### Overview:

1. **Bronchiolitis: recognition, stabilisation, transport, and management on PICU**  
   CATS webinar. A comprehensive overview of bronchiolitis including - differential diagnosis, initial & emergency management, anaesthesia, intubation & ventilation. Case-based scenarios are used & practical & logistical guidance is offered.

### Fundamentals:

   UK guideline for the diagnosis & management of children with bronchiolitis. Interventions are evidence-based & contraindications are highlighted.

2. **CPAP: Principles and clinical context**  
   CPAP - indications, contraindications, key signs of respiratory failure & ABCDE respiratory assessment, principles of safety - sizing of interface & ensuring gas flow, MDT collaboration

3. **ETT taping - Clinical Context & Safety**  
   This resource identifies the key aspects of planning, preparation & safety regarding ETT taping or re-taping.

4. **How to perform chest auscultation & interpret the findings**  
   Journal article explains the clinical procedure for chest auscultation and provides a guide to interpreting findings.

5. **Blood gases: the basics**  
   An introduction to blood gas analysis

6. **Fluid Balance Scenarios in Paediatrics**  
   A set of 4 scenarios originating from the NICE guideline. (i) routine fluid requirement, (ii) hypovolaemia, (iii) a positive fluid balance & pulmonary oedema (iv) DKA fluid replacement & balance, including glucose & electrolyte management.

### Extension Learning:

1. **Recognition of the deteriorating child - Damian Roland**  
   Recognition & differentiation of the deteriorating infant or child. Challenges, cautions & strategies for appropriate care.

2. **Non-invasive respiratory support - HFNC, CPAP & BiPAP: PCCS Bronchiolitis Webinar 1.4**  
   This session was delivered as part of the main PCCS webinar 1. Dr Padmanabhan Ramnarayan. Assessment of & decision-making for the infant or child who requires non-invasive respiratory support. Indications, cautions & consideration of the evidence base. Mild, moderate & severe disease. Hierarchy of therapies: low flow O2, HFNC, CPAP & BiPAP.

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**Profile**

I am a **Paediatric Nurse**, working in **General Paediatrics / HDU**  
I want to know how to look after an infant in Critical Care L3, PICU

**Time to complete**

- **Fundamentals**  
  1 hr, 18 min
- **Extension**  
  0 hrs, 32 min

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**Last updated March 2022**