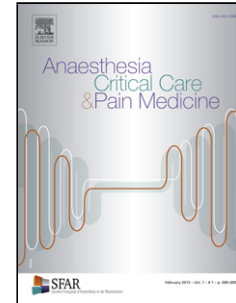


## Accepted Manuscript

Title: Reduced variability and execution time to reach a target with a needle GPS system: comparison between physicians, residents and nurse anaesthetists

Author: Marie Cécile Fevre Caroline Vincent Julien Picard Arnaud Vighetti Claire Chapuis Maxime Detavernier Benoit Allenet Jean François Payen Jean Luc Bosson Pierre Albaladejo



PII: S2352-5568(16)30143-6  
DOI: <http://dx.doi.org/doi:10.1016/j.accpm.2016.05.008>  
Reference: ACCPM 186

To appear in:

Received date: 10-8-2015  
Revised date: 12-5-2016  
Accepted date: 24-5-2016

Please cite this article as: Marie Cécile Fevre Caroline Vincent Julien Picard Arnaud Vighetti Claire Chapuis Maxime Detavernier Benoit Allenet Jean François Payen Jean Luc Bosson Pierre Albaladejo Reduced variability and execution time to reach a target with a needle GPS system: comparison between physicians, residents and nurse anaesthetists (2016), <http://dx.doi.org/10.1016/j.accpm.2016.05.008>

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 proof before it is published in its final 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.

**Reduced variability and execution time to reach a target with a needle GPS system: comparison between physicians, residents and nurse anesthetists.**

Marie Cécile Fevre, MD <sup>1</sup>; Caroline Vincent, PharmD<sup>2</sup>; Julien Picard, MD <sup>1,3</sup>; Arnaud Vighetti, MD <sup>1</sup>; Claire Chapuis, PharmD<sup>2</sup>; Maxime Detavernier, PharmD<sup>2</sup>; Benoit Allenet, PharmD, PhD <sup>2,3,4</sup>; Jean François Payen, MD, PhD <sup>1</sup>; Jean Luc Bosson, MD, PhD <sup>3,4</sup>; Pierre Albaladejo, MD, PhD <sup>1,3,4</sup>

1 Pôle Anesthésie Réanimation, CHU de Grenoble, F-38000 Grenoble, France

2 Pôle Pharmacie, CHU de Grenoble, F-38000 Grenoble, France

3 Univ. Grenoble Alpes, CNRS, TIMC-IMAG, F-38000 Grenoble, France

4 Inserm CIC 1406 F-38000 Grenoble, France

Corresponding Author:

Pierre Albaladejo, MD, PhD

Anaesthesiology and Intensive Care Department

Grenoble University Hospital

38043 Grenoble

PAIbaladejo@chu-grenoble.fr

**Key words:** needle positioning system, central venous access, regional anesthesia, healthcare professionals, video game

**Reduced variability and execution time to reach a target with a needle GPS system: comparison between physicians, residents and nurse anaesthetists.**

Download English Version:

<https://daneshyari.com/en/article/8609079>

Download Persian Version:

<https://daneshyari.com/article/8609079>

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