



Managing a sick child with metabolic disorder in the ICU

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Problem list

- Drowsiness, poor feeding, vomiting, hypotonia
- Jaundice
- History of previous neonatal death
- Leukopenia
- Wide gap metabolic acidosis
- CSF gram stain: gram negative diplococci



Differential diagnosis

- **Infection: neonatal sepsis, meningitis, encephalitis**
- **Inborn errors of metabolism**
- **Intracranial cause: hemorrhage, brain anomalies**
- **Electrolyte imbalance**

Clinical presentations suggest inborn errors of metabolism

Neonatal – 6 months

lethargy, coma

hypotonia

convulsion

dyspnea & tachypnea

poor feeding

persistent vomiting

failure to thrive

hepatomegaly

unusual odor of body

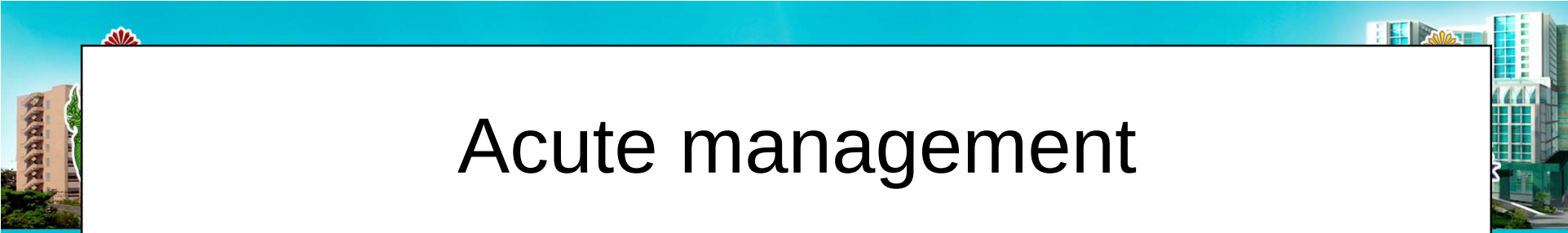
excretion, urine

Hx of previous

neonatal death or

stillbirth

Hx of consanguinity



Acute management

Fluid, electrolyte and nutrition

- **NPO**
- **Adequate hydration**
- **Correct electrolyte & metabolic imbalance & appropriate follow up**
- **Correct hypoglycemia (if present)**