

Is there a link between breast milk nutrients, circadian rhythms, and infant health?

September 19 2017



Credit: Mary Ann Liebert, Inc., publishers

The fat content and levels of several key nutrients and hormones in breast milk vary with the mother's circadian rhythm, which may have implications for the timing of breastfeeding and feeding of expressed milk, especially for high-risk infants.

The breast [milk](#) components that demonstrate circadian variation and how this may impact [infant health](#) are discussed in an article published in *Breastfeeding Medicine*.

Robert D. White, MD, author of the article entitled "Circadian Variation of Breast Milk Components and Implications for Care, " concludes that at least some of the macronutrients, hormones, and micronutrients that show circadian variation produce circadian stimuli that can improve the well-being of breastfed infants.

"The data summarized by Dr. White, if confirmed in future studies, will have major implications for the feeding management of high risk infants," says Arthur I. Eidelman, MD, Editor-in-Chief of *Breastfeeding Medicine*.

More information: Robert D. White, Circadian Variation of Breast Milk Components and Implications for Care, *Breastfeeding Medicine* (2017). [DOI: 10.1089/bfm.2017.0070](https://doi.org/10.1089/bfm.2017.0070)

Provided by Mary Ann Liebert, Inc

Citation: Is there a link between breast milk nutrients, circadian rhythms, and infant health? (2017, September 19) retrieved 6 May 2024 from <https://medicalxpress.com/news/2017-09-link-breast-nutrients-circadian-rhythms.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.