

## Indication for surfactant administration

### Slide 1

In this webinar we shall learn about indications of surfactant therapy (INSURE) in preterm neonates with respiratory distress

### Slide 2

Let us identify neonates who needs surfactant.....

### Slide 3

When a baby is born with less than or equal to 34 weeks of gestation with respiratory distress (with silverman score of 4 or more) one should start on CPAP, which should be adjusted as per distress of baby and Fio<sub>2</sub> is titrated to maintain the oxygen saturation of 90-95%.

If FiO<sub>2</sub> requirement is more than 30 percent, even if X ray facility is not available. One should give surfactant as soon as possible after birth or early rescue surfactant (i.e with in 2 hrs of life). Post surfactant if baby is maintaining the saturation, baby should be extubated to nasal CPAP.

If the baby, on CPAP is maintaining saturation between target range of 90-95% with fio<sub>2</sub> of less or equal to 30, there is no need to give surfactant and keep the baby under monitoring and continue CPAP.

### Slide 4

Identification of neonate for need of surfactant is important and should be done early in neonates with respiratory distress. One should have in house facility of back up ventilation or safe place to refer ,in case baby needs mechanical ventilation .