

## SURFACTANT THERAPY

### Indications

- RDS in pre-term baby
- Meconium aspiration syndrome & pulmonary haemorrhage (Seek consultant's advice)

### Timing of administration for SDLD

- Early administration is more effective
  - Initial dose should be given within first 24 hours
- Rescue if CPAP not adequate
  - RDS requiring intubation

### Requirements for procedure

- Surfactant (Survanta -4ml/kg[100mg/kg])
- Sterile gloves
- 5FG feeding tube – cut to required length with sterile blade
- Experienced medical officer to administer and assistant

### Procedure

- Warm to room temperature
- Do not shake
- Calculate the dose
- Ensure correct ETT position
- Invert the bottle 2-3 time (without shaking to mix)
- Draw up the required volume
- Give it 1-2 aliquots depending on the volume
- Take 20-30 minutes for the procedure and give manual breaths for a brief period
- Reduce FiO<sub>2</sub> as required during and soon after the procedure
- Do not suck the ETT for 4-6 hours
- Capillary blood gas after 1hour and adjust the setting
- Assess oxygen requirement after 6-8 hours of therapy – if >30% a repeat dose is indicated stat
- Documentation is essential