

# YOUR GUIDE ON THE WAY TO ONCOLOGICAL TREATMENT

PROSTATE CANCER

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PATIENT HEALTH,  
HUMANITY,  
HELPFULNESS

# HIGHLIGHTED DATA FOR 2021

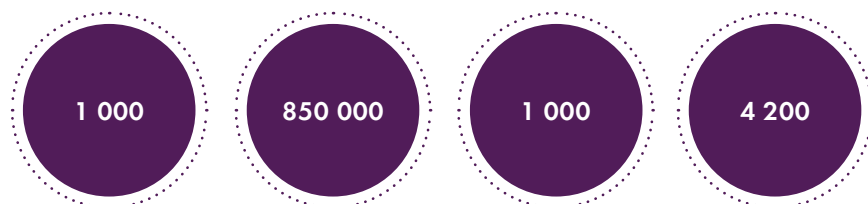


TURNOVER (USD)

EMPLOYEES

INPATIENTS

NEWBORNS



TOTAL  
ENDOPROSTHESIS

OUTPATIENTS

NEW ONCOLOGICAL  
PATIENTS

ARTHROSCOPIC  
SURGERIES

## DATA FOR ONCOLOGY CENTRE IN PARDUBICE



OUTPATIENTS

HOSPITAL BEDS

INPATIENTS

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# ONCOLOGY AND RADIOLOGY CENTRE IN PARDUBICE

## 2002

The Radiology Centre has started operating a radiology department in July 2002. The computed tomography workplace was the first to be put into operation, followed by the magnetic resonance and ultrasound workplace. In 2011, the department underwent a significant upgrade with the replacement of the computed tomography scanner and the construction of a separate additional magnetic resonance department, for which a magnetic resonance machine with a magnetic field strength of 1.5 Tesla was purchased. At the turn of 2015 and 2016, the original and no longer suitable magnetic resonance machine was dismantled and replaced by a modern, technically very advanced machine with a magnetic field strength of 3 Tesla. At the same time as this innovation, a scanning workplace with indirect digitalisation (diagnostic X-ray) was built.

## 2003

The Multiscan Radiology Centre Pardubice started operating the radiotherapy department in January 2003 and in March of the same year inaugurated a newly installed linear accelerator equipped with the latest technology for IMRT treatment. It continued to operate the Teragam cobalt irradiator, which was dismantled and replaced by a new linear accelerator in 2008.



## 2006

Since 2006, the department has been equipped with a high dose rate brachytherapy (treatment from a short or contact distance) machine. The Wolf - Medizintechnik T-200 X-ray irradiator is used for the treatment of non-cancerous diseases. The department holds a quality certificate from the German company TÜV - Rheinland (quality certificate according to CSN EN ISO 9001:2016).

# SPECTRUM OF RADIOLOGY MEDICAL CARE

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## COMPUTED TOMOGRAPHY - CT

The examination is carried out with the help of a Siemens Somatom Definition AS, which simultaneously scans 40 data layers.

The instrument is specially designed for the purpose of radiation simulation, but this does not prevent its use for routine diagnostic examinations.

The device can be used to examine any region of the body. This type of examination is most commonly used for examination of the chest, abdomen and pelvis.

## MAGNETIC RESONANCE IMAGING

The examination is performed on a Siemens Magnetom Avanto (with a magnetic field strength of 1.5 T) and a Siemens Magnetom Skyra (with a magnetic field strength of 3 T).

We offer a relatively wide range of MR examinations at our department, including MR examinations of the brain, spine, joints, abdominal and pelvic organs or MR angiography.

## ULTRASOUND

The examination is performed on a Logiq 8 XDclear machine from GE Healthcare. The fully digital ultrasound system features unique technology for transmitting, receiving and processing the ultrasound signal, providing maximum image quality in all imaging modes.

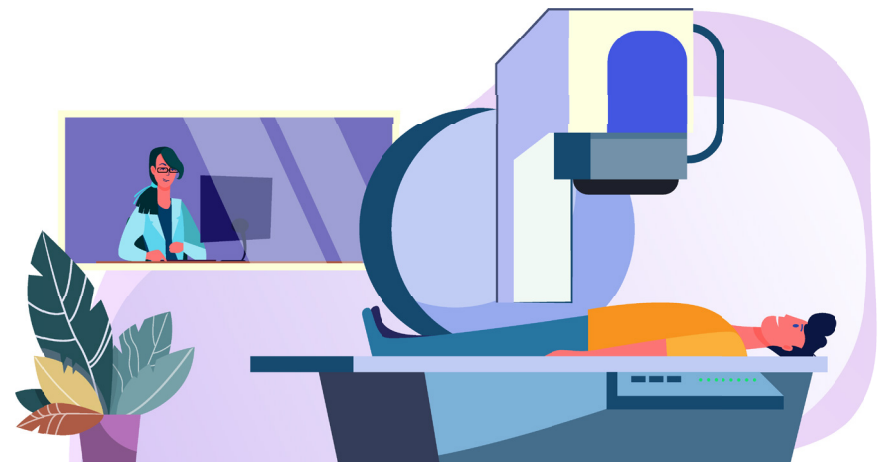
The system excels in ease of use, especially with its auxiliary colour LCD touch screen. The ultrasound features a 23" high-resolution monitor and 4 electronically switchable active ports for connecting electronic probes.

