

# The Principles and Mechanisms of Protons Beam Tumor Therapy

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Abstract: giving a new explanation of the essence of protons beam tumor therapy

## Main viewpoints and conclusions:

Different from the other types of particles beam tumor therapy, the essence of protons beam tumor therapy is to change the internal structure and acid or base character of diseased organ cells, but not to kill the associated tissue cells of diseased organ.<sup>[1][2]</sup>

The protons into and stay at the diseased organization, means the proportion or called concentration of the protons within the diseased organization have been increased; same time, also means the proportion or called concentration of the electrons within the diseased organization have been decreased.<sup>[3][4]</sup>

## References

[1] *Tumor*

<https://en.wikipedia.org/wiki/Neoplasm>

[2] *Proton beam therapy*

[https://en.wikipedia.org/wiki/Proton\\_therapy](https://en.wikipedia.org/wiki/Proton_therapy)

[3] *Brönsted-Lowry acid-base theory*

[https://en.wikipedia.org/wiki/Br%C3%B8nsted%E2%80%93Lowry\\_acid%E2%80%93base\\_theory](https://en.wikipedia.org/wiki/Br%C3%B8nsted%E2%80%93Lowry_acid%E2%80%93base_theory)

[4] *Lewis acid and base theory*

[https://en.wikipedia.org/wiki/Lewis\\_acids\\_and\\_bases](https://en.wikipedia.org/wiki/Lewis_acids_and_bases)