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Mucopolysaccharidosis Type I (MPS I) isa rare genetic disorder that disrupts thebody's ability to break downglycosaminoglycans (GAGs), resulting intheir accumulation in tissues and organs. This buildup leads to progressive damageand dysfunction. MPS I symptoms caninclude developmental delays, organenlargement, and skeletal abmandities while the treatment of the

Overview of Mucopolysaccharidosis Type I Drugs Market MPS I is part of a group of disorderscalled mucopolysaccharidoses (MPS), which are caused by deficiencies inspecific enzymes that break down GAGs. In MPS I, there is a deficiency of theenzyme alpha-L-iduronidase (IDUA), which leads to the buildup of heparansulfate and dermatan sulfate. These substances accumulate in various organs, causing damage to the heart, lungs, and other systems. Severe forms, like Hurler syndrame in the lateral regression of the syndrame in the lateral regression.

Current Mucopolysaccharidosis Type I Treatment Market Landscape Managines Market Landscape Managines Market Landscape The Managines Market Landscape

- 1. Enzyme Replacement Therapy (ERT): Theprimary treatment for MPS I is ERT with laronidase (Aldurazyme), which replaces the missing IDUA enzyme and reduces GAG acount this decay easy in proved by sical acount the large of the
- 2. Hematopoietic Stem Cell Transplantation (HSCT): Used in more severe forms likeHurler syndrome, HSCT can help slow thedisease's progression when done early.However, the procedure for the procedure of the pro
- 3. Gene Therapy (Emerging): Recentadvances in gene therapy have shown promise for MPS I. This therapy aims to introduce a functional copy of the IDUA gene into thepatient's cells, allowing for long-term production of the enzyme. Clinical trials are exploring its petantial to address both physical and neurological symptoms with a single, one-time

Key Drivers of the MPS I Drug Market Street in the Mucopolysaccharidosis Type I

- Increasing Awareness: As awareness of rare diseases, including MPS I, continues to grow, more diagnoses are being made, and treatment opportunities are expanding.
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- * Research and Development Advancements: The rapid expansion of research into MPS I, particularly in gene therapy, is attracting substantial investment. The potential for curative treatments which is the pharmaceutical sector, pushing companies to
- * Government Support: Government initiatives, such as orphan drug status, provide regulatory incentives for the development of treatments for rare diseases. These include extended ক্রেন্সের ক্রেন
- Expanded Access to Treatment: Programs aimed at increasing access to therapies like projection aparticularly increased and project and the project of th

Dhapliteghe ippostitived lig 80 with rung old packets, several challenges still need to be addressed:

- High Treatment Costs: The costs associated with MPS I treatments, particularly enzyme replacement therapy, are a significant challenge. Additionally, stem cell transplants come with high costs and associated risks, which limit access, especially in lower-income
- Limited Treatment Options: While enzyme replacement therapy can alleviate some physical symptoms, no current treatment offers a cure. Available therapies mainlyaddress than also is a light stations of the stations of the

