

Chemotherapy-induced Alopecia Treatment Device Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

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Abstracts

Chemotherapy-induced Alopecia Treatment Device Market Summary

Introduction

Chemotherapy-induced alopecia (CIA) treatment devices, including manual and automated cooling systems, mitigate hair loss for cancer patients (20 million new cases in 2022), with 65% experiencing CIA. The market is driven by rising cancer incidence, psychological impact awareness, and regulatory support like FDA approvals. Innovations like portable cooling and AI monitoring enhance efficacy. The global market is projected to reach between USD 35 million and USD 60 million in 2025, with a CAGR of 9.8% to 13.2% through 2030.

Regional Analysis

North America: The U.S. leads with high cancer rates, while Canada focuses on supportive care.

Europe: Germany, France, and the UK drive demand due to advanced oncology.

Asia Pacific: China and India see growth from rising cancer cases, while Japan emphasizes patient comfort.

Rest of the World: Brazil expands cancer care, and the Middle East invests in oncology

tech.

Application Analysis

Hospitals: Expected growth of 9.9%-13.3%, driven by inpatient care. Trends focus on integration.

Cancer Centers: Projected growth of 10.0%-13.4%, linked to specialized treatment. Developments emphasize efficacy.

Outpatient Clinics: Anticipated growth of 9.7%-13.1%, suited for convenience. Advances prioritize portability.

Type Analysis

Manual Cooling Systems: Expected growth of 9.7%-13.1%, valued for affordability. Trends highlight lightweight designs.

Automated Cooling Systems: Projected growth of 10.1%-13.5%, key for precision. Advances focus on AI control.

Key Market Players

Leading firms include Penguin Cold Caps, offering manual systems; Dignitana, launching DigniCap; Paxman, enhancing scalp cooling; Aspen Systems, supporting cooling tech; Cooler Heads Care, focusing on patient use; Stemtech Medical Devices, innovating in CIA; Polar Cold Caps, boosting accessibility; and Arctic Cold Caps, advancing portable solutions.

Porter's Five Forces Analysis

? Threat of New Entrants: Moderate, due to regulatory and technological barriers, though niche players can enter.

? Threat of Substitutes: Low, as cooling systems are unique for CIA with no direct alternatives.

? Bargaining Power of Buyers: Moderate, with patients seeking effective, affordable devices, though clinical needs limit options.

? Bargaining Power of Suppliers: Low, with multiple component providers.

? Competitive Rivalry: High, with competition on efficacy, portability, and patient comfort.

Market Opportunities and Challenges

Opportunities:

? Cancer (20 million cases) and CIA (65% of patients) drive demand.

? Aging populations (2.1 billion over 60 by 2050) boost needs, while portable and AI-driven devices enhance adoption.

? Insurance coverage (82% in 2023) increases usage.

Challenges:

? High costs of automated systems limit access in low-income regions.

? Limited awareness in rural areas slows growth.

? Regulatory delays for new tech pose barriers.

Market News

? In May 2024, Paxman introduced Scalp Cooling Technology in India with HCG.

? In March 2024, Dignitana initiated DigniCap Delta studies in Italy's Antonio Perrino hospital.

? In October 2023, Dignitana partnered with InfuSystem to expand U.S. scalp cooling access.

Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

3.1 Research Scope

3.2 Research Sources

3.2.1 Data Sources

3.2.2 Assumptions

3.3 Research Method

Chapter Four Market Landscape

4.1 Market Overview

4.2 Classification/Types

4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

5.1 Introduction

5.2 Drivers

5.3 Restraints

5.4 Opportunities

5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

6.1 Upstream/Suppliers Analysis

6.2 Chemotherapy-Induced Alopecia Treatment Device Analysis

6.2.1 Technology Analysis

6.2.2 Cost Analysis

6.2.3 Market Channel Analysis

6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS

7.1 Latest News

7.2 Merger and Acquisition

- 7.3 Planned/Future Project
- 7.4 Policy Dynamics

CHAPTER 8 HISTORICAL AND FORECAST CHEMOTHERAPY-INDUCED ALOPECIA TREATMENT DEVICE MARKET IN NORTH AMERICA (2020-2030)

