

Global Carboxy Therapy Market: Analysis By Type (Tabletop, Portable and Others), By Application (Aesthetic Medicine, Dermatology, Gynecology, Angiology, Orthopedic, Sports Medicine and Others), By End User (Hospitals, Aesthetic Clinics and Med Spas and Wellness Centers), By Region Size and Trends with Impact of COVID-19 and Forecast up to 2028

<https://marketpublishers.com/r/G84252116CCFEN.html>

Date: October 2023

Pages: 129

Price: US\$ 2,250.00 (Single User License)

ID: G84252116CCFEN

Abstracts

Carboxy Therapy is the treatment of injecting carbon dioxide gas underneath the skin. This treatment is used to reduce cellulite, stretch marks, and dark circles under the eyes. It can also be used as part of treatment for wound healing. Carbon dioxide brings additional oxygen into the area and dilates the blood vessels where it is injected to improve the overall appearance of your skin. The growth of carboxy therapy is driven by several factors, including the rising demand for anti-aging solutions, increase in disposable income, surging adoption of non-invasive aesthetic procedures, and growing incidence of skin disorders and hair loss. The global carboxy therapy market value in 2022 stood at US\$95.64 million, and is likely to reach US\$191.32 million by 2028.

According to UNDP, global percentage of population aged 65 years or over is 9.7% in 2022 and is expected to reach 16.4% in 2050 and as individuals age, they experience a range of aesthetic concerns, including wrinkles, fine lines, sagging skin, and cellulite. Many people seek cosmetic treatments to address these concerns and maintain a more youthful appearance. Carboxytherapy is well-suited to address these issues, making it a desirable option for the aging demographic, leading to the growth of carboxy therapy market. Additional trends include the ongoing technological advancements in

carboxytherapy equipment and techniques, the evolving regulatory environment in the medical aesthetics industry and globalization. In the coming years, these improvements or trends are expected to significantly stimulate demand for carboxy therapy. The global carboxy therapy market value is projected to grow at a CAGR of 12.25%, during the forecast period of 2023-2028.

Market Segmentation Analysis:

By Type: According to the report, the global carboxy therapy market is segmented into three types: Tabletop, Portable, and Others. Tabletop segment acquired majority of share in the market in 2022, as tabletop offers a high level of precision and control over the carboxy therapy procedure. Also, they may have larger screens for monitoring and programming treatments which is suitable for high-volume practices where carboxytherapy is a primary offering. Portable segment is the fastest growing segment, as portable devices are compact and lightweight, perfectly designed for mobility and flexibility. They are user-friendly and have simplified controls compared to tabletop models. These devices are suitable for practitioners who provide carboxytherapy on the go, such as in-home treatments or at events.

By Application: According to the report, the global carboxy therapy market is bifurcated into seven applications: aesthetic medicine, dermatology, gynecology, angiology, orthopedic, sports medicine and others. Aesthetic medicine segment acquired majority of share in the market in 2022. In this segment, carboxytherapy is primarily used for cosmetic purposes, addressing concerns like wrinkles, cellulite, and skin rejuvenation. Rise in geriatric population, changes in lifestyle, growing interest in maintaining physical appearances, increasing consumer interest in non-surgical and minimally invasive cosmetic treatments, advancements in technology, and combination therapies, etc. drives the growth of carboxytherapy in aesthetic medicine. Angiology segment is expected to have the highest CAGR in the future. In this segment, carboxy therapy is used to enhance blood circulation, to heal ulcers and wounds, to strengthen vein walls etc. So, as the global population continues to age, the prevalence of vascular conditions, such as PAD and CVI, is likely to rise and carboxytherapy's potential in managing these conditions could drive increased demand for the therapy.

By End User: According to the report, the global carboxy therapy market is bifurcated into three end users: Hospitals, Aesthetic Clinics and Med Spas and Wellness Centers. Hospitals acquired majority of share in the market in 2022 and is the fastest growing segment as well, as hospitals are a significant end user of carboxytherapy equipment and services, primarily for therapeutic applications such as wound healing, pain

management, and certain medical conditions. Further, increasing medical application of carboxy therapy, constant clinical research and innovation and regulatory compliance are expected to drive the growth of this segment during forecasted years.

