

NEONATAL RESUSCITATION



Call for
HELP

Start APGAR
TIMER

Pulse oximeter
RIGHT HAND

**D
R
S**

Dry

Radiant Heater

Stimulate

Every 30 sec
Re-assess

A

Open Airway

Do not routinely suction

Meconium AND Flat Baby:

- Do NOT stimulate
- If Airway soiled:
Y-suction mouth *then* nose
OR suction using ETT with
meconium aspirator
- DO NOT DELAY IPPV by > 60 sec

B

IPPV 40 - 60

HR < 100
Apnoea
Poor resp effort

CPAP

HR > 100
work of breathing

FiO2 0.21

Titrate up if SpO2 targets not met

For **CPR** use FiO2 1.0

SpO2
Targets:

1 min: 60%
2 min: 65%
3 min: 70%
4 min: 75%
> 5 min: 80-90%

C

HR < 60

after 30 seconds of IPPV

CPR 3 : 1

HR < 60

after 30 seconds of CPR

Adrenaline 10 mcg/kg
Fluid bolus 20 mL/kg

(see reverse)

NEONATAL RESUSCITATION



GESTATION	ETT SIZE	ETT DEPTH (CM)
< 28 wk	2.5	6
28-32 wk	3.0	7
32-34 wk	3.5	8
35-40 wk	4.0	9

Oral ETT depth = weight (kg) + 6 cm

Y-SUCTION CATHETER

ETT: 6-8 Fr

Airway: 8-10 Fr

UMBILICAL VEIN CATHETER

Prem: 3.5 Fr

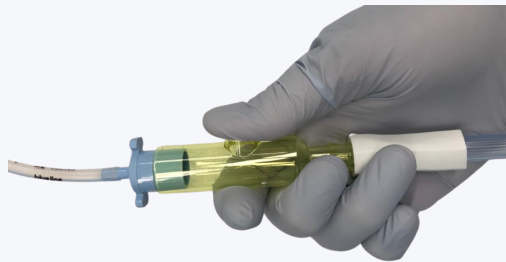
Term: 5 Fr

NEO PUFF SETTINGS

Prem: PIP 25 cm H₂O
PEEP 6 cm H₂O

Term: PIP 30 cm H₂O
PEEP 6 cm H₂O

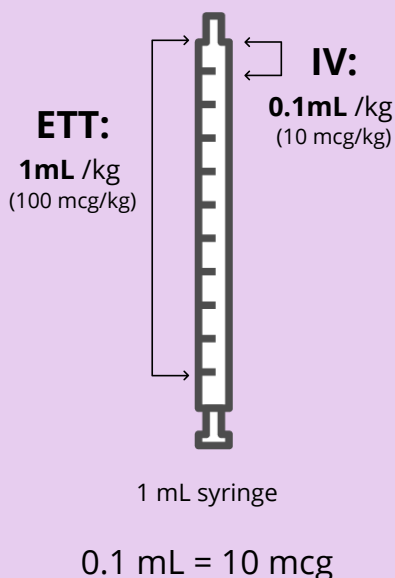
MECONIUM ASPIRATOR



Adrenaline

1:10,000

Every 2 mins



Umbilical vein catheter

- Attach 3-way tap
 - Prime line
- Clean Cord
 - Loose tie around base
 - Cut at least 1.5 cm stump
- Insert to 5 cm
 - Check: aspirate blood
 - Tegaderm sandwich to secure



15 mm IO

(only if IVC failed)

Anteromedial tibia only
Monitor for extravasation

Fluid

(if CPR > 30s)



