

# Global Tumor Ablation Market Forecast & Regional Analysis 2023

<https://marketpublishers.com/r/GFA81E9A434EN.html>

Date: September 2017

Pages: 110

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

ID: GFA81E9A434EN

## Abstracts

Please note: extra shipping charges are applied when purchasing Hard Copy License depending on the location.

Tumor ablation is an emerging cancer therapy method that is gaining steady and wide acceptance as a successful cancer therapeutic. Tumor ablation is a method that ensured higher efficacy of tumor cell treatment with minimum toxicity or side effects. This form of treatment involves the destruction of tumors using heat, low temperature and chemical agents that are introduced into the tumor regions using a guided needle through a small hole.

Tumor ablation therapy proves to be an excellent option over other conventional methods of treatment due to its minimum invasiveness. It has been considered to be the best alternative in patients who cannot undergo surgery for medical reasons. It has proven to be highly effective and safe in the treatment of patients having four or few tumors limited to a small region, for larger and greater number of tumors, chemotherapy is considered much more effective.

Global Tumor Ablation Market Forecast & Regional Analysis 2023” Report Highlights:

Exploring the Commercial Aspects of Tumor Ablation Therapy

Recent Advances in Tumor Ablation Therapy

Demand & Features of the Tumor Ablation Therapy

Technological Aspect of Tumor Ablation Therapy

## Technology, Devices & Tools Involved in Tumor Ablation Therapy

### Clinical Status of Tumor Ablation Therapy in Various Cancer Types

### Global Tumor Ablation Therapy Market by Region, Technology & Mode of Treatment

The tumor ablation therapy segment has shown impressive improvements since it was first accepted as a therapeutic with current tumor ablation being more advanced and accurate, further causing much lesser trauma to patient. It also shows faster recovery and lesser time than the other existing invasive procedures. The tumor ablation therapy is widely being accepted as a minimally invasive cancer therapeutic, which has thus led to the formation of a whole new market based on tumor ablation with global research and development contributing immensely in the growth and expansion of the market. Further, innovation in the resources and technology required in the tumor ablation has opened up ample opportunities for various pharmaceutical and electronics company to work for the betterment of the currently available technology for tumor ablation.

Over the years, tumor ablation therapy market has shown immense improvements in all of its segments. Our analysis clearly indicates that tumor ablation technology and devices market is currently the most profitable market leading all other ablation segments with major contribution from the radiofrequency ablation technology. The early and timely introduction of radiofrequency ablation technology, when an effective alternative for tumor surgery was required has been the prime reason for its dominance in the tumor ablation therapy market. The overall market opportunity for Tumor ablation therapy is expected to surpass US\$ 1.2 Billion by 2023.

The high success rate of tumor ablation has been one of the promoting factors of the novel therapeutic, thus making it one of the most preferable tumor therapies where other therapeutics might not be feasible for multiple reasons. The tumor ablation technique has been used for the treatment of various types of cancer such as liver cancer, lung cancer, prostate cancer, colorectal cancer etc.

The ongoing technical innovations have made tumor ablation procedure safe and painless with impressive results during and after treatment. With rising awareness in the healthcare industry all over the world, cancer ablation is steadily getting popular as one of the most preferred method of cancer therapy for various types of cancer. Hospitals and healthcare centers realize the immense potential that cancer ablation therapy has,

thus providing the facility to their patients which would further help in promoting the therapeutic.

## Contents

### **1. TUMOR ABLATION – A MINIMALLY INVASIVE CANCER THERAPEUTIC**

- 1.1 Prologue to Tumor Ablation Therapy
- 1.2 History & Progress of Tumor Ablation Therapy

### **2. DEMAND & FEATURES OF THE TUMOR ABLATION THERAPY**

- 2.1 Dire Need for a Safe & Non-Invasive Cancer Therapy
- 2.2 Compelling Features of the Tumor Ablation Therapy

### **3. TUMOR ABLATION – PROVIDING AN EDGE OVER EXISTING CANCER THERAPEUTICS**

- 3.1 Direct Tumoricidal Effect
- 3.2 Minimal Invasive Therapy
- 3.3 Affordability
- 3.4 Applicable to a Non-surgical Candidate
- 3.5 Swift Procedure With Faster Recovery
- 3.6 Can be Repeated Multiple Times

