

# Stem cells from umbilical cord blood may help treat eczema

June 7 2016

---

A new study suggests that treatment with stem cells from umbilical cord blood might be an effective therapy for patients with moderate-to-severe eczema, or atopic dermatitis.

For the clinical trial, 34 patients were randomly assigned to receive a low dose or [high dose](#) of the cells subcutaneously. Fifty five percent of patients who received the high dose showed a 50% reduction in what's known as the Eczema Area and Severity Index score at week 12. Immune-related markers of [atopic dermatitis](#) also decreased significantly.

"This study is a first-in-class study demonstrating that adults with moderate-to-severe atopic dermatitis responded to a treatment of stem cells derived from [umbilical cord blood](#)," said Dr. Tae-Yoon Kim, senior author of the *Stem Cells* study. "The single treatment of stem cells in patients resulted in the significant and persistent improvement in disease symptoms throughout the follow-up period of 12 weeks."

**More information:** Hyung-Sik Kim et al, Clinical Trial of Human Umbilical Cord Blood-derived Stem Cells for the Treatment of Moderate-to-Severe Atopic Dermatitis: Phase I/IIa Studies, *STEM CELLS* (2016). [DOI: 10.1002/stem.2401](https://doi.org/10.1002/stem.2401)

Provided by Wiley

Citation: Stem cells from umbilical cord blood may help treat eczema (2016, June 7) retrieved 1 February 2024 from <https://medicalxpress.com/news/2016-06-stem-cells-umbilical-cord-blood.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.