

Definition of Precision Therapy

Precision therapy refers to a medical approach where treatment is specifically tailored to the individual characteristics of each patient, including their genetic profile, molecular markers, disease subtype, and other personalized factors.

In oncology, precision therapy often targets specific molecules (such as PSMA in prostate cancer or glioblastoma) that are overexpressed in tumor cells or their environment, aiming to:

- Maximize treatment efficacy.
- Minimize damage to healthy tissues.
- Reduce side effects.
- Improve overall outcomes compared to conventional, non-specific therapies.

Precision therapy is a key concept in modern medicine, forming the basis of personalized treatment strategies and theranostics.

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Last update: **2025/04/26 11:42**

