

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 55337

Manuscript Type: ORIGINAL ARTICLE

Retrospective Study

Accuracy of endoscopic ultrasound-guided needle aspiration specimens for molecular diagnosis of non-small-cell lung carcinoma

EBUS-TBNA and EUS-FNA in NSCLC diagnosis

Abstract

BACKGROUND

Endoscopic ultrasonography-guided fine-needle aspiration (EUS-FNA) and endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) are highly sensitive for diagnosing and staging lung cancer. In recent years, targeted therapy has shown great significance in the treatment of non-small-cell lung carcinoma (NSCLC). Using these minimally invasive techniques to obtain specimens for molecular testing will provide patients with a more convenient diagnostic approach.

AIM

To evaluate the feasibility and accuracy of tissue samples obtained using EUS-FNA and EBUS-TBNA for molecular diagnosis of NSCLC.

Match Overview

1	Crossref 26 words Hyo Jae Kang, Bin Hwangbo, Jin Soo Lee, Moon Soo Kim, Jo ng Mog Lee, Geon-Kook Lee. "Comparison of Epidermal Gro	1%
2	Internet 17 words crawled on 18-Sep-2020 onlinelibrary.wiley.com	1%
3	Crossref 16 words Gonzalo Labarca, Erik Folch, Michael Jantz, Hiren J Mehta, A dnan Majid, Sebastian Fernandez-Bussy. "Adequacy of Samp	1%
4	Internet 13 words crawled on 22-May-2020 pesquisa.bvsalud.org	<1%
5	Crossref 13 words "Precision in Pulmonary, Critical Care, and Sleep Medicine", Springer Science and Business Media LLC, 2020	<1%
6	Internet 12 words crawled on 25-Dec-2017 www.jove.com	<1%
7	Internet 12 words crawled on 18-Sep-2020 www.dovepress.com	<1%

30,800 Results

Any time ▾

Endobronchial ultrasound-guided transbronchial needle ...

<https://www.ncbi.nlm.nih.gov/pubmed/23993894>

Endobronchial **ultrasound-guided transbronchial needle aspiration** in the mediastinal staging of **non-small cell lung cancer**: a meta-analysis. Dong X(1), Qiu X(2), Liu Q(3), Jia J(4). Author information: (1)Department of Hematology-Oncology, Tianjin Medical University General Hospital, Tianjin, China.

Cited by: 78

Author: Xifeng Dong, Xiaochun Qiu, Qian Liu, Jac...

Publish Year: 2013

Suitability of Endobronchial Ultrasound-guided ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3378660>

Jun 15, 2012 · Endobronchial **ultrasound-guided transbronchial needle aspiration** (EBUS-TBNA) has emerged as a procedure for the **diagnosis** and staging of **non-small cell cancer**. However, it is unclear whether the cytological **specimens** obtained from EBUS-TBNA are suitable for the subclassification and genotyping of **non-small cell lung cancer**.

Cited by: 245

Author: Neal Navani, James M. Brown, Matthew ...

Publish Year: 2012

Endobronchial ultrasound-guided transbronchial needle ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5459867>

Dec 15, 2016 · Considering the cytological approach to EBUS-TBNA specimens, sensitivity in the diagnosis of lung cancer is recorded to be up to 90% after **learning curve (4)** and diagnostic accuracy for this technique is reported to be higher than that for CT and PET (98% vs.60.8% and 72.5%, respectively).

Cited by: 7

Author: Luisella Righi, Francesca Franzi, Frances...

Publish Year: 2017

Endoscopic ultrasound-guided fine-needle aspiration biopsy ...

<https://acsjournals.onlinelibrary.wiley.com/doi/10.1002/cncr.20451>

Jun 30, 2004 · **Endoscopic ultrasound (EUS)**, a relatively new modality, is more sensitive than conventional computed tomography (CT) scan for detecting small pancreatic tumors (< 3.0 cm) and determining their resectability based on vessel invasion. 1-4 The appearance of the lesions at EUS, however, cannot reliably distinguish benign from malignant lesions. 5, 6 **EUS-guided fine-needle aspiration** ...