0.9% Normal saline
10-20 mL/kg

Blood

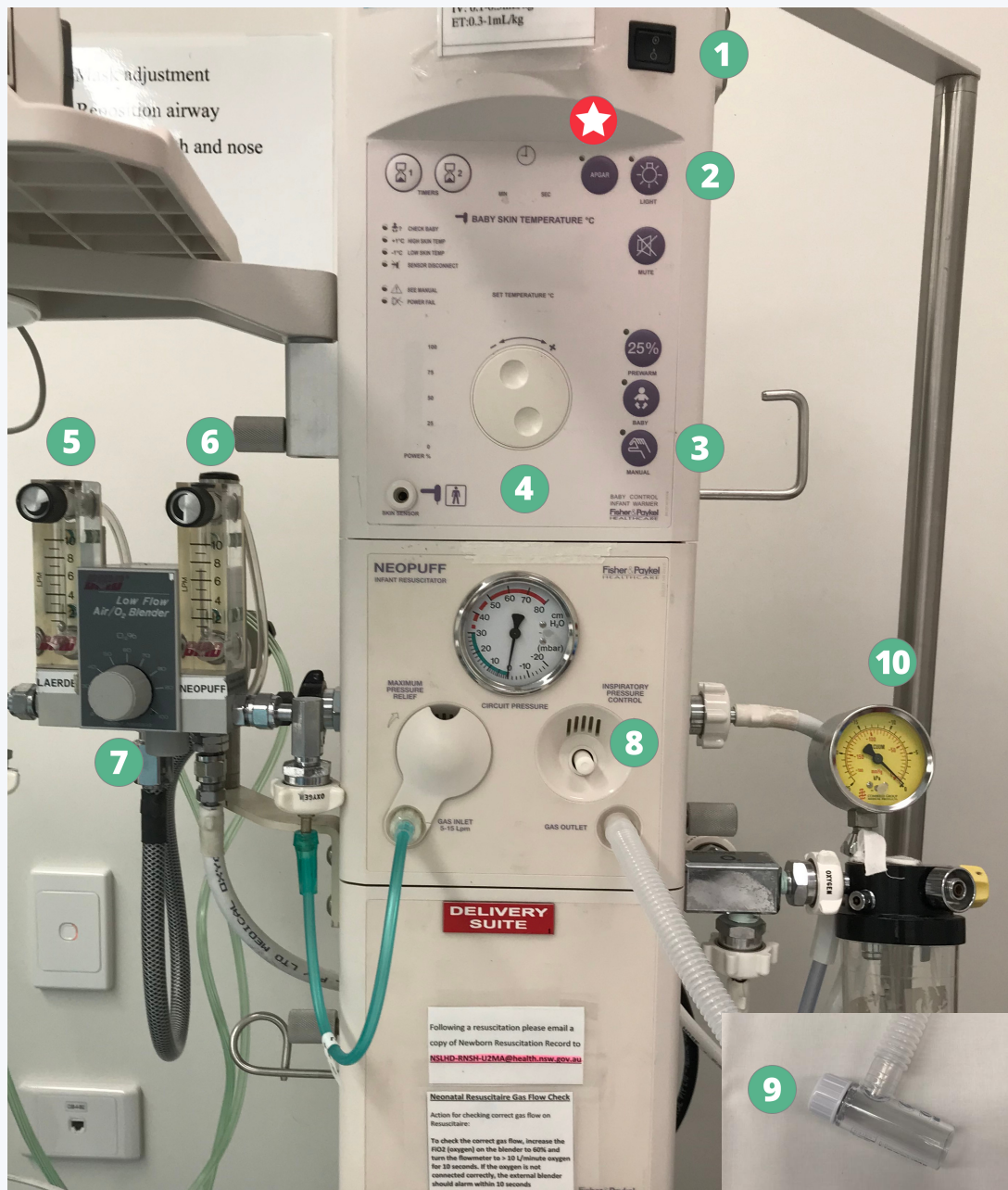
(e.g. Vasa Previa)



