

Biostatistics review certificate

17th April 2020

Title of article: **The impact of biopsy needle type on the clinical efficacy of EUS guided tissue acquisition: Comparison of the Reverse bevel vs Franseen type EUS needle**

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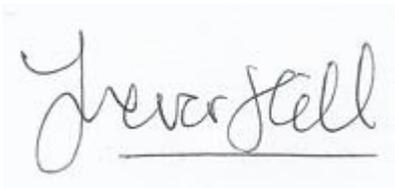
Dear Sir/Madam,

I can confirm that I have read the above article, and in my opinion the statistical methods and presentation of results are appropriate for the study design.

The study sample is a retrospective cohort of adults undergoing endoscopic ultrasound fine needle biopsy at Nottingham University Hospitals NHS Trust, between January 2016 and February 2019.

The analysis employs methods applicable for the type of data collected, including the Student t-test and one-way ANOVA for associations between categorical predictors and continuous outcomes, and the study sample is described with the numbers in each treatment group given and demographic characteristics between the groups compared.

Yours faithfully,

A handwritten signature in black ink that reads "Trevor Hill". The signature is written in a cursive style and is positioned above a horizontal line.

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