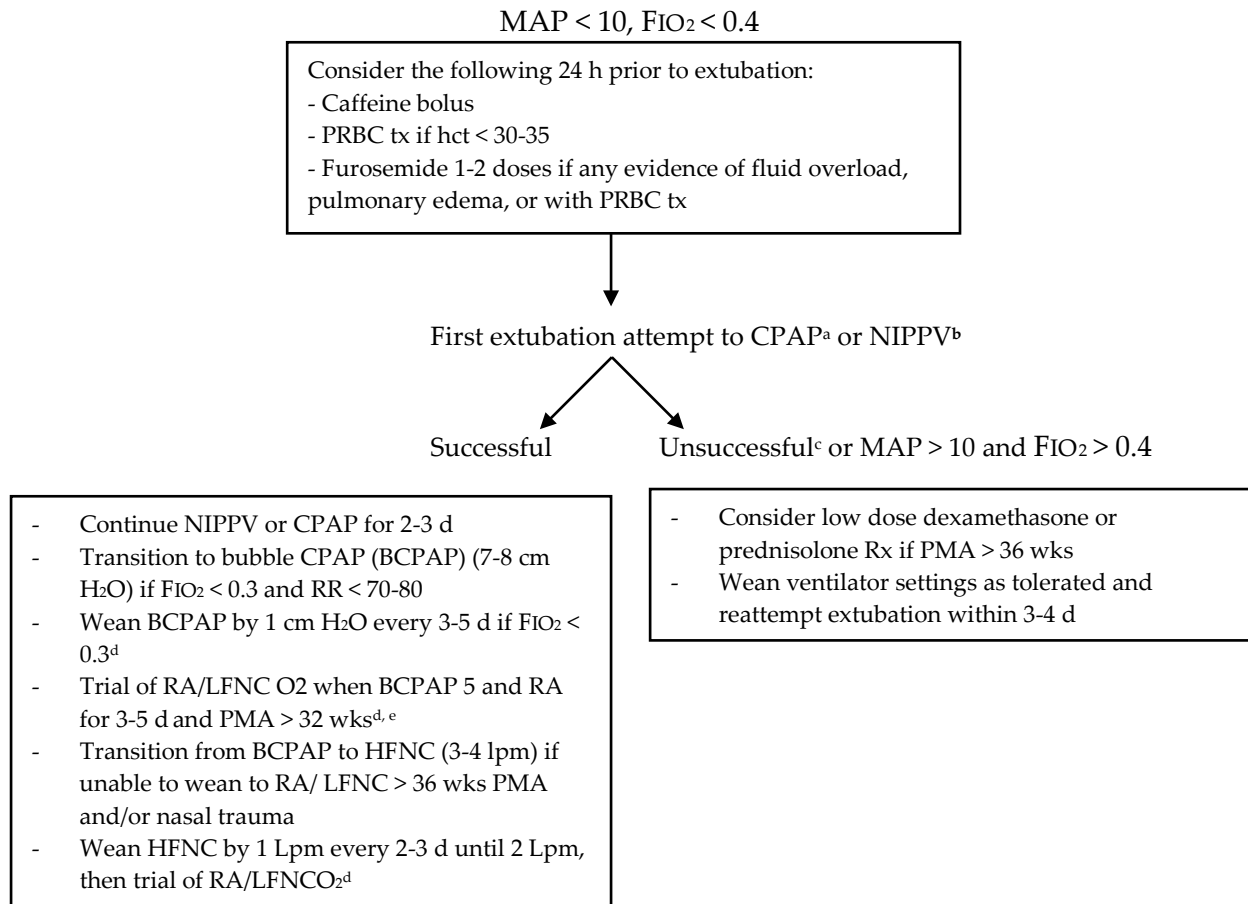


Infants with BPD: Weaning Strategies from Assisted Ventilation

Preterm Infant (> 28 d) with Evolving/Established BPD on Invasive Mechanical Ventilation



^a Suggested initial CPAP settings, 8-9 cm H₂O; if trial of CPAP fails^d, trial of NIPPV before reintubation

^b Suggested initial NIPPV settings [17]:

- Rate: initial 10, max 40;
- PIP: initial 10 above PEEP, max 18;
- PEEP: initial same as when intubated, max 8

^c Extubation failure criteria:

- one episode of apnea requiring bag mask ventilation (BMV) or
- more than six episodes of apnea requiring stimulation in a 6-h period or
- more than 100% increase in baseline FiO₂ for more than 4-6 h (for example from 30% to 60%) or
- significantly increased work of breathing and/or RR > 80 consistently

^d Criteria for failure to wean or discontinue CPAP/HFNC:

- more than 20% increase in baseline respiratory rate for more than 4-6 h or
- more than 30% increase in baseline FiO₂ requirement for more than 4-6 h (for example from 30% to 40%) or
- LFNC O₂ requirement > 200 ml for more than 4-6 h

^e Return to previous settings if unable to wean based on criteria defined in ^d