# High framerate deglutition setting does not improve detection of aspiration.

***Do additional pulses per second in pediatric deglutition studies increase the rate of aspiration detection?***


**Flemington, EN**[1]
**Wong, LM**[1,2]

1. **University of Nebraska Medical Center**
2. **Children's Hospital and Medical Center**
   Department of Radiology


**Child Health Research Institute**

University of Nebraska Medical Center

Children's Hospital & Medical Center

## Method

- A large scale (N=1000), retrospective study, examining deglutition studies over a two-year period was performed.
- We compared the rate of detecting aspiration between two framerate settings: 3 pulses/second (P/S) and 7.5 P/S.
- Thin, thin nectar, nectar, honey, puree and solid consistencies were examined.
- Chi-square test of independence was used to test whether there was a statistical difference observed in aspiration rates with each framerate for each of the 6 consistencies.

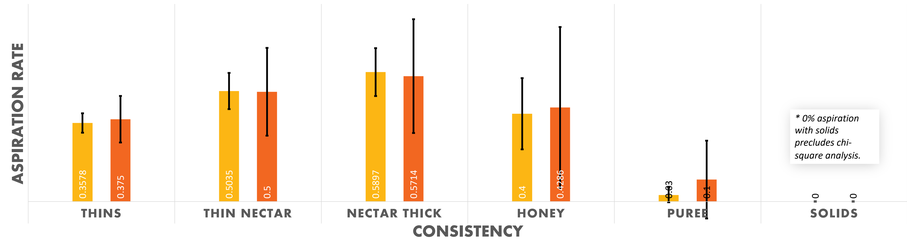
## Results

**3 P/S Setting**

**7.5 P/S Setting**

Margin of error bars at 95% Confidence Intervals.

***Framerate and rate of aspiration were found to be independent of one another for each consistency*.***




## Conclusion

- **The rate of detecting aspiration does not improve when using a higher 7.5 P/S setting as compared to 3 P/S.**
- **We recommend utilizing the lower 3 P/S framerate setting to minimize unnecessary radiation exposure.**

**Take a picture** to **download** the **full paper.**

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