

Rapid Access List of Resources

Profile

 I am an **Adult Nurse**, working in **Paediatric ICU**

I want to recognise, assess, and care for a child with respiratory distress who requires intensive care interventions.

Time to complete

 Fundamentals **2 hrs, 1 min**

 Extension **0 hrs, 50 min**

Please note: The linked resources below require an **elfh** account. You can learn how to register on the [Respiratory Surge in Children programme page](#).

Fundamentals:

- 1** [Vital Signs Parameters - APLS UK – Paediatrics](#)

Vital signs parameters collated from the APLS manual (UK Resuscitation Council) (2016) - detailed table of values from birth to adult, including - age, weight, respiratory rate, heart rate, and systolic blood pressure. **(APLS UK)**

PDF **8 min**
- 2** [ETT taping - Clinical Context & Safety](#)

This resource identifies the key aspects of planning, preparation & safety regarding ETT taping or re-taping.

PDF **8 min**
- 3** [Re-ACT Talks: Deterioration: How to Spot the Sick Child](#)

This NHS England video provides guidance about the presentation and identifying features of seriously ill children, presented by an Emergency Medicine consultant. This includes risk stratification, clarifying points for history taking, and examination. It also briefly discusses presentations with fever and signposts to additional resources. **(NHS England)**

Video **10 min**
- 4** [Recognition and initial management of the deteriorating child – Resus Council UK](#)

This PowerPoint presentation introduces the importance of and techniques for performing a structured ABCDE approach to rapidly identify seriously ill children. **(Resuscitation Council UK)**

PowerPoint **30 min**
- 5** [Clips of abnormal breathing in infants and children](#)

Short video clips from Healthier Together showing grunting, recession, croup, head bobbing, abdominal breathing, and a quick guide to counting respirations in a child and baby. **(Healthier Together)**

Video **10 min**
- 6** [Recognition of the deteriorating child - Damian Roland](#)

Recognition and differentiation of the deteriorating infant or child. Challenges, cautions and strategies for appropriate care **(Damian Roland)**

Webinar **12 min**
- 7** [Non-invasive Respiratory Support in Bronchiolitis](#)

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 **(Padmanabhan Ramnarayan)**

Webinar **18 min**
- 8** [CPAP - Principles & Clinical Context](#)

CPAP - mechanism of action, indications & contraindications. Key principles for selecting & fitting nasal pieces & ensuring gas delivery. Recognition of respiratory failure & assessment of respiratory status. The hierarchy of therapies & some key principles regarding the selection of respiratory support. **(LTLC)**

PowerPoint **15 min**
- 9** [Fluid calculations \(worked examples\) for infants & children in hospital](#)

Worked examples of fluid allowance calculations using the Holliday-Segar formula. These are based on the NICE guideline for IV fluid maintenance for Children & Young People in Hospital.

PDF **10 min**

Last updated November 2021



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Extension Learning:

- | | | | |
|----------|--|-------------------|---------------|
| 1 | <p><u>NICE guideline – IV Fluid Therapy in Children and Young People in Hospital</u></p> <p>NICE guideline for IV fluid management, according to different clinical circumstances. Includes 6 situation-specific algorithms to guide clinical practice. (NICE)</p> | PDF | 10 min |
| 2 | <p><u>Fluid Balance Scenarios in Paediatrics</u></p> <p>A set of 4 scenarios originating from the NICE guideline. Inclusion - (i) a routine fluid requirement, (ii) hypovolaemia, (iii) a positive fluid balance & pulmonary oedema (iv) DKA fluid replacement & balance with glucose & electrolyte management. (LTLC)</p> | PowerPoint | 40 min |