### **4. TECHNOLOGICAL ASPECT OF TUMOR ABLATION THERAPY**

### **5. RADIOFREQUENCY ABLATION THERAPY**

- 5.1 Overview
- 5.2 Therapeutic Mechanism of Radiofrequency Ablation

### **6. MICROWAVE TUMOR ABLATION THERAPY**

- 6.1 The Physics of Microwave & its Therapeutic Mechanism
- 6.2 Superiority of Microwave Ablation Therapy Compared to Radiofrequency Ablation Therapy

### **7. CRYOABLATION THERAPY**

- 7.1 Cryoablation Therapy – An Emerging Modern Cancer Ablation Procedure
- 7.2 Procedure, Mechanism & Clinical Applications of Cryoablation Therapy

## **8. HIGH INTENSITY FOCUSED ULTRASOUND (HIFU)**

8.1 An Insight into the Progress of HIFU over the Last Decade

8.2 Working Mechanism of High Intensity Focused Ultrasound

## **9. OTHER TUMOR ABLATION THERAPEUTICS**

9.1 Laser Induced Thermal Therapy for Tumor Ablation

9.2 Irreversible Electroporation Ablation (IER)

## **10. TUMOR ABLATION TYPES BY MODE OF TREATMENT**

10.1 Surgical Ablation of Tumors

10.2 Laparoscopic Tumor Ablation

10.3 Percutaneous Tumor Ablation

## **11. TECHNOLOGY, DEVICES & TOOLS INVOLVED IN TUMOR ABLATION THERAPY**

11.1 Imaging Technologies

11.1.1 Computed Tomography

11.1.2 Magnetic Resonance Imaging (MRI)

11.2 Catheters or Probes

## **12. CLINICAL STATUS OF TUMOR ABLATION THERAPY IN VARIOUS CANCER TYPES**

12.1 Primary Hepatocellular Carcinoma (HCC)

12.2 Non-Small Cell Lung Cancer

12.3 Renal (Kidney Tumor Ablation)

12.4 Prostate Cancer

12.5 Breast Cancer

12.6 Bone Metastasis

12.7 Pancreas

## **13. RECENT ADVANCES IN TUMOR ABLATION THERAPY**

## **14. EXPLORING THE COMMERCIAL ASPECTS OF TUMOR ABLATION THERAPY**

14.1 Cost Benefit Analysis of Tumor Ablation Therapy

14.2 Tumor Ablation Cost Analysis

14.2.1 Common Cost of Tumor Lesion Treatment Using any of the Available Ablation Modalities

14.2.2 Modality Specific Ablation Cost for a 3cm Kidney Lesion

## **15. GLOBAL TUMOR ABLATION THERAPY MARKET CURRENT SCENARIO**

15.1 Tumor Ablation Market by Technology

15.2 Tumor Ablation Therapy Market by Mode of Treatment

15.3 Tumor Ablation Market by Application

## **16. TUMOR ABLATION THERAPY MARKET BY REGION**

16.1 North America

16.2 Europe

16.3 Asia Pacific

16.4 Rest of the World

## **17. GLOBAL TUMOR ABLATION THERAPY MARKET DYNAMICS**

17.1 Driving Factors of the Tumor Ablation Market

17.2 Restraining Factors in the Growth of Tumor Ablation Therapy Market

## **18. ANTICIPATION REGARDING THE FUTURE OF TUMOR ABLATION THERAPY MARKET**

## **19. COMPETITIVE LANDSCAPE**

19.1 Angiodynamics

19.2 Boston Scientific

19.3 Galil Medicals

19.4 INTIO Inc.

19.5 Medtronic Inc.

19.6 Misonix Inc.

19.7 NeuWave Medical Inc.

19.8 SonaCare Medical

19.9 Medwaves

19.10 BSD Medicals

19.11 ProstaLund

19.12 Halyard Health

## List Of Figures

### LIST OF FIGURES

- Figure 1-1: Evolution of Tumor Ablation Therapy
- Figure 2-1: Desired Characteristic of an Ideal Ablation Therapy
- Figure 3-1: Superiority of Tumor Ablation over Other Cancer Therapeutics
- Figure 4-1: Tumor Ablation Technology Types
- Figure 5-1: Thermal Destruction of Tumor using RFA
- Figure 5-2: Radiofrequency Ablation Therapy Clinical Setup
- Figure 6-1: Principle of Microwave Ablation
