LETTER



Letter to the Editor Regarding "Comparison of Ultrasound-Guided Caudal Epidural Blocks and Spinal Anesthesia for Anorectal Surgery: A Randomized Controlled Trial"

Vinai Theerthaan Meenakshi Sundaram 🕟 · Vinod Krishnagopal · Rashmi Chellappa · Raghuraman M. Sethuraman · Sathyasuba Meenakshi Sundaram

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To the Editor.

We read with great interest the recently published article that compared ultrasound-guided caudal epidural blocks vs spinal anesthesia for anorectal surgery by Chen et al. [1]. We congratulate the authors on this wonderful study and wish to seek some clarification from the authors.

The main point of contention is that whenever the term "double blinding" is used, it means that the experimenter and the participants are unaware of the procedure done. In this study, patients were not blinded from the procedure they underwent as the site as well as positioning for both the procedures was different. Hence, we feel that the use of the term "double blinding" in this study may not be appropriate [2]. Although it appears that the block performer and the assessors were blinded, it still cannot be considered "double blinding".

Another point that needs clarification is that no precautionary technique was used to exclude

V. T. Meenakshi Sundaram (\boxtimes) · V. Krishnagopal · R. Chellappa · R. M. Sethuraman

S. Meenakshi Sundaram

Department of Anesthesiology, Sree Balaji Medical College and Hospital (BIHER), #7, Works Road, New Colony, Chromepet, Chennai 600044, India e-mail: vinai0710@gmail.com

intravascular placement of the needle in the caudal epidural group. Fluoroscopy studies reveal that the incidence of accidental intravascular injections ranges between 3% and 14%, despite negative aspiration. The presence of unidirectional flow in color Doppler may be considered as a surrogate of injectate spreading in the caudal epidural space [3].

The number of attempts, being a confounding factor, should have been taken into account since spinal anesthesia is a blind procedure and an increase in the number of attempts can lead to a decrease in patient satisfaction as compared to ultrasound-guided caudal epidural block which can be done in a single attempt. So in the Chen et al.'s study, the number of attempts underwent by the patient subjected to spinal anesthesia should have been mentioned and patients undergoing multiple attempts must have been excluded from the study.

Lastly, we feel that some of the important conditions like the fusion of sacrum in adults, previous spinal surgeries, and spinal deformities should have been in the exclusion criteria [3]. Also, Chen et al. did not mention the total dose of dexmedetomidine used in each patient, which we believe could have an impact on two factors: (1) mean arterial pressure and (2) patient satisfaction scores [4, 5].

318 Pain Ther (2023) 12:317–318

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Data Availability. Data sharing is not applicable to this article because no data sets were generated or analyzed during the current study.

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