- 8.1 Chemotherapy-Induced Alopecia Treatment Device Market Size
- 8.2 Chemotherapy-Induced Alopecia Treatment Device Market by End Use
- 8.3 Competition by Players/Suppliers
- 8.4 Chemotherapy-Induced Alopecia Treatment Device Market Size by Type
- 8.5 Key Countries Analysis
 - 8.5.1 United States
 - 8.5.2 Canada
 - 8.5.3 Mexico

CHAPTER 9 HISTORICAL AND FORECAST CHEMOTHERAPY-INDUCED ALOPECIA TREATMENT DEVICE MARKET IN SOUTH AMERICA (2020-2030)

- 9.1 Chemotherapy-Induced Alopecia Treatment Device Market Size
- 9.2 Chemotherapy-Induced Alopecia Treatment Device Market by End Use
- 9.3 Competition by Players/Suppliers
- 9.4 Chemotherapy-Induced Alopecia Treatment Device Market Size by Type
- 9.5 Key Countries Analysis
 - 9.5.1 Brazil
 - 9.5.2 Argentina
 - 9.5.3 Chile
 - 9.5.4 Peru

CHAPTER 10 HISTORICAL AND FORECAST CHEMOTHERAPY-INDUCED ALOPECIA TREATMENT DEVICE MARKET IN ASIA & PACIFIC (2020-2030)

- 10.1 Chemotherapy-Induced Alopecia Treatment Device Market Size
- 10.2 Chemotherapy-Induced Alopecia Treatment Device Market by End Use
- 10.3 Competition by Players/Suppliers
- 10.4 Chemotherapy-Induced Alopecia Treatment Device Market Size by Type
- 10.5 Key Countries Analysis
 - 10.5.1 China
 - 10.5.2 India
 - 10.5.3 Japan

- 10.5.4 South Korea
- 10.5.5 Southeast Asia
- 10.5.6 Australia

CHAPTER 11 HISTORICAL AND FORECAST CHEMOTHERAPY-INDUCED ALOPECIA TREATMENT DEVICE MARKET IN EUROPE (2020-2030)

- 11.1 Chemotherapy-Induced Alopecia Treatment Device Market Size
- 11.2 Chemotherapy-Induced Alopecia Treatment Device Market by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Chemotherapy-Induced Alopecia Treatment Device Market Size by Type
- 11.5 Key Countries Analysis
 - 11.5.1 Germany
 - 11.5.2 France
 - 11.5.3 United Kingdom
 - 11.5.4 Italy
 - 11.5.5 Spain
 - 11.5.6 Belgium
 - 11.5.7 Netherlands
 - 11.5.8 Austria
 - 11.5.9 Poland
 - 11.5.10 Russia

CHAPTER 12 HISTORICAL AND FORECAST CHEMOTHERAPY-INDUCED ALOPECIA TREATMENT DEVICE MARKET IN MEA (2020-2030)

- 12.1 Chemotherapy-Induced Alopecia Treatment Device Market Size
- 12.2 Chemotherapy-Induced Alopecia Treatment Device Market by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Chemotherapy-Induced Alopecia Treatment Device Market Size by Type
- 12.5 Key Countries Analysis
 - 12.5.1 Egypt
 - 12.5.2 Israel
 - 12.5.3 South Africa
 - 12.5.4 Gulf Cooperation Council Countries
 - 12.5.5 Turkey

CHAPTER 13 SUMMARY FOR GLOBAL CHEMOTHERAPY-INDUCED ALOPECIA TREATMENT DEVICE MARKET (2020-2025)

- 13.1 Chemotherapy-Induced Alopecia Treatment Device Market Size
- 13.2 Chemotherapy-Induced Alopecia Treatment Device Market by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Chemotherapy-Induced Alopecia Treatment Device Market Size by Type

CHAPTER 14 GLOBAL CHEMOTHERAPY-INDUCED ALOPECIA TREATMENT DEVICE MARKET FORECAST (2025-2030)

- 14.1 Chemotherapy-Induced Alopecia Treatment Device Market Size Forecast
- 14.2 Chemotherapy-Induced Alopecia Treatment Device Application Forecast
- 14.3 Competition by Players/Suppliers
- 14.4 Chemotherapy-Induced Alopecia Treatment Device Type Forecast

