

# INPLASY PROTOCOL

To cite: Ren et al. Selection of intraosseous access devices in adult patients: a systematic review and meta-analysis. Inplasy protocol 202150065. doi: 10.37766/inplasy2021.5.0065

Received: 17 May 2021

Published: 17 May 2021

**Corresponding author:**  
Gang Li

gafgripen@gmail.com

**Author Affiliation:**  
Shenyang Pharmaceutical  
University

**Support:** University.

**Review Stage at time of this submission:** Preliminary searches.

**Conflicts of interest:**  
None declared.

## Selection of intraosseous access devices in adult patients: a systematic review and meta-analysis

Ren, J<sup>1</sup>; Man, Y<sup>2</sup>; Li, G<sup>3</sup>.

**Review question / Objective:** Determine which device has the highest success rate.

**Condition being studied:** Simulation and real-life scenario.

**Study designs to be included:** RCT, Comparative Study, Observational Study.

**INPLASY registration number:** This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 17 May 2021 and was last updated on 17 May 2021 (registration number INPLASY202150065).

### INTRODUCTION

**Review question / Objective:** Determine which device has the highest success rate.

**Condition being studied:** Simulation and real-life scenario.

### METHODS

**Participant or population:** Adult patients.

**Intervention:** NIO, BIG, and FAST-1.

**Comparator:** EZ-IO.

**Study designs to be included:** RCT, Comparative Study, Observational Study.

**Eligibility criteria:** The authors did not describe the eligibility criteria.

**Information sources:** Electronic databases.

---

**Main outcome(s):** Success rate.

**Quality assessment / Risk of bias analysis:**  
The authors did not describe the quality assessment/ risk of bias analysis.

**Strategy of data synthesis:** The authors did not describe the strategy of data synthesis.

**Subgroup analysis:** RCT, Comparative Study, Observational Study.

**Sensitivity analysis:** The authors did not describe sensitivity analysis.

**Country(ies) involved:** China.

**Keywords:** Intraosseous device.

**Contributions of each author:**

Author 1 - Jinchun Ren.

Email: chinapsk@gmail.com

Author 2 - Yunqi Man.

Email: 1951211293@qq.com

Author 3 - Gang Li.

Email: gafgripen@gmail.com