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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 Vasanth Venkatachalapathy

Abstract

BACKGROUND

Reverse bevel (RB) needle is widely used ¹⁵ 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 ± 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 ± 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** **EUS-FNA** **EUS-FNA** is useful technique for diagnosis and staging of lesions in and



Comparison of the reverse bevel versus Franseen type endoscopic



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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 ultrasound-guided sampling of solid pancreatic lesions** Abdullah Alatawi , 1 Frédéric Beuvon , 2 Sophie Grabar , 3, 4 Sarah Leblanc , 1 Stanislas Chaussade , 1, 4 Benoit Terris , 2, 4 Maximilien Barret , 1, 4 and Frédéric Prat 1, 4

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

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 ultrasound-guided fine-needle** aspiration for solid lesions: a multicenter randomized **comparison** study (GREATER Study) Dig Dis Sci, 63 (2018), pp. 1043-1051

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

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 needles.

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

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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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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.

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