

Surfactant Delivery Guidelines

v. 9-30-19

| | 22-24 weeks* | ≥25 weeks |
|------------------------------|---|--|
| Medication/ Dose | Curosurf (2.5ml/kg) | ≤1.2kg: Curosurf (2.5ml/kg) OR >1.2kg: Infasurf (3ml/kg) |
| Criteria for Initial Dose | <ul style="list-style-type: none"> ASAP following intubation, ideally in NICU after CXR confirmation of ETT placement. Take surf to all deliveries. Consider giving in DR if FiO₂ needs are >60% to achieve NRP-targeted SpO₂. | <ul style="list-style-type: none"> ASAP if intubated OR FiO₂ need >0.4 for 2h on NIV (Initial intubation) Ideally administer in NICU after CXR confirmation of ETT placement. Take surf to all deliveries. Consider giving in DR if FiO₂ needs are >60% to achieve NRP-targeted SpO₂. |
| Administration Technique | <ul style="list-style-type: none"> Increase PIP by ~2-5cm H₂O for ~10 breaths just prior to administration. Rapid (5-10sec) administration of single aliquot in midline position with NeoTee @ 60 bpm. Continue until surf completion, then decrease PIP to lowest pressure that creates gentle chest movement. | <ul style="list-style-type: none"> Increase PIP by ~2cm H₂O for ~10 breaths just prior to administration. Rapid (5-10sec) administration of single aliquot (Curosurf) or in two aliquots (Infasurf) in midline position with NeoTee @ 60 bpm. Continue until surf completion, then decrease PIP to lowest pressure that creates gentle chest movement. |
| INSURE? | No. Follow 22-24wk vent/extubation guideline | Yes if at all possible. If plan to remain intubated, obtain pre/post-surf P/V loops on Avea and follow 25-27wk vent/extubation guideline |
| Repeat dosing | <ul style="list-style-type: none"> Curosurf (1.25ml/kg) q12h x 2 if FiO₂ >0.4 and MAP >10 | <ul style="list-style-type: none"> ≤1.2kg: Curosurf (1.25ml/kg) OR >1.2kg: Infasurf (3ml/kg) q12h x 2 if FiO₂ >0.4 and MAP >10 If s/p INSURE (and now extubated) then FiO₂ >0.5 for 2h on NIV |

*Provider discretion for some robust 24 weekers who may be candidate for INSURE or may avoid intubation altogether