

Melatonin may help treat blood cancers

1 September 2017

Researchers have examined the potential benefits of melatonin, a hormone made by a small gland in the brain, for treating blood cancers such as leukemia and lymphoma. They point to evidence that melatonin boosts the immune response against cancer cells, inhibits cancer cell growth, and protects healthy cells from the toxic effects of chemotherapy.

Because melatonin is also involved in regulating circadian rhythms, which help coordinate and synchronize internal body functions, timing of melatonin treatments may be critical to their anticancer effects.

"We hope this information will be helpful in the design of studies related to the therapeutic efficacy of melatonin in [blood cancers](#)," said Dr. Yang Yang, senior author of the *British Journal of Pharmacology* article. "Also, clarifying the mechanisms of [melatonin](#)'s anticancer actions will help facilitate future basic research and clinical applications."

More information: *British Journal of Pharmacology* (2017). [DOI: 10.1111/bph.13966](https://doi.org/10.1111/bph.13966)

Provided by Wiley

APA citation: Melatonin may help treat blood cancers (2017, September 1) retrieved 1 May 2021 from <https://medicalxpress.com/news/2017-09-melatonin-blood-cancers.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.