By Region: The report provides insight into the carboxy therapy market based on the geographical operations, namely North America, Europe, Asia Pacific, Latin America and Middle East and Africa. North America carboxy therapy market enjoyed the highest market share in 2022, primarily owing to reasons such as its rising geriatric population, rising aesthetic consciousness, well-established healthcare infrastructure, and technological advancements. The US is the North America's strongest market for carboxy therapy services. The market's expansion is driven by high disposable incomes, competitive marketing efforts, and medical tourism.

Asia Pacific carboxy therapy market is expected to grow at the highest CAGR, driven by rising demand for non-invasive procedures like skin rejuvenation and cellulite reduction. Factors like obesity, aging population, and aesthetic enhancements are driving adoption. Advancements in technology and expanding healthcare infrastructure are driving growth further in the region. China, with its vast population, advanced medical technology, and medical tourism appeal, is a major player in the region. India, with its growing cosmetic awareness, medical tourism appeal, skilled professionals, cost-effective healthcare, and cultural acceptance, is the fastest-growing region.

Global Carboxy therapy Market Dynamics:

Growth Drivers: Versatile application has the potential to boost the growth of the carboxy therapy market. This is because healthcare professionals are discovering its potential in treating other conditions (such as chronic wounds, vascular disorders, and musculoskeletal pain) beyond cellulite reduction and skin rejuvenation, thereby broadening its appeal and utility. As clinical evidence supporting its efficacy for different applications, more practitioners and clinics are integrating carboxytherapy into their service offerings, further driving its acceptance and contributing to the market's growth. Further, the market is expected to increase due to increased demand for anti-aging solutions, rising disposable income, growing incidence of skin disorders and hair loss, increasing demand for non-invasive procedures, and proliferating aesthetics service outlets.

Challenges: Regulatory hurdles can present several challenges for the carboxy therapy market. Carboxytherapy regulatory landscapes vary by country and region, making it complex and time-consuming to obtain approvals. Obtaining approval requires

extensive clinical trials and significant financial investments. Overtime changes in regulations can make it costly for businesses. The other challenge that carboxy therapy market faces is high cost of treatment as it requires almost 7 to 10 seatings to get visible results.

Trends: A major trend gaining pace in carboxy therapy market is technological advancements. Technological advancements in carboxytherapy devices are driving market growth by improving precision, safety, and versatility. Digital control systems enable precise parameter adjustment and can be combined with other cosmetic treatments. These devices, like Cosmo Pro's Diox and MEDAiON's Carboxy Model S, offer user-friendly interfaces, automated calibration, intelligent inlet gas monitoring, automatic and manual injection programs, and automatic exhaust systems. More trends in the market are sustainability and eco-friendly practices, availability of portable and compact devices, growing popularity in emerging markets, growing awareness through social media, etc.

Impact Analysis of COVID-19 and Way Forward:

The COVID-19 pandemic had negative impact on the global carboxy therapy market. As, hospitals and clinics postponed or canceled elective procedures and non-essential treatments, including many cosmetic and aesthetic procedures like carboxytherapy. This led to a decline in the demand for such services during pandemic. However, the post-COVID impact on the carboxy therapy market is expected to result in increased demand for treatment as healthcare facilities adapted to new safety protocols, patients who had delayed elective treatments during the pandemic started seeking these services again. The pandemic also underscored the importance of health and well-being for many people. As a result, there was an increased interest in self-care and maintaining one's appearance.

Competitive Landscape and Recent Developments:

Global carboxy therapy market is fragmented. The global carboxytherapy market participants range from small local businesses to major professional services corporations.

Key players of global carboxy therapy market are:

DTA Medical

Cosmo Pro

Carbossiterapia Italiana

Beijing Jontelaser Technology Co., Ltd.

Kastner-Praxisbedarf GmbH

MezoPharma

ALVI PRAGUE

Nik Fanavaran Plasma

The key players are constantly investing in strategic initiatives, such as mergers and acquisitions, introducing new services to emerging markets and more, to maintain a competitive edge in this market. There is a long tail of smaller start-up firms and regional players who can provide particular service and training. The top 5 firms held approximately 15% share of the market.

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