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| **Level 1)**  Knowledge of theory | | | | |
| **Rationale** | **Performance Indicators** | **Demonstration of experience and supporting evidence** | **Witnessed by:**  **Date:** | **Evidence ID:** |
| Identify, classify and manage asthma attacks in accordance with current evidence based guidelines and within your scope of professional practice and competence | 1. Aware of the pathophysiological differences between healthy/stable airways and the airways during an asthma attack | Discussion  Q&A |  |  |
| 1. Knows common differential diagnoses for acute respiratory symptoms in children | Discussion  Q&A |  |  |
| 1. Aware of the range of severity of asthma attacks and the importance of clarifying this in every child presenting with an asthma attack | Discussion  Q&A |  |  |
| 1. States the physical assessment and observations required to classify the severity of an asthma attack | Discussion  Q&A |  |  |
| 1. Knows that a child’s age determines their normal physiological markers and that the findings of assessment and measurement will vary accordingly - guidelines should be followed | Discussion  Q&A |  |  |
| 1. Describes the broad treatment options for managing asthma attacks | Discussion  Q&A |  |  |
| 1. Recognises that asthma is a long term condition and that an asthma attack is a serious and potentially life threatening event that should not normally occur | Discussion  Q&A |  |  |
| 1. Aware of safe discharge in line with evidence based guidance | Discussion  Q&A |  |  |

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| **Level 2)**  **Understanding of theory** | | | | | | |
|  | **Performance Indicators** | | | **Demonstration of experience and supporting evidence** | **Witnessed by:**  **Date:** | **Evidence ID:** |
|  | 1. Describes the pathophysiological differences between stable airways and the airways during an asthma attack and how that may change in children of different ages | | | Discussion  Q&A |  |  |
| 1. Outlines the presentation of common differential diagnosis in children presenting with acute respiratory symptoms | | | Discussion  Q&A |  |  |
| 1. Knows the range of severity of asthma attacks and understands how the severity of an asthma attack is classified | | | Discussion  Q&A |  |  |
| 1. Describes the physical assessment and objective measurements of an initial assessment for a child experiencing an asthma attack | | | Discussion  Q&A |  |  |
| 1. Identifies the severity of an asthma attack correctly based upon the findings of the initial assessment | | | Discussion  Q&A  Reflection |  |  |
| 1. Explains the role of the range of treatment options used in the management of asthma attacks | | | Discussion  Q&A  Reflection |  |  |
| 1. Familiar with the standard long term management approach for asthma in children and the importance of effective inhaler technique | | | Discussion  Q&A |  |  |
| 1. Understands safe discharge in line with evidence based guidance including criteria for discharge and discharge advice | | | Discussion  Q&A |  |  |

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| **Level 3)**  Application (competence) to practice | | | | |
|  | **Performance Indicators** | **Demonstration of experience and supporting evidence** | **Witnessed by:**  **Date:** | **Evidence ID:** |
|  | 1. Applies understanding of pathophysiology to the immediate management of an asthma attack | Observation  Discussion |  |  |
|  | 1. Identifies or excludes common differential diagnoses in children presenting with acute respiratory symptoms and takes appropriate action | Discussion  Observation  Reflection |  |  |
| 1. Identifies correctly the markers for the range of severity of asthma attacks across the age range | Discussion  Observation  Reflection |  |  |
| 1. Performs the initial assessment of children having asthma attacks in accordance with evidence based guidelines | Discussion  Observation  Reflection |  |  |
| 1. Utilises the findings of the initial assessment to apply the classification of severity of asthma attacks in children across the age range | Discussion  Observation  Demonstration |  |  |
|  | 1. Delivers pharmacological treatment to children across the age range experiencing asthma attack, monitors response to treatment and recognises when escalation is required \* | Observation  Demonstration |  |  |
|  | 1. Performs a brief assessment of long term management to determine adherence with prevention treatment and inhaler technique and providing appropriate education as required | Observation  Demonstration |  |  |
|  | 1. Recognises when a child is safe to discharge and delivers safe discharge advice in accordance with evidence based guidelines | Observation  Demonstration |  |  |

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| **Level 4)**  Competence to explain to others/teach (critical understanding) | | | | | | | |
|  | **Performance Indicators** | | | **Demonstration of experience and supporting evidence** | **Witnessed by:**  **Date:** | **Evidence ID:** | |
|  | 1. Demonstrates the difference between stable airways and airways during an asthma attack and relates this to clinical presentations such as wheezing and hypoxaemia | | | Teaching |  |  | |
|  | 1. Analyses common differential diagnoses in children presenting with acute respiratory symptoms with application of clinical evidence and epidemiological factors | | | Reflective writing  Teaching |  |  | |
|  | 1. Discusses the importance of classifying the severity of an asthma attack and how this is used to guide choice and intensity of treatment | | | Reflective writing  Teaching |  |  | |
|  | 1. Explores the individual constructs of an initial assessment and evaluates the challenges and barriers related to their use across the age range and within a variety of settings | | | Reflective writing  Teaching  Audit & dissemination |  |  | |
|  | 1. Considers the implications to the patient and the organisation in cases where the severity of an asthma attack has not been accurately determined | | | Reflective writing  Teaching |  |  | |
|  | 1. Suggests pharmacological treatment strategies appropriate to the level of severity of an asthma attack and when escalation is required \* | | | Reflective writing  Teaching |  |  | |
|  | 1. Analyses the common risk factors for asthma attacks and explores strategies and solutions appropriate to the patient population | | | Reflective writing  Teaching |  |  | |
|  | 1. Evaluates discharge policy and procedures to ensure they meet the standards set out in evidence based guidelines | | | Reflective writing  Teaching  Audit & dissemination |  |  | |

