

# Global Dopamine Cell Replacement Therapy Clinical Trials , Companies & Market Trends Insight 2023

<https://marketpublishers.com/r/GAA8719A92AAEN.html>

Date: April 2023

Pages: 75

Price: US\$ 1,800.00 (Single User License)

ID: GAA8719A92AAEN

## Abstracts

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Global Dopamine Cell Replacement Therapy Clinical Trials, Companies & Market Trends Insight 2023 Report Highlights:

Research Methodology

Global Market Trends, Collaborations, Licensing & Financing

Global Dopamine Cell Replacement Therapy Clinical Trials By Company, Indication & Phase

Dopamine Cell Replacement Therapeutic Approach/Technology Platform By Company

Dopamine Cell Replacement Therapy Future Outlook

Insight On Key Companies Involved In Development Of Dopamine Cell Replacement Therapy

Dopamine cell replacement therapy has emerged as new innovative treatment methodology that has the potential to transform the way neurodegenerative diseases such as Parkinson's are treated. Dopamine is a neurotransmitter that plays a critical role in regulating movement, mood, and motivation. In Parkinson's disease, the dopamine-producing cells in the brain gradually die off, leading to a range of weakening symptoms

such as tremors, rigidity, and difficulty with balance and coordination. This innovative therapy involves transplanting healthy dopamine-producing cells into the brain to replace the damaged or lost cells that are responsible for the symptoms of the disease.

Dopamine cell replacement approach has shown tremendous promise in preclinical studies and early clinical trials, with many patients experiencing significant improvements in their symptoms. In fact, some patients have been able to reduce or even eliminate their reliance on traditional Parkinson's medications, which can have significant side effects and may lose effectiveness over time. The potential of dopamine cell replacement therapy extends beyond Parkinson's disease, as dopamine dysfunction has been implicated in a range of other neurological and psychiatric disorders. For example, some researchers are investigating the use of dopamine cell replacement therapy in treating depression, ADHD, and even Alzheimer's disease.

As the global population ages, the incidence of neurodegenerative diseases is on the rise, leading to a significant unmet medical need. This presents a massive commercial opportunity for pharmaceutical and biotech companies involved in the development and commercialization of regenerative medicines. The potential of dopamine cell replacement therapy is huge, with the ability to offer a long-lasting and effective treatment for patients suffering from Parkinson's disease and other neurodegenerative diseases.

This innovative approach has gained significant attention from the pharmaceutical industry due to its potential to offer a cure for Parkinson's disease and other related conditions. As the therapy gains attention in the market, the competitive landscape for dopamine cell replacement therapy is slowly expanding. Many companies are investing heavily in research and development to advance the therapy, and the competition is driving innovation in the field. This competition is also encouraging strategic collaborations and partnerships, which are crucial for the advancement of the therapy.

Collaborations, licensing, and financing deals are essential factors for the successful commercialization of dopamine cell replacement therapy. Several pharmaceutical and biotech companies have already entered into partnerships to develop and commercialize dopamine cell replacement therapy. For instance, Ryne Biotechnology, a leading developer of cell therapies, has entered into a partnership with FUJIFILM Cellular Dynamics, a leading contract development and manufacturing organization, to develop and manufacture induced pluripotent stem cell-derived dopaminergic neurons for use in cell replacement therapy.

Even though the market of dopamine cell replacement therapy is at its initial stage, there are quite a few companies and research institutions working to bring this treatment in the market. These companies are conducting robust research to develop new and innovative approaches to dopamine cell replacement therapy. Despite the competition, there is ample room for growth and expansion in the dopamine cell replacement therapy market. As the therapy gains regulatory milestones and clinical acceptance, the market is poised for significant growth in the coming years. In addition, the therapy's potential to treat a range of neurodegenerative diseases beyond Parkinson's disease, including Alzheimer's disease, further increases its commercial potential.

