



## Understanding Diabetic Ketoacidosis (DKA) in Clinical Practice

Early recognition and treatment are critical.

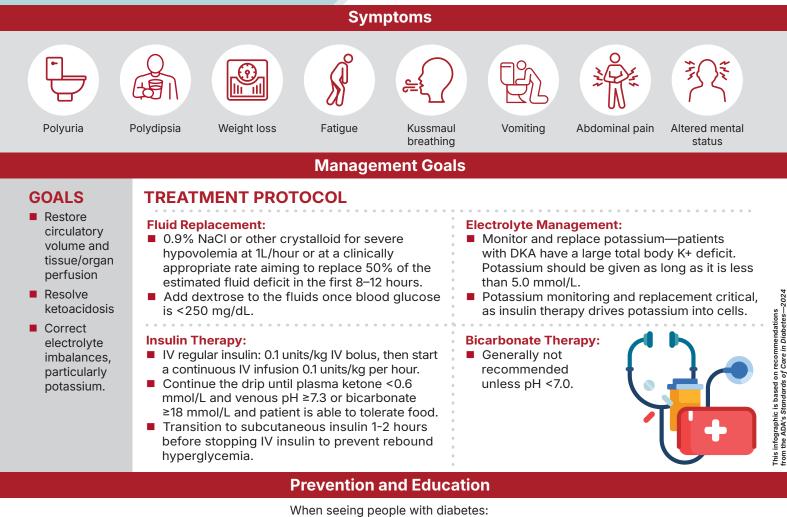
- DKA is a life-threatening complication of diabetes caused by a lack of insulin, leading to hyperglycemia, ketosis, and metabolic acidosis.
- Occurs primarily in type 1 diabetes but can also occur in type 2 under certain stress conditions (infection, trauma, etc.).

## Pathophysiology and Diagnostic Criteria

Insulin insufficiency/deficiency +/- triggers

(new-onset type 1 diabetes, insulin omission, infection, myocardial infarction, surgery, substance use)

- Diabetes/hyperglycemia: Glucose ≥200 mg/dL (11.1 mmol/L) OR prior history of diabetes
- Ketosis: β-Hydroxybutyrate concentration ≥3.0 mmol/L OR urine ketone strip 2+ or greater
- Metabolic acidosis: pH <7.3 and/or bicarbonate concentration <18 mmol/L</p>



Educate on daily glucose monitoring, ketone monitoring, sick-day management, maintaining hydration, and adjusting insulin doses.

Emphasize the importance of early medical intervention. If symptoms of DKA appear, recommend immediate follow up with healthcare professional

Learn more at professional.diabetes.org | 1-800-DIABETES (800-342-2383)

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