

Home Nutritional Support (Total Parenteral / Enteral Nutrition)

DESCRIPTION

Total parenteral nutrition (TPN), also known as parenteral hyperalimentation, is used for individuals with medical conditions that impair gastrointestinal absorption to a degree incompatible with life. It is also used for variable periods of time to bolster the nutritional status of severely malnourished individuals with medical or surgical conditions. TPN involves percutaneous transvenous implantation of a central venous catheter into the vena cava or right atrium. A nutritionally adequate hypertonic solution consisting of glucose, amino acids, electrolytes, vitamins, and minerals and sometimes fats, is administered daily. An infusion pump is generally used to assure a steady flow of the solution either on a continuous (24-hour) or intermittent schedule. The catheter is kept patent between infusions.

Enteral nutrition (EN) is used for individuals with a functional gastrointestinal tract who are unable to meet nutritional requirements by the oral route. EN can be defined as a life-sustaining therapy and should be considered if an individual's nutritional intake is likely to be qualitatively or quantitatively insufficient for a week or more due to a complex health condition. EN involves administering non-sterile liquids directly into the gastrointestinal tract through a nasogastric, gastrostomy or jejunostomy tubes. An infusion pump may be used to assist the flow of liquids. Feedings may be intermittent or continuous (infused 24 hours a day).

Relizorb® is a single-use, point-of-care digestive enzyme cartridge that connects in-line with existing enteral feeding circuits. Relizorb® is designed to hydrolyze (break down) fats contained in enteral formulas from triglycerides into fatty acids and monoglycerides to allow for their absorption and utilization by the body. This hydrolysis of fats is intended to mimic the function of the digestive enzyme lipase in individuals who do not excrete sufficient levels of the lipase enzyme. Relizorb® is comprised of a clear cylindrical, plastic cartridge with a single inlet connection port and a single outlet connection port. Lipase is covalently bound to small white beads contained within the cartridge. The fat in enteral formulas is hydrolyzed when it makes contact with the lipase.

POLICY

The proposal is to add words or statements in red and delete words or statements with a strikethrough.

- Home nutritional support is considered **medically necessary** if the medical appropriateness criteria are met. **(See Medical Appropriateness below.)**
- The use of in-line cartridges containing digestive enzymes (i.e., Relizorb®) is considered **medically necessary** if the medical appropriateness criteria are met. **(See Medical Appropriateness below.)**
- Home nutritional support (total parenteral nutrition/enteral nutrition) for the treatment of dementia is considered **investigational**.

MEDICAL APPROPRIATENESS

- Home nutritional support is considered **medically necessary** if **ANY ONE** of the following criteria are met:
 - Enteral nutrition (EN) for individuals with **ALL** of the following:
 - Functioning GI tract of sufficient length and conditions to allow adequate nutritional absorption
 - Documentation of malnourishment or risk of malnutrition due to complex medical condition including, but not limited to **ANY ONE** of the following:

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- Increased nutritional requirements (such as burns, cystic fibrosis)
 - Swallowing disorder due to neurological disorder
 - Obstruction due to malignancy
 - Cachexia due to cancer
 - Chronic obstructive pulmonary disease
 - Heart disease
 - Chronic infection
 - Mild to moderate malabsorption/maldigestion due to liver, pancreas, or intestinal diseases
- Use of in-line cartridges containing digestive enzymes (i.e., Relizorb®) with **ALL** of the following:
 - Diagnosis of pancreatic insufficiency due to cystic fibrosis
 - Documented failure of pancreatic enzyme replacement therapy (PERT)
 - ~~Individual is 5 years of age or older~~
 - **Individual is 1 year of age or older**
 - Individual requires enteral nutrition
 - Total parenteral nutrition (TPN) for individuals with **ALL** of the following:
 - Unable to benefit from tube feedings due to severe pathology of the alimentary tract that does not allow absorption of sufficient nutrients including, but not limited to **ANY ONE** of the following:
 - Prolonged gastrointestinal failure
 - Chronic small bowel disease with malabsorption and dysmotility syndrome (e.g., short bowel, fistula)
 - Inflammatory bowel disease
 - Surgical complications
 - Mesenteric vascular disease
 - Radiation enteritis
 - Infants and young children who fail to thrive due to systemic disease or secondary to intestinal insufficiency associated with short bowel syndrome, malabsorption, or chronic idiopathic diarrhea

IMPORTANT REMINDERS

- Any specific products referenced in this policy are just examples and are intended for illustrative purposes only. It is not intended to be a recommendation of one product over another, and is not intended to represent a complete listing of all products available. These examples are contained in the parenthetical e.g. statement.
- We develop Medical Policies to provide guidance to Members and Providers. This Medical Policy relates only to the services or supplies described in it. The existence of a Medical Policy is not an authorization, certification, explanation of benefits or a contract for the service (or supply) that is referenced in the Medical Policy. For a determination of the benefits that a Member is entitled to receive under his or her health plan, the Member's health plan must be reviewed. If there is a conflict between the medical policy and a health plan or government program (e.g., TennCare), the express terms of the health plan or government program will govern.

SOURCES

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EFFECTIVE DATE

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