

## Russia Proton Therapy Market (Actual & Potential), Patients Treated, List of Proton Therapy Centers and Forecast to 2022

https://marketpublishers.com/r/R8321AE4196EN.html

Date: May 2017 Pages: 54 Price: US\$ 1,050.00 (Single User License) ID: R8321AE4196EN

## Abstracts

Russia represents huge opportunity for proton therapy treatment owing to a large population base of cancer patients. Proton therapy is an advanced treatment of tumors which minimizes the risks and increases the chances of the oncology patient, ensuring a better quality of life not only during but especially after the treatment. The main advantage of proton beams is the precise irradiation, most energy being given purely onto the tumour. In comparison with existing radiation methods, protons save the surrounding healthy tissue. The continuing exploration of the benefits of proton therapy is inspiring a growing and massive construction of new proton centers across Russia. In Russia, 3 proton therapy centers are operational while another 3 centers are in under construction/planned phase.

iGATE RESEARCH report titled "Russia Proton Therapy Market (Actual & Potential), Patients Treated, List of Proton Therapy Centers and Forecast to 2022" provides a comprehensive assessment of the fast-evolving, high-growth Proton Therapy Market.

This 54 Page report with 11 Figures and 1 Table has been analyzed from 4 View Points:

- 1. Actual and Potential Proton Therapy Market (2007 2022)
- 2. Actual and Potential Candidate for Proton Therapy Treatment (2007 2022)
- 3. List of Proton Therapy Centers
- 4. Proton Therapy Market Drivers and Challenges

#### DATA SOURCES

iGATE RESEARCH employs rigorous primary and secondary research techniques in

Russia Proton Therapy Market (Actual & Potential), Patients Treated, List of Proton Therapy Centers and Foreca...



developing distinctive data sets and research material for business reports. This report is built by using data and information sourced from Proprietary Information Database, Primary and Secondary Research Methodologies, and In house analysis by iGATE Research dedicated team of qualified professionals with deep industry experience and expertise.

#### **RESEARCH METHODOLOGIES**

Primary Research Methodologies: Questionnaires, Surveys, Interviews with Individuals, Small Groups, Telephonic Interview, etc.

Secondary Research Methodologies: Printable and Non-printable sources, Newspaper, Magazine and Journal Content, Government and NGO Statistics, white Papers, Information on the Web, Information from Agencies Such as Industry Bodies, Companies Annual Report, Government Agencies, Libraries and Local Councils and a large number of Paid Databases.



## Contents

#### **1. EXECUTIVE SUMMARY**

#### 2. RUSSIA PROTON THERAPY MARKET ANALYSIS

- 2.1 Russia Proton Therapy Actual and Potential Market (2007 2022)
  - 2.1.1 Russia Actual Proton Therapy Market and Forecast
- 2.1.2 Russia Potential Proton Therapy Market and Forecast
- 2.2 Russia Proton Therapy Patients Number Actual and Potential (2007 2022)
- 2.2.1 Russia Patients Treated with Proton Therapy Actual Number and Forecast
- 2.2.2 Russia Potential Candidate for Proton Therapy Number and Forecast

# 3. RUSSIA - LIST OF PROTON THERAPY CENTERS, START OF TREATMENT, PATIENT TREATED

#### 4. RUSSIA – NUMBER OF PATIENTS TREATED AT PROTON THERAPY CENTERS

4.1 Institute of Theoretical and Experimental Physics, Moscow, Russia - Number of Patients Treated (2007 – 2015)

4.2 Gatchina Medicine Radiation Facility (PNPI), St. Petersburg, Russia - Number of Patients Treated (2007 – 2015)

4.3 Joint Institute for Nuclear Research 2, Dubna, Russia - Number of Patients Treated (2007 – 2015)

4.4 Joint Institute for Nuclear Research 1, Dubna, Russia - Number of Patients Treated (1996)

#### **5. CURRENT RADIATION THERAPIES**

- 5.1 Third Dimensional Conformal Therapy (CRT)
- 5.2 Image Guided Radiotherapy (IGRT)
- 5.3 Intensity Modulated Radiotherapy (IMRT)
- 5.4 Stereotactic Radiotherapy
- 5.5 Neutron Therapy
- 5.6 Heavy Ion Radiotherapy
- 5.7 Proton Therapy

#### 6. COMPONENTS OF A STANDARD PROTON THERAPY CENTER

Russia Proton Therapy Market (Actual & Potential), Patients Treated, List of Proton Therapy Centers and Foreca...



- 6.1 Proton Accelerator
- 6.2 Beam Transport System
- 6.3 Beam Delivery System
  - 6.3.1 The Passive Scattering Technique
  - 6.3.2 Beam Scanning
- 6.4 Nozzle
  - 6.4.1 Single Scattering
  - 6.4.2 Double Scattering
- 6.4.3 Uniform Scanning Nozzle
- 6.4.4 Pencil Scanning Nozzle
- 6.5 Treatment Planning System
- 6.6 Image Viewers
- 6.7 Patient Positioning System (PPS)
- 6.8 Human Resource

#### 7. PROTON THERAPY - DRIVING FACTORS

- 7.1 Technology Advancement
- 7.1.1 Next-Generation Proton Technique
- 7.1.2 Technological Advances Make Proton Therapy Centers More Scalable
- 7.2 Growing Incidence of Cancer Patients
- 7.3 Proton Therapy Provides Enormous Benefits

#### 8. PROTON THERAPY - CHALLENGES

- 8.1 Requires Huge Investment
- 8.2 Operations Challenges
- 8.3 More Clinical Evidence Is Needed



## **List Of Figures**

#### LIST OF FIGURES:

Figure 2-1: Russia – Actual Proton Therapy Market (Million US\$), 2007 - 2016 Figure 2-2: Russia - Forecast for Actual Proton Therapy Market (Million US\$), 2017 -2022 Figure 2-3: Russia - Potential Proton Therapy Market (Million US\$), 2010 – 2016 Figure 2-4: Russia - Forecast for Potential Proton Therapy Market (Million US\$), 2017 -2022 Figure 2-5: Russia - Actual Patient Treated with Proton Therapy (Number), 2007 - 2016 Figure 2-6: Russia - Forecast for Actual Patient Treated with Proton Therapy (Number), 2017 - 2022 Figure 2-7: Russia - Potential Candidate for Proton Therapy (Number), 2010 - 2016 Figure 2-8: Russia - Forecast for Potential Candidate for Proton Therapy (Number), 2017 - 2022 Figure 4-1: Institute of Theoretical and Experimental Physics, Moscow, Russia - Total Patients Treated (Number), 2007 - 2015 Figure 4-2: Gatchina Medicine Radiation Facility (PNPI), St. Petersburg, Russia - Total Patients Treated (Number), 2007 – 2015 Figure 4-3: Joint Institute for Nuclear Research 2, Dubna, Russia - Total Patients Treated (Number), 2007 - 2015



## **List Of Tables**

#### LIST OF TABLES:

Table 3-1: Russia - List of Proton Therapy Centers Operational, Under Construction and Planned



#### I would like to order

Product name: Russia Proton Therapy Market (Actual & Potential), Patients Treated, List of Proton Therapy Centers and Forecast to 2022

Product link: https://marketpublishers.com/r/R8321AE4196EN.html

Price: US\$ 1,050.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

#### Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/R8321AE4196EN.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

Custumer 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



Russia Proton Therapy Market (Actual & Potential), Patients Treated, List of Proton Therapy Centers and Foreca...