Strategic collaborations and partnerships will also play a crucial role in driving the commercial success of the therapy. As the competitive landscape continues to evolve, companies will need to stay ahead of the curve to remain competitive in the market. The companies that are successful in developing innovative and effective dopamine cell replacement therapies will likely gain a significant advantage over their competitors. In conclusion, dopamine cell replacement therapy has the potential to become a game-changer in the treatment of neurodegenerative diseases. With the growing demand for effective treatments, significant market potential, and strong partnerships, dopamine cell replacement therapy is expected to become a commercially successful therapy in the near future.

## Contents

### **1. INTRODUCTION TO DOPAMINE CELL THERAPY**

- 1.1 Utilizing Dopamine To Treat Neurodegenerative Diseases
- 1.2 Evolution of Dopamine Into Cell Replacement Therapy

### **2. DOPAMINE CELL THERAPY - MECHANISM OF ACTION**

- 2.1 Stem Cell Based Approaches
- 2.2 Fetal Cell Replacement

### **3. GLOBAL DOPAMINE CELL REPLACEMENTS THERAPY CLINICAL TRIALS OVERVIEW**

- 3.1 By Company
- 3.2 By Country
- 3.3 By Indication
- 3.4 By Phase

### **4. GLOBAL DOPAMINE CELL REPLACEMENT THERAPY CLINICAL TRIALS BY COMPANY, INDICATION & PHASE**

- 4.1 Research
- 4.2 Preclinical
- 4.3 Phase-I
- 4.4 Phase-I/II
- 4.5 Preregistration

### **5. CURRENT DOPAMINE CELL THERAPY MARKET SCENARIO**

- 5.1 Regulatory Designations
- 5.2 Clinical Stance
- 5.3 Market Trends, Collaborations, Licensing & Financing

### **6. DOPAMINE CELL REPLACEMENT THERAPEUTIC APPROACH BY COMPANY**

### **7. DOPAMINE CELL THERAPY MARKET DYNAMICS**

7.1 Market Drivers

7.2 Market Challenges

## **8. DOPAMINE CELL REPLACEMENT THERAPY FUTURE OUTLOOK**

## **9. COMPETITIVE LANDSCAPE**

9.1 Aspen Neuroscience

9.2 BlueRock Therapeutics

9.3 Sumitomo Pharma

9.4 Tel Aviv University

9.5 The Scripps Research Institute

## List Of Figures

### LIST OF FIGURES

Figure 3-1: Global - Dopamine Cell Replacement Therapy Clinical Trials By Company, 2023

Figure 3-2: Global - Dopamine Cell Replacement Therapy Clinical Trials By Country, 2023

Figure 3-3: Global - Dopamine Cell Replacement Therapy Clinical Trials By Indication, 2023

Figure 3-4: Global - Dopamine Cell Replacement Therapy Clinical Trials By Phase, 2023

Figure 5-1: FDA Drug Approval Pathways

Figure 5-2: Clinical Development Strategy & Drug Approval By FDA

Figure 5-3: Multidisciplinary Product Development Strategies

Figure 6-1: Differentiation of Neural Precursor Cells in TED

Figure 6-2: TED Technology Mechanism

Figure 6-3: Expandability of TED Technology Platform

Figure 6-4: TED Technology used to Develop TED-A9

Figure 6-5: Clinical Pipeline of Aspen Neuroscience

Figure 6-6: Aspen Neuroscience's Autologous Cell Replacement Therapy

Figure 6-7: BlueRock Therapeutics – Authentic Cells

Figure 6-8: Production of MSC-NTF Cells

Figure 6-9: Multiple Applications of Innervace's Technology Platform

Figure 6-10: Innervace - Bioengineered Live Active Neurons

Figure 6-11: Advantages & Opportunities Associated with Innervace's Technology

Figure 6-12: FUJIFILM Cellular Dynamics – Making Induced Pluripotent Stem Cells

Figure 6-13: Sumitomo Pharma – iPS Drug Discovery Technology

Figure 7-1: Dopamine Cell Replacement Therapy Market Drivers

Figure 7-2: Dopamine Cell Replacement Therapy Market Challenges

Figure 8-1: Dopamine Cell Replacement Therapy Future Outlook

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