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Name of Journal: World Journal of Gastrointestinal Endoscopy

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Retrospective Study

Comparison of the reverse bevel versus Franseen type endoscopic ultrasound needle

Chow CW et al. EUS needle on tissue acquisition

Chi Wing Chow, Syeda Asma Haider, Krish Ragunath, Guruprasad P Aithal, Martin James, Jacobo Ortiz-Fernandez-Sordo, Aloysious Dominic Aravinthan, Suresh Vasan Venkatachalapathy

#### Abstract

BACKGROUND

Reverse bevel (RB) needle is widely used for endoscopic ultrasound fine needle biopsy

(EUS-FNB). A 3-plane symmetrical needle with Franseen geometry (FG) has recently

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#### Comparison of FNA and fine-needle biopsy for EUS-guided ...

https://www.sciencedirect.com/science/article/pii/S0016510717300275

A total of 106 patients (53 men, mean [ $\pm$  SD] age 62.19  $\pm$  16.33 years) were included in the study undergoing **EUS**-FNA or **EUS**-FNB of subepithelial lesions (). The **needle** size that was used most was a 22 gauge, and there was no significant difference in the size of the **needle** between the FNA and FNB groups (P = .14) (). The average size of the lesions was 27.68  $\pm$  15.70 mm; 71.7% of ...

Cited by: 29 Author: Abdul Hamid El Chafic, David Loren, Ali ...

Publish Year: 2017

#### Comparing endoscopic ultrasound-guided core biopsies of ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6191864

In this large, single-center study, **EUS**-FNB performed with a novel **Franseen-type biopsy needle** proved to be an effective modality for **tissue acquisition** from all solid lesions. We showed a very high histological and diagnostic yield, with equal effectiveness in both pancreatic and extrapancreatic lesions.

#### Diagnostic yield of Franseen and Fork-Tip biopsy needles ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6773615

Oct 01, 2019 · Background and study aims Although newer **needle** designs are thought to improve diagnostic outcomes **of** endoscopic ultrasound-**guided** fine-**needle biopsy**, there is limited evidence on their diagnostic performance. The aim of this meta-analysis was to provide a pooled estimate of the diagnostic performance and safety profile of **Franseen** and Fork-tip fine-**needle biopsy** ...

Cited by: 1 Author: Antonio Facciorusso, Valentina Del Pret...

Publish Year: 2019

#### Recent advancement in EUS-guided fine needle sampling

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6470116

Indication of FUS-FNA FUS-FNA is useful technique for diagnosis and staging of lesions in and

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## Prospective comparison study of Franseen needle and ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6927138

The rate of adequate tissue obtained was significantly higher for the Franseen needle than for the standard needle (89.4% vs. 62.5%, respectively; P < 0.05). The sensitivity and accuracy of the Franseen needle were 80.7%, and 84.6%, respectively, while those for the standard needle ...

## Comparison of 22G reverse-beveled versus standard needle ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4528208

Nov 18, 2014 · Comparison of 22G reverse-beveled versus standard needle for endoscopic ultrasoundguided sampling of solid pancreatic lesions Abdullah Alatawi , 1 Frédéric Beuvon , 2 Sophie Grabar , 3, 4 Sarah Leblanc, 1 Stanislas Chaussade, 1, 4 Benoît Terris, 2, 4 Maximilien Barret, 1, 4 and Frédéric Prat 1,

Cited by: 75 Publish Year: 2015 Author: Abdullah Alatawi, Frédéric Beuvon, Sophie ...

#### Randomized trial comparing the Franseen and Fork-tip ...

https://www.ncbi.nlm.nih.gov/pubmed/29305893

We compared 22-gauge Franseen and 22-gauge Fork-tip needles in patients undergoing EUS-guided sampling of pancreatic masses. METHODS: Fifty patients underwent sampling using both 22-gauge Franseen and 22-gauge Fork-tip needles, with randomization of needle order. Two dedicated passes were performed using both needles for cell block.

Cited by: 56 Author: Ji Young Bang, Shantel Hebert-Magee, Uda...

Publish Year: 2018

#### Comparing Needles and Methods of Endoscopic Ultrasound ...

https://www.physiciansweekly.com/comparing-needles... •

Samples collected by fork-tip or franseen needles had significantly higher cellularity than samples collected by reverse-bevels or Menghini-tip needles (P<.001). Neoplasias were identified with greater than 90% accuracy using samples collected by fork-tip or franseen needles (P<.001 compared with other needles).

## Comparison of a 22-gauge Franseen-tip needle with a 20 ...

https://www.sciencedirect.com/science/article/pii/S0016510719323818

Feb 01, 2020 · A 19-gauge histology needle versus a 19-gauge standard needle in endoscopic ultrasoundguided fine-needle aspiration for solid lesions: a multicenter randomized comparison study (GREATER Study) Dig Dis Sci, 63 (2018), pp. 1043-1051

Author: Akira Kurita, Satoru Yasukawa, Yoh Zen, Ke... Cited by: 3

Publish Year: 2020

#### Comparing Needles and Methods of Endoscopic Ultrasound ...

https://www.sciencedirect.com/science/article/pii/S1542356520309058

Jul 08, 2020 - Diagnostic adequacy for a single pass: This was significantly higher at 93.8-100% for franseen and fork- tip needles compared to 63.6-87.9% for Menghini-tip and reverse-bevel needles for both no suction and stylet retraction techniques (Table 2).

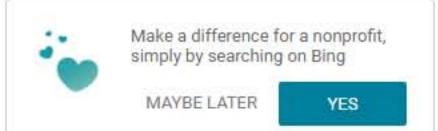
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Cited by: 76 Author: Abdullah Alatawi, Frédéric Beuvon, Sophi...

Publish Year: 2015

# Randomized trial comparing the Franseen and Fork-tip ...

https://pubmed.ncbi.nlm.nih.gov/29305893

There was no significant difference between **Franseen** and Fork-tip needles in yielding histologic tissue. Given their ability to yield diagnostic cell block in greater than 90% of patients, the new-generation fine-needle biopsy needles may obviate the need for ROSE. (Clinical trial registration numbe ...

## Randomized trial comparing the Franseen and Fork-tip ...

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Publish Year: 2020

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