

## Profile I am a hospital doctor

I want to revise bronchiolitis and the child with deteriorating symptoms, maximise my interactions with patients and parents.

Additional content for key skills, ED-specific challenges and managing paediatric cases in adult settings.

## Time to complete

Fundamentals **1 hrs, 40 min**

Extension **2 hrs, 9 min**  
+ NICE guideline

Additional **30 mins each**

## Fundamentals:

- 1** [RSV surge background & PHE: PCCS Bronchiolitis Webinar 1.1](#) Video **7 min**

Dr James Fraser. RSV surge background - PHE modelling & the possible implications for paediatric services in the UK. This session was delivered as part of the main PCCS webinar 1.
- 2** [PHE Guidance: RSV Symptoms, transmission, prevention, treatment \(Public Health England\)](#) Text **8 min**

An overview from Public Health England giving brief information regarding RSV symptoms, transmission, prevention and treatment. There are links to access the most recent respiratory reports from PHE.
- 3** [RCPCH guidance](#) Infographic **5 min**

This RCPCH infographic provides a one-page summary of 2021 key guidance for those caring for children with possible bronchiolitis or lower respiratory tract infections. It includes a quick overview of pre-hospital care, diagnostic testing requirements, cohorting, PPE, and effects related to regional prevalence.
- 4** [Recognition & differentiation of the deteriorating child: PCCS Bronchiolitis Webinar 1.2](#) Video **13 min**

Dr Damien Roland. Recognition & differentiation of the deteriorating infant or child. Challenges, cautions & strategies for appropriate care. This session was a delivered as part of the main PCCS webinar 1.
- 5** [The Paediatric Assessment Triangle \(DFTB\)](#) Text **5 min**

On overview of a well-known evaluation tool for differentiating the sick child from the well child based on initial clinical assessment. It delves into the three aspects of the Paediatric Assessment Triangle: appearance, breathing and circulation and analyses its efficacy at identifying unstable patients by various cohorts of medical practitioners.
- 6** [Clips of Abnormal respiratory signs in Children and infants \(Healthier Together\)](#) Video **10 min**

A variety of clips showing grunting, recession, croup, head bobbing, abdominal breathing and a quick guide to counting respirations in a child and baby.
- 7** [Re-ACT Talks: Scores or Systems: What is a PEWS?](#) Video **9 min**

Scores or Systems: What is a PEWS? - By Damian Roland, Consultant and Honorary Senior Lecturer in Paediatric Emergency Medicine, University Hospitals of Leicester NHS Trust and Leicester University
- 8** [Non-invasive respiratory support - HFNC, CPAP & BiPAP: PCCS Bronchiolitis Webinar 1.4](#) Video **19 min**

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. This session was delivered as part of the main PCCS webinar 1.
- 9** [High Flow Help, a DFTB Blog](#) Text **4 min**

As cases of bronchiolitis increase in the wake of COVID the DFTB team visit some of the more pragmatic aspects of care. In this post, the use of high flow oxygen is reviewed.
- 10** [Paediatric Emergency Drug Chart \(2021\) \(RCUK\)](#) Text **5 min**

This is a PDF of paediatric emergency drug doses and medications set out in a standard format for use in any centre as guidance from the Resus Council (UK, 2021)

Last updated March 2022



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| <b>11</b> | <b><a href="#">10 Thinks: A Message From Parents (DFTB)</a></b> | Infographic outlining ten key messages from parents and caregivers to their child's treating team. The post highlights the importance of maintaining a strong parent-clinician relationship and including family in all aspects of patient care.  | <b>Infographic</b> | <b>5 min</b>  |
| <b>12</b> | <b><a href="#">The Smile Behind The Mask (DFTB)</a></b>         | A blog post reminding us of the importance of maintaining a connection with our patients and their families, especially when our personal protective equipment may be hiding our faces. The post encourages you to put yourself in a child's shoes to see the healthcare setting from their perspective. It provides some practical tips on how we can convey tenderness and warmth and show our smiles behind the masks. | <b>Text</b>        | <b>10 min</b> |

