

Number of laparoscopic bariatric procedures continued to rise between 2003-2008

8 August 2011

According to a study published in the August issue of the *Journal of the American College of Surgeons*, there was an increase in the number of laparoscopic bariatric procedures, an increase in the number of bariatric surgeons and a decrease of in-hospital mortality rates between 2003 and 2008. During the past decade, the field of bariatric surgery has changed dramatically and the authors concluded that these trends are due, in part, to an increase in the use of laparoscopic techniques and a greater acceptance of bariatric surgery by patients.

"We've identified a national trend in the use of bariatric surgery that is tied to the rapid expansion of the laparoscopic approach to bariatric surgery and the laparoscopic adjustable gastric banding operation," said Ninh T. Nguyen, MD, FACS, chief surgeon for the Division of [Gastrointestinal Surgery](#) with University of California, Irvine Healthcare and the study's lead author. "Many reports we looked at documented the long-term survival and metabolic benefits of bariatric surgery and these benefits are having an impact on patients' willingness to accept bariatric surgery as an option for the treatment of [morbid obesity](#)."

Using data from the Nationwide Inpatient Sample (NIS) from 2003 through 2008, the study authors found that the number of bariatric operations peaked in 2004 at 135,985 cases (63.9 procedures per 100,000 adults) and reached a [plateau](#) at 124,838 cases (54.2 procedures per 100,000 adults) in 2008. The proportion of laparoscopic bariatric operations increased from just over 20 percent in 2003 to more than 90 percent in 2008 and the in-hospital mortality rate for these procedures decreased from 0.21 percent to 0.10 percent.

The researchers also identified a considerable

swell in the number of bariatric surgeons during the six-year study period. Bariatric surgeons with membership in the American Society for Metabolic and Bariatric Surgery (ASMBS) increased from 931 to 1,819 representing a 95 percent increase.

With regard to the procedures hitting a plateau in 2004, Dr. Nguyen concluded it was likely due to a decrease in patient demand or increased difficulty for patients to access bariatric surgery, possibly tied to lack of insurance coverage.

The median age of patients studied who underwent bariatric [surgery](#) ranged from 42 to 45 years, with 79.2 percent to 82.6 percent female and the proportion of Caucasians ranged from 71.3 percent to 78.2 percent. The study sample represents approximately 20 percent of U.S. community hospitals and includes public hospitals and academic medical centers.

Provided by Weber Shandwick Worldwide

APA citation: Number of laparoscopic bariatric procedures continued to rise between 2003-2008 (2011, August 8) retrieved 2 May 2021 from <https://medicalxpress.com/news/2011-08-laparoscopic-bariatric-procedures-.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.