O neg 10-20 mL/kg

RESUSCITAIRE CHECKS

Fisher & Paykel



1. Power ON

2. Light ON

3. Press MANUAL

4. Warmer 100%

5. BVM flow 10 L/min

6. Neopuff flow 10 L/min

7. FiO2 0.21

8. PIP

a. Term 30 cm H2O

b. Prem 25 cm H2O

9. PEEP 6 cm H2O

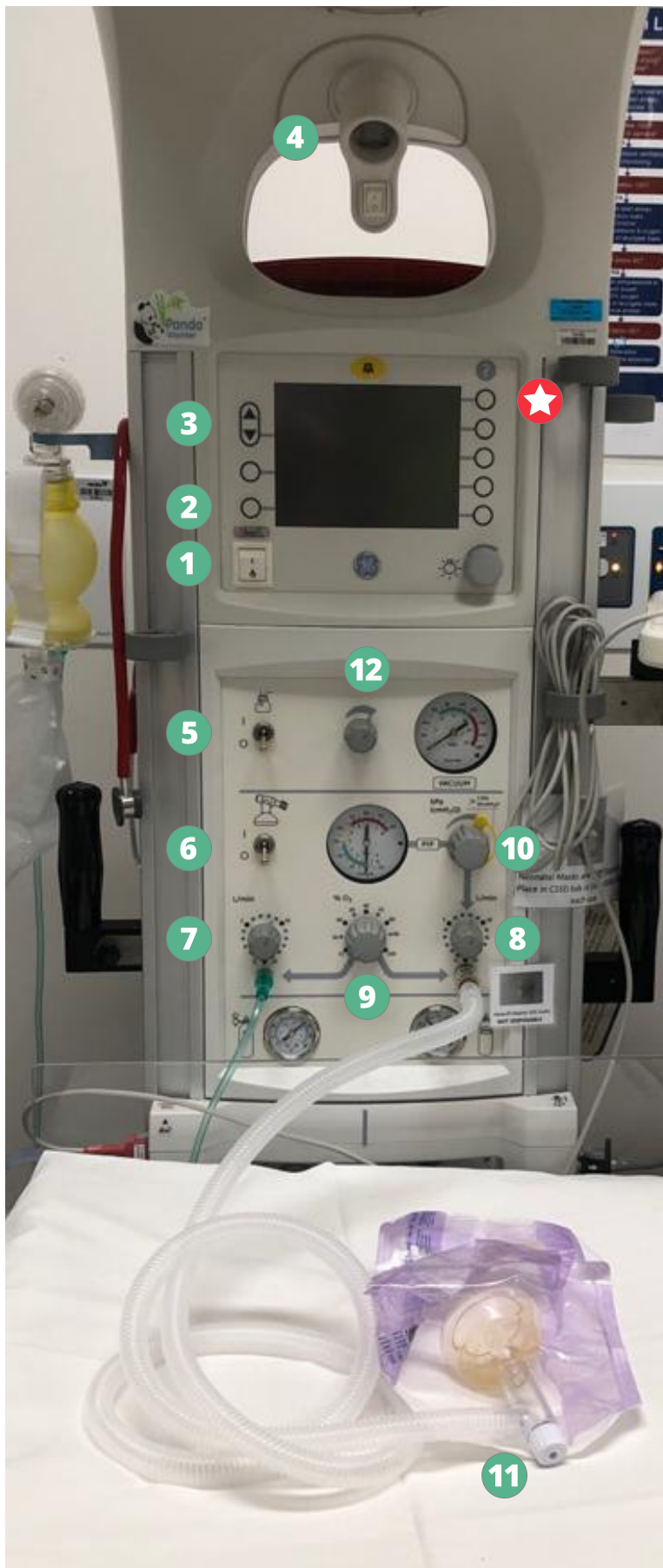
10. Suction ON 80-100 mmHg



APGAR timer ON as baby received

RESUSCITAIRE CHECKS

Panda



1. Power ON
2. Admit baby
3. Warmer 100%
4. Light ON
5. Suction ON
6. Ventilation ON
7. BVM flow 10 L/min
8. Neopuff flow 10 L/min
9. FiO2 0.21
10. PIP
 - a. Term 30 cm H2O
 - b. Prem 25 cm H2O
11. PEEP 6 cm H2O
12. Suction at 80-100 mmHg

★ APGAR timer ON
as baby received