

Global Cancer Photodynamic Therapy Market & Cancer Photosensitisers Clinical Trial Outlook 2023

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Abstracts

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Efficacy and safety of a therapeutic method has always been the prime concern during treatment of an ailment. Any therapeutic method that fulfills the above criteria has been deemed to be a successful procedure. Nonetheless, patients and health professionals not only seek the efficacy and safety of a treatment method, but also look into it being a non-invasive procedure involving minimal to no pain. It is evident that such a procedure would be a blockbuster therapeutic. This is what the Photodynamic Therapy (PDT) currently aims to do.

Initially, the therapeutic property of Photodynamic Therapy was explored and limited to killing of microbes such as bacteria, fungi and viruses. It slowly evolved and was soon observed to be effective in the treatment of skin conditions such as acne and psoriasis further advancing to show effective results in complex conditions like atherosclerosis and herpes. Its impressive results in the above mentioned disease led scientists to explore its ability in the treatment of cancer which eventually led to a whole new segment of photodynamic therapy dedicated to the effective, noninvasive, safe and easier method of cancer treatment using light.

The photodynamic therapy market is currently segmented into four divisions of acne, cancer, atherosclerosis and psoriasis with acne and cancer currently leading with majority of research and development being focused in these aspects of the photodynamic therapy due to their steep demand. Recently, the Photodynamic therapy for various types of cancer like breast cancer, head and neck cancer and lung cancer has been receiving increased attention due to its innovative and noninvasive feature which is currently in high demand globally, that has further led to a steady growth in the

photodynamic therapy market.

“Global Cancer Photodynamic Therapy Market & Cancer Photosensitisers Clinical Trial Outlook 2023” Report Highlight:

Working Mechanism of the Photodynamic Cancer Therapy

Photosensitizer Delivery

Anti-Tumor Activity of the Photodynamic Therapy

Status of Various Cancer Treatments Using Photodynamic Therapy

Promising Advances in the Photodynamic Therapy Segment

Photodynamic Combinational Cancer Therapy

Global Cancer Photosensitisers Clinical Pipeline by Company & Phase

Marketed Cancer Photosensitisers Clinical Insight

An insight into the global presence of photodynamic therapy shows that currently photodynamic therapy is widely being used in the developed countries like the UK, US and Russia. Unlike few years ago, when photodynamic therapy had just entered the market, it is currently found to be much more prevalent suggesting the steady growth of the photodynamic therapy market. Several major hospitals in the US offer cancer treatment alternative using photodynamic therapy especially for the skin cancer related disease and lesion. This trend is bound to rise steadily with the increasing awareness among both the general public and the healthcare professionals

Currently, photodynamic therapy has shown promising results in the pre-clinical studies of prostate cancer, breast cancer, lung cancer, head and neck cancer and colorectal cancer. A few forms of cancers like the oesophageal cancer and colorectal cancer have been treated using photodynamic therapy in the developing countries, however majority of them are still under vigorous study in the clinical pipeline which is anticipated to be approved in a few years. Until then Photodynamic therapy has largely been approved and used in the palliative treatment of almost all types of cancer for the removal of residual tumor cells, thus prolonging the remission period of cancer.

The progress in the photodynamic therapy segment also suggests that someday it could help in the treatment of larger and deep tumors, which is currently not possible due to the low penetration of light. A technique known as interstitial therapy involving the use of imaging tests like computed tomography (CT) scans to guide fiber optics directly into tumors using needles is slowly developing. Early results in clinical and pre-clinical phase have shown that it could immensely helpful in the successful treatment of head and neck, prostate and liver tumors. Thus a thorough insight into the photodynamic therapy progress and its current scenario leads to the conclusion that photodynamic therapy deserves more attention and a central position in the treatment of cancer. It should be promoted and encouraged as part of a multimodal approach or a standalone treatment for early disease, palliative care or as a salvage treatment.

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COMPANIES

Dusa Pharmaceuticals,
Biofrontera AG,
Soligenix,
Coherent,
Lumenis,
Nanoprobes,
PhotoMedex,
Biolitec,
Ambicare Health,
Quest Pharma Tech,
Photolitec

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