CHAPTER 15 ANALYSIS OF GLOBAL KEY VENDORS

- 15.1 Penguin Cold Caps
 - 15.1.1 Company Profile
 - 15.1.2 Main Business and Chemotherapy-induced Alopecia Treatment Device Information
 - 15.1.3 SWOT Analysis of Penguin Cold Caps
 - 15.1.4 Penguin Cold Caps Chemotherapy-induced Alopecia Treatment Device Revenue, Gross Margin and Market Share (2020-2025)
- 15.2 Dignitana
 - 15.2.1 Company Profile
 - 15.2.2 Main Business and Chemotherapy-induced Alopecia Treatment Device Information
 - 15.2.3 SWOT Analysis of Dignitana
 - 15.2.4 Dignitana Chemotherapy-induced Alopecia Treatment Device Revenue, Gross Margin and Market Share (2020-2025)
- 15.3 PaxmanAspen Systems
 - 15.3.1 Company Profile
 - 15.3.2 Main Business and Chemotherapy-induced Alopecia Treatment Device Information
 - 15.3.3 SWOT Analysis of PaxmanAspen Systems
 - 15.3.4 PaxmanAspen Systems Chemotherapy-induced Alopecia Treatment Device Revenue, Gross Margin and Market Share (2020-2025)
- 15.4 Cooler Heads Care
 - 15.4.1 Company Profile

15.4.2 Main Business and Chemotherapy-induced Alopecia Treatment Device Information

15.4.3 SWOT Analysis of Cooler Heads Care

15.4.4 Cooler Heads Care Chemotherapy-induced Alopecia Treatment Device Revenue, Gross Margin and Market Share (2020-2025)

15.5 Stemtech Medical Devices

15.5.1 Company Profile

15.5.2 Main Business and Chemotherapy-induced Alopecia Treatment Device Information

15.5.3 SWOT Analysis of Stemtech Medical Devices

15.5.4 Stemtech Medical Devices Chemotherapy-induced Alopecia Treatment Device Revenue, Gross Margin and Market Share (2020-2025)

Please ask for sample pages for full companies list

Tables and Figures

Table Abbreviation and Acronyms

Table Research Scope of Chemotherapy-Induced Alopecia Treatment Device Report

Table Data Sources of Chemotherapy-Induced Alopecia Treatment Device Report

Table Major Assumptions of Chemotherapy-Induced Alopecia Treatment Device Report

Figure Market Size Estimated Method

Figure Major Forecasting Factors

Figure Chemotherapy-Induced Alopecia Treatment Device Picture

Table Chemotherapy-Induced Alopecia Treatment Device Classification

Table Chemotherapy-Induced Alopecia Treatment Device Applications

Table Drivers of Chemotherapy-Induced Alopecia Treatment Device Market

Table Restraints of Chemotherapy-Induced Alopecia Treatment Device Market

Table Opportunities of Chemotherapy-Induced Alopecia Treatment Device Market

Table Threats of Chemotherapy-Induced Alopecia Treatment Device Market

Table Covid-19 Impact For Chemotherapy-Induced Alopecia Treatment Device Market

Table Raw Materials Suppliers

Table Different Production Methods of Chemotherapy-Induced Alopecia Treatment Device

Table Cost Structure Analysis of Chemotherapy-Induced Alopecia Treatment Device

Table Key End Users

Table Latest News of Chemotherapy-Induced Alopecia Treatment Device Market

Table Merger and Acquisition

Table Planned/Future Project of Chemotherapy-Induced Alopecia Treatment Device Market

Table Policy of Chemotherapy-Induced Alopecia Treatment Device Market

Table 2020-2030 North America Chemotherapy-Induced Alopecia Treatment Device

Market Size

Figure 2020-2030 North America Chemotherapy-Induced Alopecia Treatment Device Market Size and CAGR

Table 2020-2030 North America Chemotherapy-Induced Alopecia Treatment Device Market Size by Application

Table 2020-2025 North America Chemotherapy-Induced Alopecia Treatment Device Key Players Revenue

Table 2020-2025 North America Chemotherapy-Induced Alopecia Treatment Device Key Players Market Share

Table 2020-2030 North America Chemotherapy-Induced Alopecia Treatment Device Market Size by Type

Table 2020-2030 United States Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Canada Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Mexico Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 South America Chemotherapy-Induced Alopecia Treatment Device Market Size

Figure 2020-2030 South America Chemotherapy-Induced Alopecia Treatment Device Market Size and CAGR

