

Gestational Age (weeks)	24	26	28	30	32	34	36	38	40
Estimated Weight (grams)	700	900	1100	1350	1650	2100	2600	3000	3500
Equipment/Supplies : NG/OG Tube = 5F ♦ UVC <32 wks = 3.5F OR >32 wks = 5F ♦ UAC = 3.5F ♦ Chest Needle = 18g									
ETT Size (mm)	2.5	2.5	2.5-3.0	3	3	3-3.5	3.5	3.5-4.0	3.5-4.0
Laryngoscope Blade	00	00	00	0	0	0	0	0-1	0-1
ETT Depth lip to tip (cm) <i>Place at T2 above the carina</i>	6.5-7 cm	6.5-7 cm	7	7-7.5 cm	7.5 cm	8 cm	8.5 cm	9 cm	9.5 cm
UVC insertion (cm). Place just above diaphragm. Must add additional umbilical stump length. May put UVC in 2-4 cm for emergency access.	6.5	6.9	7.2	7.5	8	8.7	9.4	10	10.8
UAC insertion (cm) high line = T6-T9 preferred. <i>Must add additional umbilical stump length</i>	11.1	11.7	12.3	13	14	15.3	16.8	18	19.5
UAC insertion (cm). low line = L3-L4 <i>Must add additional umbilical stump length</i>	7.7	7.9	8.1	8.4	8.7	9.1	9.6	10	10.5
Chest Tube	8F	8F	8F	8F	8F	8-10F	8-10F	10-12F	10-12F
Vitals: Heart Rate 120-160 Respiratory Rate 30-60 Mean Blood Pressure = Gestational age in weeks									
Initial Ventilator Settings									
Positive Inspiratory Pressure (PIP) cmH ₂ O	16-22	16-22	16-22	16-22	18-24	18-24	18-24	20-28	20-28
Positive End Expiratory Pressure (PEEP) cmH ₂ O	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6	4-6
Inspiratory Time (seconds)	0.3-0.35	0.3-0.35	0.3-0.35	0.3-0.35	0.3-0.35	0.3-0.35	0.35-0.4	0.35-0.4	0.35-0.4
Respiratory Rate (per minute)	30-45	30-45	30-45	30-45	20-40	20-40	20-40	20-40	20-40
Saturation Goal after 10 min.	88-95%	88-95%	88-95%	88-95%	88-95%	88-95%	88-95%	95-98%	95-98%
Medications									
Epinephrine IV/IO 0.1mg/mL 0.1-0.3 ml/kg. May repeat every 3 minutes for asystole.	0.1-0.2ml	0.1-0.3ml	0.1-0.3ml	0.1-0.4ml	0.2-0.5ml	0.2-0.6ml	0.3-0.8ml	0.3-0.9ml	0.4-1ml
Epinephrine ET ONLY 0.1mg/mL 1ml/kg. May repeat every 3 minutes for asystole.	0.7ml	0.9ml	1.1ml	1.3ml	1.6ml	2.1ml	2.6ml	3ml	3.5ml
Curosurf (poractant alfa 80 mg/ml) 2.5 ml/kg divided into two doses. Give curosurf <26 wks OR 26-29 wks and needs ≥ 40% O2 OR > 29 wks with CXR proven RDS	1.8ml	2.3ml	2.8ml	3.4ml	4.1ml	5.3ml	6.5ml	7.5ml	8.8ml
FOR HYPOGLYCEMIA: Give D10 Bolus 2ml/kg IV/IO at 1ml/min. Increase D10 maintenance fluid rate (see below) by 1ml/hr for <2kg or 2ml/hr ≥2kg.	1.4ml	1.8ml	2.2ml	2.7ml	3.3ml	4.2ml	5.2ml	6ml	7ml
Ampicillin (Dilute to 100 mg/ml) 50mg/kg IV/IM	35mg (0.35ml)	45mg (0.45ml)	55mg (0.55ml)	68mg (0.68ml)	83mg (0.83ml)	105mg (1.05ml)	130mg (1.3ml)	150mg (1.5ml)	175mg (1.75ml)
Gentamicin (1mg/1ml) ≤29wks=5mg/kg IV; 30-34wks=4.5mg/kg IV; ≥35wks=4mg/kg IV. Give IV dose over 30 min. May use IM. DO NOT USE IN VILLAGE! PHARMACIST TO CHECK DOSE.	3.5mg (3.5ml)	4.5mg (4.5ml)	5.5mg (5.5ml)	6mg (6ml)	7.5mg (7.5ml)	9.5mg (9.5ml)	10.5mg (10.5ml)	12mg (12ml)	14mg (14ml)
Volume Expanders: NS or albumin – 10 mL/kg IV or IO. Give over 15-30 minutes or faster if unstable, slower for extreme premies.	7ml	9ml	11ml	13.5ml	16.5ml	21ml	26ml	30ml	35ml
D10 Maint Fluids <750gm=90-100ml/kg/24hr >750gm=80ml/kg/24hr. (goal blood glucose is 50-110mg/dl)	3ml/hr	3ml/hr	3.7ml/hr	4.5ml/hr	5.5ml/hr	7ml/hr	8.7ml/hr	10ml/hr	12ml/hr
Phenobarb (130mg/ml) 10mg/kg IV, IO, IM, PR May give additional 10mg/kg dose.	7mg (0.05ml)	9mg (0.07ml)	11mg (0.08ml)	13.5mg (0.1ml)	16.5mg (0.13ml)	21mg (0.16ml)	26mg (0.2ml)	30mg (0.23ml)	35mg (0.27ml)

Reviewed and updated by YKHC Pediatrics, OB Nursing, and Pharmacy Services in conjunction with Providence NICU staff.

Approved by MSEC Pending