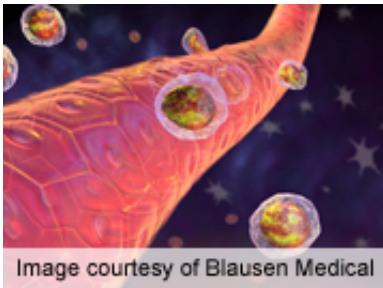


Sensory deficits common in patients with multiple myeloma

August 28 2014



(HealthDay)—Treatment-naïve patients with multiple myeloma (MM) frequently have sensory deficits, according to a study published online Aug. 25 in the *Journal of Clinical Oncology*.

Alyssa K. Kosturakis, from the University of Texas MD Anderson Cancer Center in Houston, and colleagues examined the incidence of subclinical neuropathy in treatment-naïve patients with MM with no history of [peripheral neuropathy](#). The authors collected quantitative sensory test (QST) results for 27 patients with a diagnosis of MM, and compared them with data from 30 age- and sex-matched healthy volunteers.

The researchers found that patients had an incidence of more than 80 percent for one or more subclinical QST deficit. Compared with [healthy](#)

[volunteers](#), patients had increased von Frey, bumps, and warmth detection thresholds. Increases were also observed in cold pain and sensorimotor deficits (grooved pegboard test), and higher overall [neuropathy](#) scores were seen among patients. In patients versus controls, Meissner's corpuscle density in the fingertips was significantly lower, and there was an inverse correlation with bumps detection threshold.

"Patients with MM commonly present with sensory and sensorimotor deficits before undergoing treatment, and these deficits seem to result from disease-related decreases in peripheral innervation density," the authors write.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2014 [HealthDay](#). All rights reserved.

Citation: Sensory deficits common in patients with multiple myeloma (2014, August 28)
retrieved 6 May 2024 from
<https://medicalxpress.com/news/2014-08-sensory-deficits-common-patients-multiple.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.
