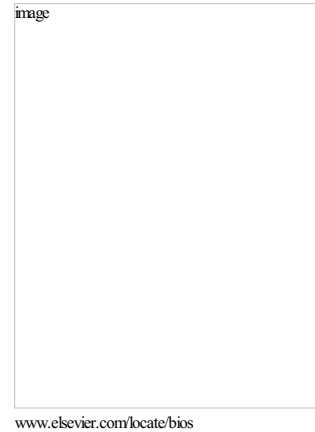


## Author's Accepted Manuscript

Effect of Levosimendan on Renal Outcome in Cardiac Surgery Patients with Chronic Kidney Disease and Perioperative Cardiovascular Dysfunction. A Substudy of a Multicenter Randomized Trial

Alberto Zangrillo, Gabriele Alvaro, Alessandro Belletti, Antonio Pisano, Luca Brazzi, Maria G. Calabrò, Fabio Guarracino, Tiziana Bove, Evgeny V. Grigoryev, Fabrizio Monaco, Vladimir A. Boboshko, Valery V. Likhvantsev, Anna M. Scandroglio, Gianluca Paternoster, Rosalba Lembo, Samuele Frassoni, Marco Comis, Vadim V. Pasyuga, Paolo Navalesi, Vladimir V. Lomivorotov



PII: S1053-0770(18)30143-5  
DOI: <https://doi.org/10.1053/j.jvca.2018.02.039>  
Reference: YJCAN4602

To appear in: *Journal of Cardiothoracic and Vascular Anesthesia*

Cite this article as: Alberto Zangrillo, Gabriele Alvaro, Alessandro Belletti, Antonio Pisano, Luca Brazzi, Maria G. Calabrò, Fabio Guarracino, Tiziana Bove, Evgeny V. Grigoryev, Fabrizio Monaco, Vladimir A. Boboshko, Valery V. Likhvantsev, Anna M. Scandroglio, Gianluca Paternoster, Rosalba Lembo, Samuele Frassoni, Marco Comis, Vadim V. Pasyuga, Paolo Navalesi and Vladimir V. Lomivorotov, Effect of Levosimendan on Renal Outcome in Cardiac Surgery Patients with Chronic Kidney Disease and Perioperative Cardiovascular Dysfunction. A Substudy of a Multicenter Randomized Trial, *Journal of Cardiothoracic and Vascular Anesthesia*, doi:10.1053/j.jvca.2018.02.039

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**TITLE**

Effect of levosimendan on renal outcome in cardiac surgery patients with chronic kidney disease and perioperative cardiovascular dysfunction. A substudy of a multicenter randomized trial

**AUTHORS**

Alberto Zangrillo<sup>1,2</sup>, MD; Gabriele Alvaro<sup>3</sup>, MD; Alessandro Belletti<sup>1</sup>, MD; Antonio Pisano<sup>4</sup>, MD; Luca Brazzi<sup>5,6</sup>, MD; Maria G. Calabrò<sup>1</sup>, MD; Fabio Guarracino<sup>7</sup>, MD; Tiziana Bove<sup>1</sup>, MD; Evgeny V. Grigoryev<sup>8</sup>, MD, PhD; Fabrizio Monaco<sup>1</sup>, MD; Vladimir A. Boboshko<sup>9</sup>, MD, PhD; Valery V. Likhvantsev<sup>10</sup>, MD, PhD; Anna M. Scandroglio<sup>1</sup>, MD; Gianluca Paternoster<sup>11</sup>, MD; Rosalba Lembo<sup>1</sup>, MSc; Samuele Frassoni<sup>1</sup>, MSc; Marco Comis<sup>12</sup>, MD; Vadim V. Pasyuga<sup>13</sup>, MD; Paolo Navalesi<sup>3,14</sup>, MD; Vladimir V. Lomivorotov<sup>9</sup>, MD, PhD; for the CHEETAH Study Group.

**Affiliations**

<sup>1</sup> Department of Anesthesia and Intensive Care, IRCCS San Raffaele Scientific Institute, Milan, Italy

<sup>2</sup> Vita-Salute San Raffaele University, Milan, Italy

<sup>3</sup> Department of Anesthesia and Intensive Care, AOU Mater Domini Germaneto, Catanzaro, Italy

<sup>4</sup> Division of Cardiac Anesthesia and Intensive Care Unit, AORN dei Colli - Monaldi Hospital, Naples, Italy

<sup>5</sup> Department of Anesthesia and Intensive Care, AOU Città della Salute e della Scienza, Turin, Italy

<sup>6</sup> Department of Surgical Sciences, University of Turin, Turin, Italy

<sup>7</sup> Division of Cardiothoracic Anesthesia and Intensive Care, Department of Anesthesia and Critical Care Medicine, AOU Pisana, Pisa, Italy

<sup>8</sup> Department of Anesthesiology and Intensive Care, State Research Institute for Complex Issues of Cardiovascular Disease, Kemerovo, Russia

Download English Version:

<https://daneshyari.com/en/article/10211969>

Download Persian Version:

<https://daneshyari.com/article/10211969>

[Daneshyari.com](https://daneshyari.com)