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Inflammatory bowel disease: Therapeutic limitations and prospective of the stem cell therapy

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Abstract

Inflammatory bowel disease (IBD), consisting primarily of ulcerative colitis and Crohn's disease, is a group of debilitating auto-immune disorders, which also increases the risk of colitis-associated cancer. However, due to the chronic nature of the disease and inconsistent treatment outcomes of current anti-IBD drugs (*e.g.*, approximately 30% non-responders to anti-TNF α agents), and related serious side effects, about half of all

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Inflammatory Bowel Disease

Medical Condition

A group of inflammatory conditions of the colon and small intestine



A group of intestinal disorders that cause inflammation of the digestive tract.

Common (More than 200,000 cases per year in US)

Often requires lab test or imaging

Treatments can help manage condition, no known cure

Can be lifelong

IBD is said to be the result of autoimmune reactions. Inflammatory bowel disease (IBD) presents as Crohn's disease or ulcerative colitis. It may be characterized by diarrhea, abdominal pain and cramping, tiredness, and weight loss. Anti-inflammatory drugs play an important role in the treatment. Surgery is sometimes performed.

Symptoms

Symptoms may vary from mild to severe and include:

- Diarrhea
- Fever
- Fatigue
- Blood in stool
- Bleeding ulcers
- Stomach pain
- Bloating and cramping



Inflammatory Bowel Disease: Therapeutic Limitation



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Inflammatory Bowel Disease patients who receive **stem cell therapy** through us can receive a **systemic administration** of their **stem cells**: **Systemic IV infusion** of their **stem cells** ...

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Inflammatory bowel disease (IBD) is a chronic autoimmune condition that principally consists of two types of illnesses, Crohn's **disease** and ulcerative colitis. These conditions are caused by the body's own immune system attacking components of the digestive track, also known as the gastrointestinal (GI) track.

Stem cell therapy in inflammatory bowel disease: A ...

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What is induced pluripotent stem cell therapy? ▾

What are the different types of stem cell therapy? ▾

What is hematopoietic stem cell therapy? ▾

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