

# Accepted Manuscript

A comparison between swallowing sounds and vibrations in patients with dysphagia

Faezeh Movahedi, Atsuko Kurosu, James L. Coyle, Subashan Perera, Ervin Sejdić

PII: S0169-2607(16)30836-7  
DOI: [10.1016/j.cmpb.2017.03.009](https://doi.org/10.1016/j.cmpb.2017.03.009)  
Reference: COMM 4379



To appear in: *Computer Methods and Programs in Biomedicine*

Received date: 9 August 2016  
Revised date: 27 January 2017  
Accepted date: 9 March 2017

Please cite this article as: Faezeh Movahedi, Atsuko Kurosu, James L. Coyle, Subashan Perera, Ervin Sejdić, A comparison between swallowing sounds and vibrations in patients with dysphagia, *Computer Methods and Programs in Biomedicine* (2017), doi: [10.1016/j.cmpb.2017.03.009](https://doi.org/10.1016/j.cmpb.2017.03.009)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- Cervical auscultation refers to sounds or vibrations captured during swallowing.
- Microphones and accelerometers are common sensors used for cervical auscultation.
- Open questions exist about information provided by the two sensors about the swallowing function.
- We investigated these questions in the current manuscript.
- Details provided by microphones and accelerometers about the swallowing function are unique and these two transducers are not interchangeable.
- The selection of transducer would be a vital step in future studies.

Download English Version:

<https://daneshyari.com/en/article/4958153>

Download Persian Version:

<https://daneshyari.com/article/4958153>

[Daneshyari.com](https://daneshyari.com)