- Figure 6-2: Advantages of Microwave Ablation over Radiofrequency Ablation
- Figure 7-1: Increasing the Efficacy of Cryoablation by Nanoparticle-Encapsulated Doxorubicin (n-DOX)
- Figure 8-1: High Intensity Focused Ultrasound in Action
- Figure 9-1: Irreversible Electroporation Ablation in Action
- Figure 10-1: Tumor Ablation Types by Mode of Treatment
- Figure 11-1: Imaging Technologies Used in Tumor Ablation
- Figure 11-2: Various Types of Probes Used in Tumor Ablation
- Figure 12-1: Radiofrequency Ablation in Treatment of Liver Tumor
- Figure 12-2: Cryoablation Therapy for Renal Cancer
- Figure 14-1: Cost of Various Ablation Therapeutics (US\$), 2016
- Figure 15-1: Global - Tumor Ablation Market Segmentation
- Figure 15-2: Global - Increase in the Number of Geriatric Population (Billion), 1990-2050
- Figure 15-3: Global - Tumor Ablation Therapy Market by Region (%), 2016
- Figure 15-4: Global - Tumors Ablation Modalities Market Share (%), 2016
- Figure 15-5: Global - Radiofrequency Ablation Device Market (US\$ Million), 2015-2023
- Figure 15-6: Global - Microwave Ablation Therapy Device Market (US\$ Million), 2015-2023
- Figure 15-7: Global – Cryoablation Therapy Device Market (US\$ Million), 2015-2023
- Figure 15-8: Global - Tumor Ablation Market by Treatment Modality (%), 2016
- Figure 15-9: Number of Patients Undergoing Tumor Ablation Therapy ('000), 2016
- Figure 16-1: North America – Tumor Ablation Therapy Market (US\$ Million), 2015-2023
- Figure 16-2: North America - Radiofrequency Ablation Device Market (US\$ Million), 2015-2023
- Figure 16-3: North America - Microwave Ablation Therapy Device Market (US\$ Million), 2015-2023
- Figure 16-4: North America - Cryoablation Therapy Device Market (US\$ Million), 2015-2023



Figure 16-5: North America - Tumor Ablation Therapy by Mode of Treatment, 2016

Figure 16-6: Europe - Tumor Ablation Therapy Market (US\$ Million), 2015-2023

Figure 16-7: Europe- Regional Tumor Ablation Therapy Market Share (%), 2016

Figure 16-8: Europe - Tumor Ablation Therapy by Mode of Treatment (%), 2016

Figure 16-9: Asia - Tumor Ablation Therapy by Treatment (%), 2016

Figure 16-10: Asia -Tumor Ablation Therapy Market (US\$ Million), 2015-2023

Figure 16-11: Rest of the world- Tumor Ablation Therapy Market (US\$ Million), 2015-2023

Figure 17-1: Global - Driving Factors of the Tumor Ablation Therapy Market

Figure 17-2: Cancer - Global Prevalence ('000), 2015

Figure 17-3: Global - Challenging Factors of the Tumor Ablation Therapy

Figure 18-1: Global - Future Aspects of Tumor Ablation Therapy

## List Of Tables

### LIST OF TABLES

Table 14-1: Tumor Ablation Cost by Modalities (2016)

Table 14-2: Tumor Ablation Cost for Kidney Lesion

### COMPANIES

Angiodynamics,  
Boston Scientific,  
Galil Medicals,  
INTIO Inc.,  
Medtronic Inc.,  
Misonix Inc.,  
NeuWave Medical Inc.,  
SonaCare Medical,  
Medwaves,  
BSD Medicals,  
ProstaLund,  
Halyard Health

## I would like to order

Product name: Global Tumor Ablation Market Forecast & Regional Analysis 2023

Product link: <https://marketpublishers.com/r/GFA81E9A434EN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GFA81E9A434EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970