

# Fukui Prefectural Hospital Proton Therapy Center

Proton therapy is advanced cancer radiotherapy that makes the best use of physical characteristics of proton beams passing through materials and differing from the one of conventional radiotherapy. Aiming for perfect cancer control, Proton Therapy Center at Fukui Prefectural Hospital provides cutting-edge therapies with highly effective cure and the reduction of side effects by utilizing the general hospital facility at the maximum.



## Do You Know About Proton Therapy?

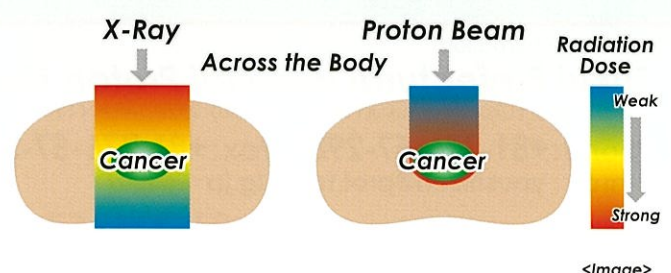
- ① Proton therapy has a highly therapeutic effect with less damage to the healthy tissue, because the radiation is focused on the cancerous tissue.
- ② The body's function and shape can be maintained well in comparison to surgery.
- ③ It makes treatment possible even if the cancer is near organs that are easily affected by radiation.
- ④ Compared to surgery, it reduces the burden on the body and is a gentle way to help heal those that are older.
- ⑤ Since the burden on the body is reduced, the patient can be an outpatient and get treatment even if they are still working.

## What is a proton beam?

Protons are extracted from a hydrogen atom by removing an orbital electron, and accelerated at a desired speed by an accelerator, that we call a proton beam.

## What is proton beam therapy?

Up until now, X-rays used for conventional radiotherapy deliver the highest radiation near the skin surface of patient body, and the radiation decreases as X-rays penetrate the body deeply. On the other hand, a proton beam can deliver the highest radiation at the depth of the cancer tissue and no radiation behind that. Thus proton therapy can provide more conformal radiation to the cancer in comparison to conventional X-ray radiotherapy.



## Targeted Cancer by Proton Therapy

Cancer Part	Cancer Name	Number of Times/Period
Nose・Face Otorhinology areas	Head and Neck Tumor	35 Times / 7 Weeks or 26 times / 6 weeks
Lung	Non-small cell lung cancer	10 Times / 2 Weeks or 22 Times / 5 Weeks
Liver	Liver Cancer	10 Times / 2 Weeks or 38 times / 8 weeks
Prostate	Prostate Cancer	28 Times / 6 Weeks or 37-39 Times / 8 Weeks
Lung・Liver・Bone Soft Tissue	Metastatic Cancer	8 Times / 2 Weeks

\*The above is a small portion of treatment examples

For more information about our therapy treatment policies,

please visit the Japanese Society for Radio Oncology's Website: [HP\(http://www.jastro.or.jp/particle\\_beam/\)](http://www.jastro.or.jp/particle_beam/)

## How to get a medical examination

If you were diagnosed with cancer at your local hospital, and wish to be treated through proton therapy, then the attending physician at your local hospital needs to send the necessary examination data as well as their prognosis to our Proton Therapy Center. Our center's doctors will then make a decision.

If the doctor decides that the patient is a candidate for proton therapy, then the patient will come to the Proton Therapy Center and receive treatment. After the treatment is finished, the patient will return to their local hospital for periodic check-ups on their progress.

### Your main hospital

- ① Patient introduction
  - Necessary examination
  - Condition check
- ④ Follow-up checkups after treatment

### Proton Therapy Center

- ② Indication decision
  - ↓
- ③ Treatment

## Access

### Public Transportation

From JR Fukui Station : takes 5 minutes by taxi or 10 minutes by bus

### Driving

From Hokuriku Expressway Fukui IC, Fukuikita IC : takes 10 minutes

From Komatsu Airport : takes 50 minutes

### \* Reference:

- From Osaka Station to Fukui Station: takes 2 hours
- From Nagoya Station to Fukui Station: takes 2 hours
- From Kyoto Station to Fukui Station : 1 and a half hours

### Coordinator

Name of Coordinator : Emergency Assistance Japan Co., Ltd.

Phone : +81-3-3811-8600 (English/Japanese)

+81-3-3811-8271 (Russian)

+81-3-3811-8251 (Chinese) \*Calls from within China : 010-8592-7080

### Contact Information

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8:30-17:00 Japan time (except for Saturdays, Sundays, and Holidays)



健康長寿の福井

● Fukui Prefectural Hospital