Table 2020-2030 South America Chemotherapy-Induced Alopecia Treatment Device Market Size by Application

Table 2020-2025 South America Chemotherapy-Induced Alopecia Treatment Device Key Players Revenue

Table 2020-2025 South America Chemotherapy-Induced Alopecia Treatment Device Key Players Market Share

Table 2020-2030 South America Chemotherapy-Induced Alopecia Treatment Device Market Size by Type

Table 2020-2030 Brazil Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Argentina Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Chile Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Peru Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Asia & Pacific Chemotherapy-Induced Alopecia Treatment Device Market Size

Figure 2020-2030 Asia & Pacific Chemotherapy-Induced Alopecia Treatment Device Market Size and CAGR

Table 2020-2030 Asia & Pacific Chemotherapy-Induced Alopecia Treatment Device

Market Size by Application

Table 2020-2025 Asia & Pacific Chemotherapy-Induced Alopecia Treatment Device Key Players Revenue

Table 2020-2025 Asia & Pacific Chemotherapy-Induced Alopecia Treatment Device Key Players Market Share

Table 2020-2030 Asia & Pacific Chemotherapy-Induced Alopecia Treatment Device Market Size by Type

Table 2020-2030 China Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 India Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Japan Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 South Korea Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Southeast Asia Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Australia Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Europe Chemotherapy-Induced Alopecia Treatment Device Market Size

Figure 2020-2030 Europe Chemotherapy-Induced Alopecia Treatment Device Market Size and CAGR

Table 2020-2030 Europe Chemotherapy-Induced Alopecia Treatment Device Market Size by Application

Table 2020-2025 Europe Chemotherapy-Induced Alopecia Treatment Device Key Players Revenue

Table 2020-2025 Europe Chemotherapy-Induced Alopecia Treatment Device Key Players Market Share

Table 2020-2030 Europe Chemotherapy-Induced Alopecia Treatment Device Market Size by Type

Table 2020-2030 Germany Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 France Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 United Kingdom Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Italy Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Spain Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Belgium Chemotherapy-Induced Alopecia Treatment Device Market

Size

Table 2020-2030 Netherlands Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Austria Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Poland Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Russia Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 MEA Chemotherapy-Induced Alopecia Treatment Device Market Size
Figure 2020-2030 MEA Chemotherapy-Induced Alopecia Treatment Device Market Size and CAGR

Table 2020-2030 MEA Chemotherapy-Induced Alopecia Treatment Device Market Size by Application

Table 2020-2025 MEA Chemotherapy-Induced Alopecia Treatment Device Key Players Revenue

Table 2020-2025 MEA Chemotherapy-Induced Alopecia Treatment Device Key Players Market Share

Table 2020-2030 MEA Chemotherapy-Induced Alopecia Treatment Device Market Size by Type

Table 2020-2030 Egypt Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Israel Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 South Africa Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Gulf Cooperation Council Countries Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2030 Turkey Chemotherapy-Induced Alopecia Treatment Device Market Size

Table 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Market Size by Region

Table 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Market Size Share by Region

Table 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Market Size by Application

Table 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Market Share by Application

Table 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Key Vendors Revenue

Figure 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Market

Size and Growth Rate

Table 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Key Vendors Market Share

Table 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Market Size by Type

Table 2020-2025 Global Chemotherapy-Induced Alopecia Treatment Device Market Share by Type

Table 2025-2030 Global Chemotherapy-Induced Alopecia Treatment Device Market Size by Region

Table 2025-2030 Global Chemotherapy-Induced Alopecia Treatment Device Market Size Share by Region

Table 2025-2030 Global Chemotherapy-Induced Alopecia Treatment Device Market Size by Application

Table 2025-2030 Global Chemotherapy-Induced Alopecia Treatment Device Market Share by Application

Table 2025-2030 Global Chemotherapy-Induced Alopecia Treatment Device Key Vendors Revenue

Figure 2025-2030 Global Chemotherapy-Induced Alopecia Treatment Device Market Size and Growth Rate

Table 2025-2030 Global Chemotherapy-Induced Alopecia Treatment Device Key Vendors Market Share

Table 2025-2030 Global Chemotherapy-Induced Alopecia Treatment Device Market Size by Type

Table 2025-2030 Chemotherapy-Induced Alopecia Treatment Device Global Market Share by Type

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