THE BABY WITH GREEN TEETH

CPAP CASE STUDIES

DR. MAGDALENE KURIA
History of baby E.O.

- Born SVD in casualty at ~28 weeks gestation on 4/7/2014

- Baby weighed 1200gram and was not given Apgar score
Day 1

• Baby admitted to Newborn Nursery
• Prematurity and hypothermia
• Stabilised after warming and oxygen
• Started on first line antibiotics IV fluids
Day 3

• High fever
• Clinically jaundiced
• Serum bilirubin's not done
• Phototherapy commenced
• Urinalysis NAD
Day 4, 5,6

- Apnoea episodes
- Resuscitated many times
- Hb: 10.2 g/d
- Transfused
- Rectal Aminophylline on going
- Weight 950g still on fluids
Day 7-10

- Off oxygen
- Tolerating trophic feeds
- Jaundice
- Total bilirubin 178umol/l
- Direct bilirubin 55.3
- Indirect 123
Day 13

- NEC
- Day 11 started having aspirates
- Blood culture courtesy of Aga Khan hospital grew Klebsiela sensitive to Meropenem
Day 13-61

- Day 13-30:
  - Jaundice
  - GI Bleeding

- Day 30-61:
  - Peace and growth weight went up to 1650g

- Day 61: Aspirated on first cup/spoon feed

- **Severe respiratory distress managed on CPAP**
Day 75

• Discharged: at 2000g breast feeding fully

• Follow up in POPC and Occupational therapy

• Still jaundiced

• Currently the sclera is white but her teeth are yellowish green
A miracle in our tiny nursery with many challenges at 18 months old
Lessons

• First cases of CPAP
• CPAP used in aspiration pneumonia successfully
• Started journey successful use of CPAP at Kisumu County Hospital
THE BABY WHO SWALLOWED KEROSENE

CPAP CASE STUDIES

DR. MAGDALENE KURIA
Day 1

• 3 year old with cerebral palsy
• Kerosene inhalation: drunk 150ml of kerosine
• Admitted to Pediatric Ward for observations
• Respiratory rate normal, no fever
Day 2

- Developed respiratory distress after aspirating milk
- RR: 100 bpm
- SPO\textsubscript{2} decreased to 84%
- **Started CPAP**
- Chemical pneumonitis + aspiration pneumonia
Day 3-5

• Persistent Respiratory distress
• Day 5:
  – No longer required oxygen but still on CPAP
Day 7

• Off CPAP fully recovered
Lessons

• CPAP can be used outside of traditional cases
  – Pneumonia
  – Sepsis
  – RDS
THE BABY WITH TB

CPAP CASE STUDIES
DR MAGDALENE KURIA
Day 1

• 1 year old, 6 kg
• Admitted to Pediatric Ward:
  – Chronic cough (3+ weeks)
  – Weight loss
  – Malnutrition
• Treated for SEVERE Pneumonia
  – Started Penicillin & Gentamicin for 5 days
• **Started CPAP on arrival**
• Increased respiratory rate
• Crepitations
Day 5

• Started 2\textsuperscript{nd} line:
  – Ceftriaxone
  – Amikacin

• Continued on CPAP
Day 7

• Not improving
• X-ray ordered, NOT done
• Continued antibiotics
• Continued CPAP (with respiratory distress)
Day 10

• X-ray done
  – Showed opacities (highly suggestive of TB)
• Started on anti-TB treatment same day
Day 14

- Respiratory distress decreased
- Patient discontinued from CPAP
Lessons

• CPAP is not treatment
  – Must get cause of Respiratory Distress and treat
• CPAP is supportive therapy
• Questions:
  – Why the green teeth?
  – Chemical Pneumonitis?
  – TB?

THANKS