Correspondence

The lateral transversus thoracic muscle plane block is effective for the pericardial drainage

Keywords:
TTP block
Pericardial drainage
Pain management

To the Editor,

A transversus thoracic muscle plane (TTP) block can be blocked anterior branched of intercostal nerves (Th2-6) [1,2,3]. Therefore we think the TTP block is effective for the pericardial drainage. We report two cases of the pericardial drainage performing the TTP block. Case 1 was an 81-year-old woman (155 cm, 60 kg) with unknown past history. She performed an emergency percutaneous coronary intervention (PCI) for acute myocardial infarction five days ago. After the PCI, she complained of difficulty breathing two days after, and was pointed out a cardiac tamponade. Therefore, we performed a pericardial drainage via the xiphoid approach. Considering the efficacy of the perioperative analgesia, we performed lateral TTP block without general anesthesia. The TTP block was administered laterally by injection of 0.375% levobupivacaine 20 mL into the fascial plane between the left transversus thoracic muscle and the left intercostal muscle at between the forth and fifth connecting at the sternum by using a high-frequency linear probe. Twenty minutes after applying the block, the pericardial drainage was performed. The hemodynamic did not change during the pericardial drainage. The postoperative course was uneventful with no pain. The results demonstrated that the lateral TTP blocks were effective for good perioperative pain of the pericardial drainage. In future, The TTP block have been performed more and more as for the pericardial drainage. TTP block may be able to offer perioperative pain for the pericardial drainage.

Acknowledgements relating to this article

Assistance with the letter: none.
Financial support and sponsorship: none.
Conflict of interest: none.

References


Hironobu Ueshima, MD, PhD*
Hiroshi Otake, Md, PhD
Department of Anesthesiology, Showa University Hospital, Tokyo, Japan
*Correspondence author at: Department of Anesthesiology, Showa University Hospital, Hatanodai Shinagawa-ku, Tokyo, Japan.
E-mail address: ueshimhi@med.showa-u.ac.jp (H. Ueshima).

15 July 2017
学霸图书馆

www.xuebalib.com

本文献由“学霸图书馆-文献云下载”收集自网络，仅供学习交流使用。

学霸图书馆（www.xuebalib.com）是一个“整合众多图书馆数据库资源，提供一站式文献检索和下载服务”的24小时在线不限IP图书馆。

图书馆致力于便利、促进学习与科研，提供最强文献下载服务。

图书馆导航：

图书馆首页 文献云下载 图书馆入口 外文数据库大全 疑难文献辅助工具