

Glycemic control linked to lumbar surgery complications

12 September 2014



control, may benefit from improving [glycemic control](#) prior to surgery," conclude the authors.

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

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

(HealthDay)—For patients with diabetes mellitus (DM) undergoing degenerative lumbar spine surgery, suboptimal glycemic control contributes to increased risk of complications and poor outcomes, according to a study published in the Sept. 15 issue of *Spine*.

Javier Z. Guzman, from Icahn School of Medicine at Mount Sinai, New York City, and colleagues utilized data from the Nationwide Inpatient Sample from 2002 to 2011 to identify patients undergoing lumbar spine surgery for degenerative conditions. They examined the effect of glycemic control on perioperative morbidity and mortality.

The researchers found that 403,629 patients with controlled diabetes and 19,421 with uncontrolled diabetes underwent degenerative [lumbar spine surgery](#) from 2002 to 2011. Patients with uncontrolled diabetes had significantly increased odds of cardiac complications, deep venous thrombosis, and postoperative shock, compared to patients without diabetes. Furthermore, patients with uncontrolled diabetes had an increased mean length of stay (approximately, 2.5 days), greater costs (1.3-fold), and an elevated inpatient mortality risk (odds ratio, 2.6; P

"Patients with uncontrolled DM, or poor glucose

APA citation: Glycemic control linked to lumbar surgery complications (2014, September 12) retrieved 29 April 2021 from <https://medicalxpress.com/news/2014-09-glycemic-linked-lumbar-surgery-complications.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.