Current Nutritional Support for Cystic Fibrosis Does Not Adequately Address Fat Malabsorption with Enteral Nutrition^{1,2}

Malnutrition in Hospitalized Patients Results in Poorer Outcomes and Higher Treatment Costs



Almost 50% of all patients are malnourished at the time of hospital admission³



4 to 6 days longer hospital length of stay^{4,5}



54% higher likelihood of hospital 30-day readmissions⁶



Up to 300% increase in hospital costs⁵

Clinical Value of RELiZORB^{7,8}

- The only FDA-cleared digestive enzyme product to hydrolyze fats in enteral nutrition
- Clinical evidence in enterally fed patients
- Designed for continuous feeding
- Allows use of low-cost enteral formulas



RELiZORB is a first-of-its-kind digestive enzyme cartridge designed to mimic the function of pancreatic lipase. RELiZORB is indicated for use in pediatric patients (ages 5 years and above) and adult patients to hydrolyze fats in enteral formula.

Characterized by a deficiency in pancreatic enzymes—(including lipase, the enzyme responsible for fat digestion)—exocrine pancreatic insufficiency (EPI) can lead to significant malnutrition and fat malabsorption⁹

Conditions commonly associated with fat malabsorption¹⁰:

- Cystic fibrosis
- Acute or chronic pancreatitis
- Pancreatic cancer or other cancers
- Pancreatectomy
- Short bowel syndrome

More than 50% of critically ill patients without pre-existing pancreatic diseases have EPI^{9,11} - including those with:

- Abdominal surgery
- Chronic liver disease
- Trauma/critical care
- Crohn's disease
- Celiac disease

Fat malabsorption is associated with poor outcomes that can impact digestive symptoms, nutritional status, physical functioning, treatment burden, body image, and pain^{1,12,13}

Consider RELiZORB in Your Cystic Fibrosis Patients Who Require Enteral Nutrition



As Many as Half of All Patients With Cystic Fibrosis Do Not Meet Nutritional Targets Due to Impaired Nutrient Absorption¹

Meet Jamie*

A 25-year-old female with cystic fibrosis who has impaired nutritional status and fat malabsorption

*Fictional patient based on actual patient experience. The information presented is for illustrative purposes only, and not intended, nor implied, to be a substitute for professional medical advice. Individual patient profiles may vary.

Clinical Presentation

- Symptoms of fat malabsorption: diarrhea, bloating, and weight loss on oral diet despite taking maximum dose of oral enzymes
- Weight 40.5 kg (BMI 15.6 kg/m²)

Relevant History

- Consistent weight loss (current weight 40.5 kg, down from 50 kg a year ago)
- End stage lung disease, with FEV₁
 26% of predicted
- Vegetarian diet
- Poor intake due to reduced appetite

Diagnosis

- Cystic fibrosis and end stage lung disease
- Exocrine pancreatic insufficiency with fat malabsorption

Treatment

- Initial treatment focus was improvement of nutritional status, including reduction of fat malabsorption symptoms, to broaden future treatment options
- Despite initial hesitation, the patient agreed to the placement of a gastro-jejunal tube. The patient continued to eat normally during the daytime, but was started on two RELiZORB cartridges with 1 L Vital® enteral formula overnight
- Shortly after starting RELiZORB, the patient reported significant improvement in fat malabsorption symptoms (decreased GI symptoms of diarrhea and bloating)
- The patient's condition continued to improve and she remains on enteral feedings with RELiZORB to supplement her oral diet

RELIZORB is for use with enteral feeding only; do not connect to intravenous or other medical tubing. Medications should not be administered through RELIZORB. Please see Instructions For Use for full safety information at www.relizorb.com.

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