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Cystic fibrosis-related diabetes: The unmet need

Pozo L *et al.* CF-related diabetes

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Abstract

Cystic fibrosis (CF) is a common autosomal recessive disease. Life expectancy of patients with CF continues to improve mainly driven by the evolving therapies for CF-related organ dysfunction. The prevalence of CF-related diabetes (CFRD) increases exponentially as patients' age. Clinical care guidelines for CFRD from 2010, recommend insulin as the mainstay of treatment. Many patients with CFRD may not require exogenous insulin due to the heterogeneity of this clinical entity. Maintenance of euglycemia by enhancing endogenous insulin production, secretion and degradation with novel pharmacological therapies like glucagon-like peptide-1 agonist is an option that remains to be fully explored. As such, the scope of this article will focus on our perspective of glucagon-like

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Dec 01, 2010 · **Cystic** fibrosis-related **diabetes** (CFRD) is the most common comorbidity in people with **cystic** fibrosis (CF), occurring in ~20% of adolescents and 40–50% of adults ().While it shares features of type 1 and type 2 **diabetes**, CFRD is a distinct clinical entity.

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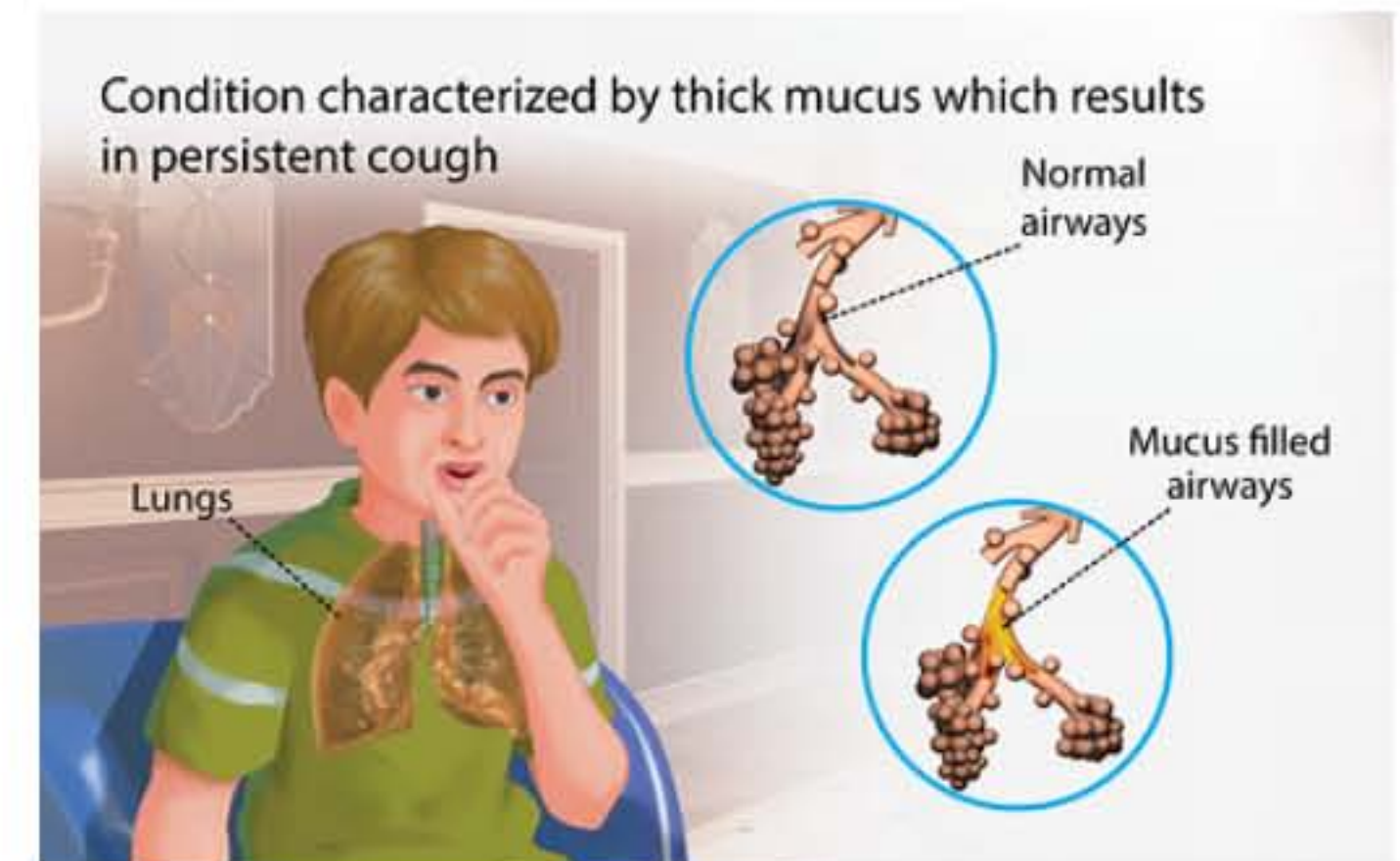
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Clinical Care Guidelines for Cystic Fibrosis-Related Diabetes: a position statement of the American Diabetes Association and clinical practice guideline of the Cystic Fibrosis Foundation, endorsed by the

Cystic Fibrosis

Medical Condition



A genetic disorder, in which the lungs and the digestive system get clogged with mucus.

🏠 Very rare (Fewer than 20,000 cases per year in US)

🧪 Often requires lab test or imaging

💊 Treatments can help manage condition, no known cure

🕒 Can be lifelong

Caused due to a genetic defect. Symptoms include difficulty in breathing, coughing and poor growth. Though incurable, medications can help in managing symptoms.

Symptoms

CF affects cells that make mucus, sweat and digestive fluids. These fluids