When you have achieved your goals, summarise the evidence you have collected and added to your portfolio:

Baseline self-assessment: Use the framework to help you assess your current level of knowledge, confidence and competence and set your development goals.

Name: Signature: Date:

**Recommended Educational Resources and Supporting Evidence**

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| Level | Evidence/Reading | Education | Resources |
| 1 | British guideline on the management of asthma | eAsthma – a short online NHSE/EfH course  [www.e-lfh.org.uk](http://www.e-lfh.org.uk) | Supporting Children’s Health – a short online course  [www.supportingchildrenshealth.org](http://www.supportingchildrenshealth.org) |
| 2  Above and | Why asthma still kills: The report from the National Review of Asthma Deaths (NRAD) | Assessed educational course e.g. asthma diploma or degree level module  Respiratory Matters <http://respiratorymatters.com/>  Education for Health <https://www.educationforhealth.org/> | National/regional/local updates and workshops – often advertised via NPRANG  [www.nprang.co.uk](http://www.nprang.co.uk)  NICE Clinical Summary <https://cks.nice.org.uk/asthma#!scenario:2> |
| 3  Above and | NICE Quality Standard for Asthma | Assessed educational course e.g. asthma diploma or degree level module  University of the West of England <https://courses.uwe.ac.uk/UZTRUU203/asthma-care-and-management>  Education for Health <https://www.educationforhealth.org/> | London asthma standards for children and young people  [www.healthylondon.org](http://www.healthylondon.org) |
| 4  Above and | Saglani, S et al (2019) Advances in the aetiology, management, and prevention of acute asthma attacks in children. *The Lancet Child and Adolescent Health* **3**(5), 354-364 Turner, S et al (2018) Applying UK real-world primary care data to predict asthma attacks in 3776 well-characterised children: a retrospective cohort study. *Primary Care Respiratory Medicine* 28:28 | Degree or masters level education  University of the West of England <https://courses.uwe.ac.uk/UZTRUU203/asthma-care-and-management> | National asthma and COPD audit (NACAP\_ - Royal College of Physicians  [www.nacap.org.uk](http://www.nacap.org.uk) |

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**Other useful resources**

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| Inhaler technique | UK Inhaler Group (2016) Inhaler standards and competency document  [www.ukinhalergroup.co.uk](http://www.ukinhalergroup.co.uk)  NPRANG Guide to accessing placebo devices  [www.nprang.co.uk](http://www.nprang.co.uk)  Asthma UK inhaler videos  [www.asthma.org.uk](http://www.asthma.org.uk)  Rightbreathe respiratory prescribing tool  [www.rightbreathe.com](http://www.rightbreathe.com) |
| Respiratory assessment and examination | OSCE resources  [www.oscestop.com](http://www.oscestop.com)  Geeky Medic – Clinical Skills/Respiratory Examination  [www.geekymedics.com](http://www.geekymedics.com) |
| Pathophysiology | The Khan Academy  [www.khanacademy.org](http://www.khanacademy.org) |
| Care pathways | Royal College of Physicians and Child Health - Asthma/Allergic Rhinitis Pathway  [www.rcpch.ac.uk](http://www.rcpch.ac.uk) |
| Differential diagnosis | **Cough:** Shields, M. et al (2008) Recommendations for the assessment and management of cough in children. Thorax **63**(Suppl III)  **Bronchiolitis**: NICE (2015) Bronchiolitis in children: diagnosis and management [www.nice.org.uk](http://www.nice.org.uk) **Viral wheeze:** Caudri, D (2017) Multi-trigger and viral wheeze: describing symptoms or defining diseases? *European Respiratory Journal* **50** |

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|  | **Witness register** | | | | | | |
| **Full Name** | | **Job title and place of work** | **Governing body and registration** | **Description of their knowledge, skills, experience and training** | **Linked to Evidence** | **Description of evidence** | **Evidence been signed and dated? Y/N** |
| *E.G – Lucy Nurse* | | *Advanced Nurse Practitioner*  *St Patients Hospital, Nursing land.* | *NMC – 123madeup* | * *Children's Advanced Nurse Practitioner PgDip - 2015* * *Employed as an ANP in Children’s A+E since 2016* * *Has completed Level 4 in the NPRANG Acute Asthma Framework and has an up to date folder - 2019* | *1.1* | *Summary of discussion on the pathophysiology of airways.* | *Yes* |
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