

## Assessing the Competence of Junior Pediatric Doctors in Managing Pediatric Diabetic Ketoacidosis: An Exploration Across Pediatric Care Units

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**Abstract :** Advancing beyond the junior stage of a paediatrician's career is a crucial step where they accumulate essential skills and knowledge. This process prepares them for the challenges they'll encounter throughout their profession, particularly in dealing with paediatric emergencies. This can be especially demanding for trainees specializing in fields like endocrinology, particularly in the management of Diabetic Ketoacidosis (DKA) in the UK. In different societal contexts, junior doctors, whether specializing in pediatrics or other medical fields, are generally expected to possess a fundamental level of knowledge and skills necessary for managing diabetic ketoacidosis (DKA) emergencies. These physicians consistently concurred in recognizing prevalent problems in the healthcare facilities they examined. Such issues include the lack of established guidelines for DKA treatment and the inadequate availability of comprehensive training opportunities. The abstract underscores the critical importance of junior paediatricians acquiring expertise in managing paediatric emergencies, with a specific focus on DKA. Commonly, issues like the lack of standardized protocols and training deficiencies are recurring themes across healthcare facilities. This research proposal aims to conduct a thematic analysis of the proficiency of paediatric trainees in the United Kingdom when handling DKA in various clinical contexts. The primary goal is to assess their competency and suggest effective strategies for comprehensive DKA training improvement.

**Keywords :** junior pediatrician, DKA, standardized protocols, level of competence

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