

RESPONSE TO A LETTER TO THE EDITOR



Reply to: Ratio of Optic Nerve Sheath Diameter to Eyeball Transverse Diameter by Ultrasound Can Predict Intracranial Hypertension in Traumatic Brain Injury Patients: A Prospective Study

Jie Du¹, Yanjun Deng¹, Hua Li¹, Shigang Qiao^{1,2}, Mengnan Yu¹, Qingya Xu¹ and Chen Wang^{1,2*}

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Dear editor,

We would like to thank Dr. De Bernardo and co-workers for this insightful comment. In practice, it is concluded that eyeball transverse diameter (EDT) can be reliably obtained:

1. Studies [1, 2] have shown that optic nerve sheath diameter (ONSD)/ETD can predict intracranial pressure more accurately than ONSD.
2. In practice, clear images can be obtained by reducing time gain compensation and adjusting lateral gain

compensation. After a period of training, operators can use ultrasound to obtain a more reliable EDT value.

3. The ratio of ONSD to EDT tested by ultrasound may be a reliable indicator for predicting intracranial hypertension in TBI patients. We emphasize that the study's clinical practicability must be confirmed by multicenter and large-sample studies.

*Correspondence: anesthesia_chen@163.com

¹ Department of Anesthesiology and Perioperative Medicine, The Affiliated Suzhou Science and Technology Town Hospital, Nanjing Medical University, Suzhou Science and Technology Town Hospital, No. 1 Lijiang Road, Gaoxin District, Suzhou 215153, Jiangsu Province, China
Full list of author information is available at the end of the article

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**CT-ONSD/ETD
(before surgery)**

**US-ONSD/ETD
(after surgery)**

A case of 86-year old female patient with basal ganglia hemorrhage

Author details

¹ Department of Anesthesiology and Perioperative Medicine, The Affiliated Suzhou Science and Technology Town Hospital, Nanjing Medical University, Suzhou Science and Technology Town Hospital, No. 1 Lijiang Road, Gaoxin District, Suzhou 215153, Jiangsu Province, China. ² Institute of Clinical Medicine Research, The Affiliated Suzhou Science and Technology Town Hospital, Nanjing Medical University, Suzhou Science and Technology Town Hospital, No. 1 Lijiang Road, Gaoxin District, Suzhou 215153, Jiangsu Province, China.

Compliance with Ethical Standards

Conflict of interest

The authors have disclosed they have no conflicts of interest.

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