Probes are available for imaging abdominal organs, soft tissue, blood vessels, heart and examination of young children.

## X-RAY

Examinations are carried out on a Fomei Covator machine with indirect digital scanning.

We are able to perform routine scans.

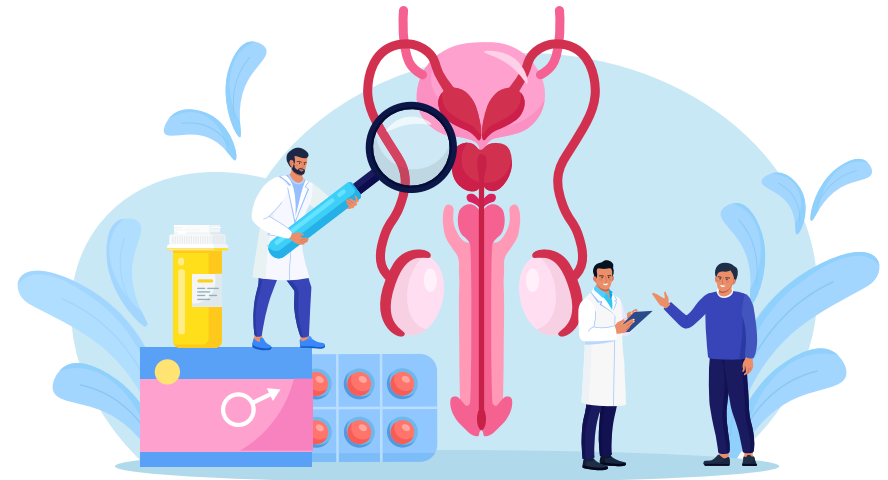


# ONCOLOGY PROGRAM FOR PATIENTS WITH PROSTATE CANCER

## RADIOTHERAPY

Prostate cancer is the second most common cancer in men worldwide. More than 1.4 million cases are recorded each year and therefore our main goal is to provide patients who have already been diagnosed with this disease or are likely to develop it with early and high-quality radiotherapy treatment in one of the most modern medical facilities dedicated to the treatment of cancer patients.

Within the oncology program tailored to foreign patients, we have decided to focus on what we can do the best. General radiotherapy is provided in one of the hospitals of oncological centres network in the Czech Republic. Besides that, the Oncology Center in Pardubice belongs with its specialization in the prostate to the best oncological centres in Central Europe. Our team of professionals in their field has outstanding and demonstrated experience and takes care of clients in the newly renewed hospital with state-of-the-art medical equipment.



The most effective way of medical treatment which does not require so much parallel care and brings the most relevant results is to focus on two groups of patients. The patients with low-risk and middle-risk diseases of the prostate.

## PARAMETERS

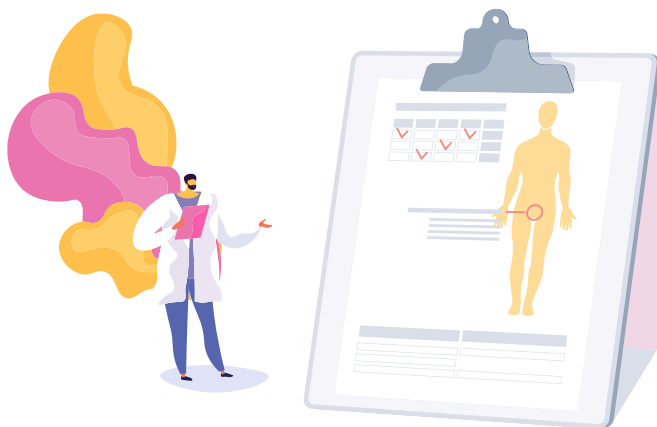
Prospective patients who wish to undergo treatment at our cancer centre must meet the parameters listed below or they will not be eligible for treatment.

### LOW-RISK PROSTATE PARAMETERS:

- **PSA** (prostate-specific-antigen) **< 10**
- **GS** (Gleason score) **6(3+3), Grade group 1**
- **MRI examination** excludes lymphadenopathy and extraprostatic proliferation

### Middle-risk prostate parameters:

- **PSA** (prostate-specific-antigen) **10-20**
- or**
- **GS** (Gleason score) **7(3+4) Grade group 2** (but not GS 7 (4+3) Grade group 3)
- **MRI** examination excludes lymphadenopathy and extraprostatic proliferation.



