

The Hidden Power of Treatment Timing

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What if improving cancer survival didn't require a new drug; just a different appointment time? A recent clinical trial suggests that the clock may play a powerful role in how well cancer treatment works. Researchers found that patients with advanced non-cell lung cancer who received immunotherapy and chemotherapy before 3 pm had their disease controlled for longer and lived significantly longer than those treated later in the day, without additional side effect.

Researchers believe this benefit is linked to the natural immune rhythms of the body, or "biological clock". During daytime hours, the immune system appears to be more alert and active, making cancer-fighting cells better prepared to respond to treatment. Together these findings show how something as simple as when treatment is performed can become a powerful way to improve cancer care without adding cost or risk.

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Source

<https://www.nature.com/articles/s41591-025-04181-w>

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