

Fukui Prefectural Hospital Proton Therapy Center

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Do You Know About Proton Therapy?

Proton therapy is an advanced therapy for cancer that is different from radiation therapy, as it uses the physical characteristics of proton beams. At Fukui Prefectural Hospital's Proton Therapy Center, we focus on controlling the cancer, using the general hospital's facility to its fullest extent, reducing the side effects, and use cutting-edge therapies in order to be highly effective in therapy treatment.



Do You Know About Proton Therapy?

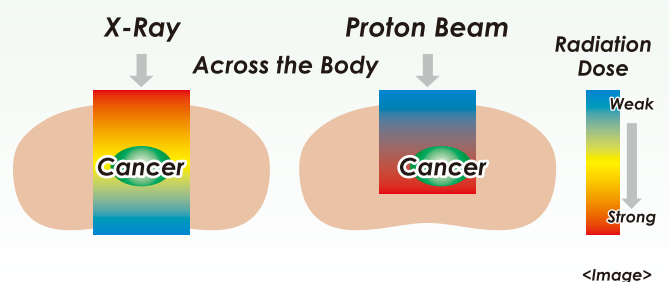
- 1 Proton therapy has a highly therapeutic effect and results in less damage to the healthy tissue, because the radiation is focused on the cancerous tissue.
- 2 It reduces harm to the body's function and formation.
- 3 It makes treatment possible even if the cancer is near organs that are easily affected 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 remain in a hydrogen atom when the electrons are removed. The protons are put into an acceleration device and are accelerated at a high speed, which is what we call a proton beam.

What is proton beam therapy?

Up until now, X-rays for radiation therapy would target the radiation to include the body's surrounding tissues. On the other hand, a proton beam will use radiation in accordance to the depth of the body. Thus, proton therapy is particularly advantageous, as it focuses on just eradicating the cancer tissue.



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 | 20 Times/4 Weeks |
| Prostate | Prostate Cancer | 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 must 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

Time:

From JR Fukui Station by car ~ 5 minutes; bus ~10 minutes

Hokuriku Expressway Fukui IC, Fukuikita IC ~10 minutes by car

From Komatsu Airport by car~50 minutes

* Required time for outside Fukui Prefecture to Fukui (JR)

- Osaka Station ~Fukui Station, ~ 2 hours
- Nagoya Station ~ Fukui Station, ~ 2 hours
- Kyoto Station ~ Fukui Station, ~ 1 hour 30 minutes

Contact Information

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8:30 ~ 17:00 (except for Saturdays, Sundays, and Holidays)