ALL

IMAGES

VIDEOS

62,300 Results

Any time ▼

Acquisition and Processing of Endobronchial Ultrasound ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3326290>

Mar 15, 2012 · Recent advances in therapy for non–small cell lung carcinoma have shown that a personalized approach to treatment has the potential to significantly reduce lung cancer mortality. Concurrently, endoscopic ultrasound transbronchial needle aspiration has emerged as an **accurate and sensitive tool for the diagnosis** and staging of this disease.

Cited by: 89

Author: William Bulman, Anjali Saqi, Charles A. Po...

Publish Year: 2012

Acquisition and processing of endobronchial ultrasound ...

<https://pubmed.ncbi.nlm.nih.gov/22071327>

Abstract. Recent advances in therapy for non-small cell lung carcinoma have shown that a personalized approach to treatment has the potential to significantly reduce lung cancer mortality. Concurrently, endoscopic ultrasound transbronchial needle aspiration has emerged as an **accurate and sensitive tool** for the diagnosis and staging of this disease.

Cited by: 89

Author: William Bulman, Anjali Saqi, Charles A. Po...

Publish Year: 2012

Suitability of Endobronchial Ultrasound-guided ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3378660>

Jun 15, 2012 · Endobronchial **ultrasound-guided** transbronchial **needle aspiration** (EBUS-TBNA) has emerged as a procedure for the **diagnosis** and staging of **non–small cell** cancer. However, it is unclear whether the cytological **specimens** obtained from EBUS-TBNA are suitable for the subclassification and genotyping of **non–small cell lung** cancer.

Cited by: 252

Author: Neal Navani, James M. Brown, Matthew Na



61,100 Results

Any time ▾

[Suitability of Endobronchial Ultrasound-guided ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3378660>

Jun 15, 2012 · Endobronchial **ultrasound-guided** transbronchial **needle aspiration** (EBUS-TBNA) has emerged as a procedure for the **diagnosis** and staging of **non-small cell** cancer. However, it is unclear whether the cytological **specimens** obtained from EBUS-TBNA are suitable for the subclassification and genotyping of **non-small cell lung** cancer.

Cited by: 254

Author: Neal Navani, James M. Brown, Matthew ...

Publish Year: 2012

[Acquisition and processing of endobronchial ultrasound ...](#)

<https://pubmed.ncbi.nlm.nih.gov/22071327>

Abstract. Recent advances in therapy for non-small cell lung carcinoma have shown that a personalized approach to treatment has the potential to significantly reduce lung cancer mortality. Concurrently, endoscopic ultrasound transbronchial needle aspiration has emerged as an **accurate and sensitive tool** for the diagnosis and staging of this disease.

Cited by: 88

Author: William Bulman, Anjali Saqi, Charles A. P...

Publish Year: 2012

[Endoscopic ultrasound-guided fine-needle aspiration for ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4613805>

Oct 25, 2015 · Core tip: Pancreatic cysts comprise non-neoplastic cysts and neoplastic cysts. It is absolutely essential that an **accurate diagnosis** is rendered so that effective care can be given to each patient. In many centers, **endoscopic ultrasound (EUS)**-guided fine-**needle aspiration** (FNA) has emerged as the modality of choice that enables one to distinguish between mucinous and non ...

Cited by: 6

Author: Amanda K Martin, Zhongren Zhou

Publish Year: 2015

[EBUS and EUS guided fine needle aspirations for molecular ...](#)

<https://onlinelibrary.wiley.com/doi/10.1111/j.1759-7714.2012.00116.x>

Jan 30, 2012 · Recent developments have shown that transesophageal ultrasound guided fine needle aspiration (EUS-FNA) and endobronchial ultrasound guided transbronchial fine needle aspiration (EBUS-