



# **Information for your specialist**

## **Proton therapy treatment for malignant lymphomas**

Proton Therapy Center Prague

## When is proton therapy indicated for malignant lymphomas?

If the patient is finishing their chemotherapy or has already finished and is being indicated for radiotherapy, you should consider proton therapy. Based on accepted international indications, the following patients shall be granted access to proton radiotherapy:

- Patients with original mediastinal disease at the level of the left main coronary artery and lower.
- Young women with axillary disease, where proton radiotherapy can spare the breast gland and thus significantly reduces the risk of developing a secondary breast carcinoma.
- Highly pre-treated patients (after several types of chemotherapy or bone marrow transplant), who are at a higher risk of developing radiation toxicity.
- Chemo-resistant patients, i.e. patients with localised disease which has not responded to systematic treatment.
- Patients after previous radiotherapy within the same or surrounding area.

Proton therapy treatment should optimally start 2-6 weeks after the patient finishes chemotherapy.

## Why proton therapy?

Due to the Bragg peak, proton therapy is one of the most precise radiation options. Compared to other radiation treatments, proton therapy reduces both acute and late side effects associated with cancer treatment, such as secondary tumours and cardiovascular diseases, preserving the quality of life as well as life expectancy.

## Why proton therapy treatment in Prague?

The Proton Therapy Center (PTC) in Prague has been focusing on proton radiotherapy RT for lymphomas since 2013 and recently established a Center of Excellence for Proton Radiotherapy (RT) of Malignant Lymphomas. For patients with mediastinal disease, a deep inspiration breath hold (DIBH) technology is being used which also takes into consideration

the movements of major blood vessels or heart pulsations. The patients are treated with the cooperation of radiation oncologists, radiodiagnosticians and radiological physicists. Very few centres in the world can offer this treatment on such a professional level.

During the treatment period, our team is closely cooperating with the patient's oncologist. Also, the PTC Prague has contracts with different British medical insurers.

## How to proceed?

As primary information to determine suitability for proton therapy, CT, MRI and PET/CT scanning will be needed, as well as the results of a biopsy. The oncologists at the Proton Therapy Center will then review these documents to determine whether the patient is eligible for proton therapy. If this is the case, in a very short time treatment planning will be scheduled.

## For more informations

To see radiation protocols for the treatment and other facts visit [www.ukprotontherapy.co.uk](http://www.ukprotontherapy.co.uk). Also, you can contact the on-line counselling centre for medical specialists in English under:

### Proton Therapy UK

15 Carnival Park, Carnival Close, Basildon, Essex SS14 3WN, United Kingdom

Company no. 07467015

Contact number: 01268 919 046

[www.proton-lymphoma.co.uk](http://www.proton-lymphoma.co.uk)

[www.ukprotontherapy.co.uk](http://www.ukprotontherapy.co.uk)

The PTUK team is located in the Proton Therapy Center in Prague.

### Proton Therapy Center

Budínova 2437/1a, 180 00 Praha 8, Czech Republic

Company no. 26466791

Contact number: +420 222 999 000

[www.proton-cancer-treatment.com](http://www.proton-cancer-treatment.com)

## About Proton Therapy Center Prague

The PTC has four treatment rooms (capacity 2500 patients per year) and is equipped with the cyclotron manufactured by IBA. We use the pencil beam scanning technique, which is the most precise form of proton therapy. Our centre is also equipped with a complex diagnostic examination system (MRI, PET / CT, CT, etc.) so that our patients can carry out all necessary diagnostic examinations and proton therapy treatments under one roof.

### Additional notes

- All treatments and examinations are usually performed on an outpatient basis
- Hospitalization for children is required and provided by our partner University Hospital in Motol
- Metal/ceramic parts in the body may be contraindication for proton therapy
- Pacemaker is a contraindication for proton therapy

### PTC International client service

At the PTC we understand that travelling for treatment can be a daunting prospect and we aim to provide the highest quality of care and assistance to our patients by providing the following services.

- Quick reply to enquiries, usually within one business day
- Once we have received the complete medical documentation, it only takes up to two business days to receive the reply from our medical team regarding suitability for treatment, number of fractions, etc.
- Our treatment coordinators speak: English, Czech, German, Italian
- 24/7 support for patients undergoing treatment
- During treatment, patients are supplied with a Czech cell phone to use in case of an emergency
- Patients are provided with a transportation pass, which allows them to travel for free around Prague
- Constant face-to-face assistance throughout the entire treatment process
- Help with flights, accommodation, transportation
- Airport transfers are included in the treatment package and organized by our treatment coordinator
- Upon arrival, the patient is greeted personally by one of our treatment coordinators. The patient also receives a "welcome package" with our PTC International Guide, a map of Prague, and a Lonely Planet guide.
- Help with obtaining a visa by providing an official document proving that the patient is coming here for treatment.