

## Biostatistics statement

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**Title:** Ling classification describes the progressive process of achalasia under endoscopy and successful peroral endoscopy myotomy seems to have the ability to prevent endoscopic progression of achalasia

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The statistical review of the present study has been performed by a biomedical statistician of PLA General Hospital. All statistical analyses were performed using SPSS software version 17.0. Variables are expressed as mean or median. The Kruskal-Wallis test or single factor analysis of variance were used to compare the onset age, age at time of diagnosis, duration of symptoms, and LESP among the five Ling types. Chi-squared test was used to compare the sex ratio among the five Ling types. All reported p-values are two-tailed; p-values of  $<0.05$  were considered statistically significant.

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