

PEER-REVIEW REPORT

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Title: Ultrasound-guided, direct suprainguinal injection for fascia iliaca block for total hip arthroplasty: A retrospective study

Reviewer's code: 00502903

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

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Reviewer chosen by: Ya-Juan Ma

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Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript presents a retrospective case series of patients receiving regional anesthesia with ultrasound (US)-guided suprainguinal fascia iliaca block vs no block for total hip arthroplasty, compared to historical controls. Overall, this study is innovative for representing the first (to my knowledge) case series describing outcomes associated with direct suprainguinal injection for fascia iliaca block. The advantage of this technique is to stay well clear of the surgical site, in contrast to more widely established infrainguinal injection approaches with the block needle directed cephalad for the fascia iliaca block. Because the injection site is of prime interest, I would suggest clarifying the title as, "Ultrasound-guided, direct suprainguinal injection site for fascia iliaca block for total hip arthroplasty: a retrospective study". Despite the generally acceptable English writing, still a few spelling and grammar errors are found: -Abstract, Results: "Thirty-one eld patients" - elderly -Page 5: "anestheisa" - anesthesia -Page 5: "neuralxial" - neuraxial -Page 7: "under the guidance of an in-plane" - ultrasound -Page 7: "high-frequency linear array probe (6-13 Hz, Sonosite)" - MHz Would it be possible to publish an instructional ultrasound video to demonstrate the technique as a video tip accompanying this article? Having used the 6-13MHz Sonosite probe (compared to higher frequency probes for soft tissue injections), the authors report an impressive success rate here. Page 10, Complications and adverse events: Was hypotension or bradycardia compared between groups? To be added to Discussion, one of the limitations of this study is that one anesthesiologist performed all injections; thus, generalizability and safety need to be established in training institutions.