## Extension Learning:

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|----------|---|---|-------------------|---------------|
| <b>1</b> | <b><a href="#">NICE Bronchiolitis in children: diagnosis and management. NICE guideline [NG9] updated August 2021</a></b> | This guideline covers diagnosing and managing bronchiolitis in babies and children. It aims to help healthcare professionals diagnose bronchiolitis and identify if babies and children should be cared for at home or in hospital. It describes treatments and interventions that can be used to help with the symptoms of bronchiolitis.  | <b>Text</b>       |               |
| <b>2</b> | <b><a href="#">The High Yield Respiratory Examination: David Krieser at DFTB19 (DFTB)</a></b>                             | David Krieser presented at the DFTB19 conference on the respiratory examination and assessment. His talk emphasises the high yield components of the examination 'bento box' with a prioritisation of airway and breathing reminding us all to 'look, listen and feel'. Viewers are invited to test their recognition of signs of deterioration in the respiratory patient with three case studies. | <b>Video</b>      | <b>30 min</b> |
| <b>3</b> | <b><a href="#">Bronchiolitis case presentation: progressing through level 1, level 2 and level 3 care</a></b>             | This presentation walks the viewer through the case of a 17/40 ex-prem baby presenting with cough and coryza. It discusses the escalation of care required from presentation to hospital to level 3 care.   | <b>Video</b>      | <b>41 min</b> |
| <b>4</b> | <b><a href="#">Prepare For Transport: Costas Kanaris at DFTB19 (DFTB)</a></b>   | An overview of the systematic A-E approach to stabilising a sick child for transport; includes rationale behind considerations such as choice of induction agents, vasoactive agents; fluids and antimicrobials. Stresses importance of teamwork and communication to achieve best possible patient outcome.  | <b>PowerPoint</b> | <b>20 min</b> |
| <b>5</b> | <b><a href="#">Medication considerations in acute bronchiolitis: PCCS Bronchiolitis Webinar 2.5</a></b>                   | Dr Andrew Wignell. Pharmacology in bronchiolitis - review of the NICE guideline. Necessity of supportive management - oxygen & hydration. This session was delivered as part of the main PCCS webinar 1.  | <b>Webinar</b>    | <b>21 min</b> |
| <b>6</b> | <b><a href="#">Emotional contagion (DFTB)</a></b>   | This talk discusses how our emotions and behaviours at work affect those around us. As we experience even higher pressure during surge times, we need to bear in mind how we can improve the work place for everyone.   | <b>PowerPoint</b> | <b>17 min</b> |



## Additional Content

### Skills refresher:

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|----------|--|--------------|---------------|
| <b>1</b> | <b><u><a href="#">Distraction in Action - Helping a Child During Medical Procedures</a></u></b>  | <b>Video</b> | <b>3 min</b>  |
|          | A video showing different ways we can distract children and young people during painful or invasive procedures.  |              |               |
| <b>2</b> | <b><u><a href="#">Ultrasound guided peripheral venous access (DFTB)</a></u></b>  | <b>Text</b>  | <b>15 min</b> |
|          | A guide to using ultrasound to gain peripheral venous access   |              |               |
| <b>3</b> | <b><u><a href="#">Basic Principles of Blood Gases and Interpretation of Results - Yorkshire and Humber PCC ODN</a></u></b>   | <b>Video</b> | <b>15 min</b> |
|          | A video looking at the normal value range for blood gases and the interpretation of blood gases looking at: compensated or uncompensated, metabolic or respiratory and looking at the wider clinical picture |              |               |

### Those working in the Emergency Department:

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| <b>1</b> | <b><u><a href="#">Outflow Block: Managing the Emergency Department in a Respiratory Surge (DFTB)</a></u></b>  | <b>Text &amp; video</b> | <b>25 min</b> |
|          | With the upcoming predicted respiratory surge, it is likely that we will find our EDs full, potentially also with a full hospital and PICU. It's therefore important to start planning for the consequences of this now. This blog and embedded video from DFTB concentrate on 3 key areas: Departmental Flow, Staff Wellbeing and Morale, Diagnostic and in-patient dilemmas (i.e. RSV vs Covid) |                         |               |
| <b>2</b> | <b><u><a href="#">Safety Netting for Bronchiolitis (DFTB)</a></u></b>   | <b>Text</b>             | <b>5 min</b>  |
|          | This blog from DFTB discusses bronchiolitis in the context of the three core components of safety netting: 1. If I am right, what do I expect to happen? 2. How will I know if I am wrong?, 3. What would I do then?  |                         |               |
| <b>3</b> | <b><u><a href="#">Discharging babies with bronchiolitis from the Emergency Department (DFTB)</a></u></b>  | <b>Infographic</b>      | <b>2 min</b>  |
|          | This infographic from DFTB reminds of when we can discharge babies from the ED and information we should be providing upon discharge  |                         |               |

### Those working in Resus or Adult ICU:

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|----------|---|----------------|---------------|
| <b>1</b> | <b><u><a href="#">Lockie: KIDS - Just Little Adults? (ICN)</a></u></b>  | <b>Audio</b>   | <b>20 min</b> |
|          | A podcast with accompanying slides providing guidance on the timely recognition and management of the sick/critically unwell child; why physiological differences between adults and children demand certain/nuanced practices in their stabilisation; and key differential diagnosis to consider that may masquerade as respiratory disease. |                |               |
| <b>2</b> | <b><u><a href="#">The medical aspects of managing children on Adult ICUs</a></u></b>  | <b>Webinar</b> | <b>20 min</b> |
|          | A guide to using ultrasound to gain peripheral venous access  |                |               |
| <b>3</b> | <b><u><a href="#">Managing bronchiolitis in adult ICUs - Part 2 (PCCS)</a></u></b>  | <b>Webinar</b> | <b>21 min</b> |
|          | A video looking at the normal value range for blood gases and the interpretation of blood gases looking at: compensated or uncompensated, metabolic or respiratory and looking at the wider clinical picture  |                |               |

