

Oliceridine studied for IV pain relief after abdominoplasty

July 11 2019



(HealthDay)—Oliceridine is being proposed as an analgesic option for

the relief of moderate-to-severe acute postoperative pain, according to a study recently published in *Pain Practice*.

Neil K. Singla, M.D., from Lotus Clinical Research in Pasadena, California, and colleagues randomly assigned 401 patients with moderate-to-severe acute postoperative pain following abdominoplasty to a loading dose of either [placebo](#), oliceridine (1.5 mg), or [morphine](#) (4 mg), followed by demand doses administered through patient-controlled analgesia (0.1, 0.35, or 0.5 mg oliceridine; 1 mg morphine; or placebo) with a six-minute lockout interval.

The researchers found that effective analgesia was achieved with all oliceridine regimens, with responder rates of 61.0 percent for the 0.1-mg demand dose regimen, 76.3 percent for the 0.35-mg regimen, and 70.0 percent for the 0.5-mg regimen, versus 45.7 percent for placebo and 78.3 percent for morphine. Equivalent analgesic effect was seen for oliceridine 0.35- and 0.5-mg regimens, compared to morphine. The respiratory safety burden (RSB) demonstrated a dose-dependent increase across oliceridine regimens (mean hours, 0.1 mg: 0.43; 0.35 mg: 1.48; 0.5 mg: 1.59, compared to placebo [0.60]; the RSB measure for morphine was 1.72). There was also a dose-dependent increase in gastrointestinal adverse events across oliceridine demand dose regimens (0.1 mg: 49.4 percent; 0.35 mg: 65.8 percent; 0.5 mg: 78.8 percent, compared to placebo [47.0 percent] and morphine [79.3 percent]). However, the proportion of patients experiencing nausea or vomiting was lower with 0.35 and 0.5 mg oliceridine versus morphine.

"These findings support that oliceridine may provide a new treatment option for [patients](#) with moderate-to-severe acute [pain](#) where an intravenous opioid is warranted," the authors write.

Several authors disclosed financial ties to [pharmaceutical companies](#), including Trevena, which manufactures oliceridine and sponsored the

study.

More information: [Abstract/Full Text](#)

Copyright © 2019 [HealthDay](#). All rights reserved.

Citation: Oliceridine studied for IV pain relief after abdominoplasty (2019, July 11) retrieved 20 March 2024 from
<https://medicalxpress.com/news/2019-07-oliceridine-iv-pain-relief-abdominoplasty.html>

<p>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.</p>
--