

Day 4 of ICU

Ella

Age: Day 4 of life

wgt: 2.4kg

Surgical Admit

Admitting Diagnosis:

Management & repair of Gastroschisis

Previous History: Anti-natal diagnosis at 22wks gestation,
amnio completed- NAD, no other structural abnormalities noted
IUGR
Anti-natal steroids

History on Admission: Elective induction at 37wks. Normal vaginal delivery.
Stabilised in NICU, IV access x1 inserted, fluid bolus, organs wrapped for immediate transfer to PICU.
Defect- Portion of large intestine, moderate section of small intestine and ovary visible.

PICU History:

DAY 1- Electively intubated in Theatre for full closure of defect.

Did not require silo sac.

CVC- RIJ inserted

ART Line- right radial inserted

Fluid resus 20mls/kg crystalloid, 20ml/kg 5% Albumin first 24hrs.

Post-op = atracurium, morphine & midaz for at least 24 hrs, reg IV paracetamol.

Triple antibiotics, NG tube on free drainage with hourly aspirates - ml for ml replacement of NG aspirates.

DAY 2- Commenced TPN (80ml/kg total intake including drugs & infusions)

Raised lactates resolving- acidotic

Continued morphine & midazolam, D/C atracurium at midday. Reg IV paracetamol

Aim COMFORT Score 10- keep flat.

Full vent support, high peak pressures to maintain TV >5ml/kg

Bedside screen- failed not ready for Spontaneous breathing trial

DAY 3- Aim COMFORT 14-17, Lighten sedation.

Morphine @20mcg/kg/hr, midaz weaned to 1mcg/kg/min

Ventilation weaned to spontaneous CPAP/PS mode

Bedside Screen – failed on pressures, not ready for SBT

DAY 4- Morphine @10mcg/kg/hr, midaz d/c at 0600

Remains Nil PO, NG aspirates 2hrly with ml for ml replacement.

Ventilation weaned overnight

DAY 4 ICU - Nurse handover

RESP:

3.0 nasal @ 9.5cm tapes secure
Weaned to spontaneous mode yesterday
Ventilation – PS/CPAP
Overnight- Peep weaned to 6, PS weaned to 10
Maintaining TV 5-6mls/kg
FiO2 – 30%- 35%
SaO2- 95-100%
RR 35-40 no apnoeas/ no desats
Physio reviewed- right upper lobe collapse post-op, resolved on latest C-xray. No treatment needed.
Secretions minimal & mucoid
Failed bedside screen yesterday- PIP too high.
Rescreened at 0600 –Passed
Started SBT @ 0630 –currently 1.5hrs into tolerating well so far, no apnoeas, desats or increased WOB.

CVS:

HR 130-150's at rest, 160's on handling.
BP satisfactory MAP 38-35
No fluid boluses ,No inotropes.
CRT 2sec central, 2.5 to peripheries.
Femoral pulses palpable.
Access – RIJ CVC, Right radial art, PVL removed yesterday. All access flushed & secure
24hr albumin & frusemide regime completed
Less oedematous flanks, limbs & periorbital

BLOODS:

U&E- Potassium challenging,
3x potassium bolus in 24hrs
Renal function & LFTs normalising
Co-ag normal, HB 127, CRP down 23

NEURO:

GCS 9/15 – unable to open eyes – puffy
Unable to check pupils- responding appropriately to pain/handling.
Fontanelle soft
COMFORT Aim 14-17 previously
Actual 14- 21 – required 2x morphine bolus for handling/cares
Decreased morphine to 10mcg/kg/hr@ 0600
Midazolam D/C at 0600
Regular IV paracetamol

GI:

Continued on TPN @80ML/kg, total intake with meds/infusions 103ml/kg
Blood sugar stable
Abdo significantly distended but remains pink/ well perfused- surgeons reviewed happy
Wound intact
NG remains on 2hrly aspirates. 74mls bilious aspirate out & replaced ml for ml with 0.9%NaCl & 10mmol KCL

GU:

UOP 2.7ml/kg TDS frusemide
Balance -30ml this morning
Overall balance +300mls oedema resolving
Urinary catheter in situ.
Not passed stool.

INFECTION:

Benzypen D4, Flagyl- D4, Gentamicin D4- level checked & satisfactory
To complete 7-10 days as per micro

Access:

ET	D4
RIJ	D4
Art line	D4
NG	D4
Urinary cath	D4

SKIN:

Nursed on repose air mattress, pressure areas intact.

SOCIAL:

Mum now discharged from maternity hospital & expressing EBM to freeze.

PLAN FOR TODAY:

- Uncomplicated post-op course
- VENTILATION- Currently on PS/CPAP appears to be tolerating Spontaneous Breathing Trial well. Will review after the round & most likely extubate.
- Keep nil PO in view of aspirates
- Adjust TPN to accommodate potassium requirements
- Room to wean morphine. Keep comfortable & pain free, but aim for COMFORT 12-17