# END-TO-END PROCESS

## 1 CONSULTATION WITH A PHYSICIAN

The first stage in the application process for oncology treatment is a consultation with a competent physician to assess the client's state of health and suitability for oncology treatment. As standard, the consultation takes place via email before the client arrives in the Czech Republic, and always through the Medical Tourism Coordinator. Before the consultation, the client must provide their most up-to-date medical documentation, including an MRI scan, PSA (prostate-specific-antigen) results, GS (Gleason score) and completed questionnaires specifying the state of their health, as well as other requirements.

In case the client is unable to undergo examinations which refer to current health conditions in his/her own country, it is also possible to undergo these examinations in our facility. If contraindications to radiotherapy treatment are found, the client will not be able to undergo treatment.

## 2 SCHEDULING OF RADIOTHERAPY

If radiotherapy is indicated, the date of radiotherapy should be planned.

### a. Starting date

After consultation with the physicians and an indication for radiotherapy, the patient chooses the starting date of radiotherapy.

It is going to be between 37 and 39 daily fractions (approximately 2 months). After this, the patient is released to home care with follow-up at his local doctor in his home country.

### b. Special Requirements

In the case of special requirements other than those indicated in the questionnaire by the patient, these must be communicated before the advance payment is made. Furthermore, we are happy to help our clients with their visa applications.

### c. Advance Payment and agreement

Before arriving in the Czech Republic, the client is required to pay the proforma invoice of 30% of the total amount due for the ordered services. Only after the payment is credited to the hospital's account is the date of hospitalisation confirmed. In addition, the client is required to sign the Client Agreement and return one copy. The Client Agreement includes attachments, such as informed consents that the client is required to read in advance.

## 3 TRANSPORT

Upon arrival in the Czech Republic, transport will be waiting at the airport to take the client to the hospital for admission. When the agreed period of hospitalisation comes to an end, transport is also arranged to a location within the surrounding area pre-specified by the client.

## 4 TREATMENT

During the radiotherapy treatment, a medical concierge is available for 2 hours per day to accompany the client to treatment procedures and interpret for the client and the hospital staff if necessary. Additional hours for the concierge service are governed by the applicable price list.

If additional above-standard services or services beyond the healthcare provision within the basic package have been ordered, the client must pay for such services the day before the end of their hospitalisation at the hospital's cash desk.

### a. Accommodation

As prevention of hospitalization, we offer the patient and their family members and accompanying persons extra hospital accommodation or others such as hotels or spas.

### b. Admission to the hospital

Upon arrival at the hospital, the client must register with the reception. The client must subsequently sign an informed consent, familiarise themselves with the hospital's rules and regulations and pay the remaining amount for the medical services ordered.

### c. Initiation of the therapy programme

After being accommodated in a hotel room, the client has to undergo initial examinations and pre-treatment diagnostics and then, the treatment procedure plan is set according to the client's current health needs. The programme usually starts on the next working day.

The set radiotherapy plan can be adjusted during the treatment depending on the physician's decision and the patient's health condition.

#### d. Termination of treatment

As part of the final examination at the end of the client's treatment, the client receives a discharge medical report in the Czech language and education from the physician. The medical report is automatically sent in English within 5 working days of the termination.

## 5 CLIENT CARE

As the health of our clients is very important to us, we continue to keep in contact with our clients even after their treatment has ended and remain fully available to them when needed.



# INFORMATION ON INITIATION OF THE THERAPY PROGRAMME

**WE APPRECIATE IT VERY MUCH THAT YOU HAVE CHOSEN OUR FACILITY FOR YOUR THERAPY AND HOPE YOU WILL BE SATISFIED WITH THE CARE PROVIDED BY US.**

We would hereby like to provide you with some important information regarding the arrangement of your stay at The Multiscan Radiology Centre Pardubice.

Before receiving the healthcare service, you and your concierge will go to the reception office, from where you will be accompanied to the relevant consultation room. Before starting the radiotherapy treatment, the patient must undergo the following examinations.





## REQUESTED PRE-TREATMENT EXAMINATIONS:

### 1. Initial examinations

Skeletal Scintigraphy

Prostate MR

The abdominal US (ultrasound)

Chest X-ray

**2. After the initial examination**, the patient undergoes a planned CT scan examination due to RT (radiotherapy) planning acquisition.

**3. Then follows the RT planning process**, pre-treatment verification, first patient setup, and the daily fraction of the total dose delivered at the linear accelerator. In the meantime, there are quality assurance procedures serving to assure that the delivered dose equals the plan, to verify the position of the patient and the prostate for each fraction, etc.

Pre-treatment diagnostics serve as a triage for the group of patients listed above. If the patient does not match the stated criteria for low and middle-risk prostate it is not convenient for radiotherapy without hormonal therapy.

## CONTACT PERSON

**FEEL FREE TO CONTACT US  
WITH ANY ENQUIRY**

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# PATIENT HEALTH, HUMANITY, HELPFULNESS

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