Misoprostol insertion (this is to rule out hyperstimulation of uterus).
- ✓ Inform doctor on call if there is abnormal CTG

Doses

Primigravida

- ✓ Insert 50 mcg in the posterior fornix of the vagina.
- ✓ Make patient lie down for 2 hours.
- ✓ Do CTG after 2 hours for 20 minutes.
- ✓ Repeat if no progress for three consecutive doses.
- ✓ The total dose per patient should not be more than 200 mcg.

Multigravida

- ✓ Insert 25 mcg in the posterior fornix of the vagina.
- ✓ Make her lie down for 2 hours and do CTG for 20 minutes.
- ✓ Repeat if no progress for three consecutive doses at an interval not < 6 hours.
- ✓ The total dose per patient should not be more than 200 mcg.

Note: Do not use oxytocin either for induction or augmentation within 6 hours of misoprostol insertion!

Contraindications of Misoprostol

- ✓ Sensitivity to Misoprostol
- ✓ Scarred uterus including past caesarean section, myomectomy and hysterotomy
- ✓ Gravida more than 3
- ✓ History of bleeding (APH)
- ✓ Membrane rupture (SROM)
- ✓ Favorable cervix (Bishop score > 6)
- ✓ Multiple pregnancy
- ✓ Mal-presentation of foetus

Note: Do not use misoprostol for augmentation of labor

SIGNATORIES

Name of staff(MO/NO/CO/COI/MIDWIFE/ ETC)

Name:

sign.....

Date:

Department in charge

Name:.....

sign.....

Date:

Nursing Officer in charge

Name:.....

sign.....

Date:

Hospital Administrator

Name:.....

sign.....

Date: