

## Accepted Manuscript

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PII: S0165-0270(17)30146-2  
DOI: <http://dx.doi.org/doi:10.1016/j.jneumeth.2017.05.019>  
Reference: NSM 7745

To appear in: *Journal of Neuroscience Methods*

Received date: 27-2-2017  
Revised date: 11-5-2017  
Accepted date: 13-5-2017



Please cite this article as: Hirahara Mikiko, Fujiwara Naoshi, Seo Kenji. Novel trigeminal slice preparation method for studying mechanisms of nociception transmission. *Journal of Neuroscience Methods* <http://dx.doi.org/10.1016/j.jneumeth.2017.05.019>

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# Title: Novel trigeminal slice preparation method for studying mechanisms of nociception transmission

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## Highlights

- A trigeminal slice including the subnucleus caudalis and root entry was prepared.
- Optical fluorescence intensity measurement was used for calcium imaging.
- Stimulation of the root entry evoked a fluorescence intensity in the Vc.
- An intracellular calcium increase was mediated by glutamate receptor transmission.
- This new method of slice preparation is a good model for trigeminal nociception.

The number of Text pages; 26

The number of Figures; 8

The number of Tables; None

Supplemental data; 1

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