

9-25-2013

Endobronchial Ultrasound Bronchoscopy through Tracheostomy Tube to Support a Case Report

Ali Saeed

Jonathan Eldredge

Follow this and additional works at: https://digitalrepository.unm.edu/hsc_ctsc_trainee_papers

Recommended Citation

Saeed, Ali and Jonathan Eldredge. "Endobronchial Ultrasound Bronchoscopy through Tracheostomy Tube to Support a Case Report." (2013). https://digitalrepository.unm.edu/hsc_ctsc_trainee_papers/5

This Article is brought to you for free and open access by the Health Sciences Research Centers at UNM Digital Repository. It has been accepted for inclusion in Clinical and Translational Science Center Trainee Scholarly Output by an authorized administrator of UNM Digital Repository. For more information, please contact disc@unm.edu.

Search Strategies: Endobronchial Ultrasound Bronchoscopy through Tracheostomy Tube to Support a Case Report

Ali Imran Saeed, M.D. and Jonathan D. Eldredge, Ph.D.

Purpose:

To search in the PubMed and Web of Science databases to identify similar reports and confirm the hypothesis that we have a unique report.

PubMed:

MeSH term: To start the search in PubMed, MeSH terms were identified by reviewing different articles.

On September 6th 2013 the following MeSH terms were selected and combined in PubMed with OR:

- Bronchoscopy/instrumentation
- Ultrasonography (includes Endoscopic Ultrasound-Guided Fine Needle Aspiration)
- Biopsy, Fine-Needle

Next, the following MeSH terms were combined with OR:

- Tracheostomy
- Tracheotomy

The two large retrievals from above were combined with AND: this resulted in 72 references to peer reviewed articles. Only two references seemed initially relevant, but turned out to be unrelated. The reference to an article by Murgu S, et al. describes an endobronchial ultrasound finding of tracheomalacia and the second reference to an article by Hatfield A, et al. describes the utility of neck ultrasound before performing tracheostomy.

To rule out the possibility that any references that were not captured by the MeSH terms existed, a second search on the same day using the text word search strategy: endobronch*[tw] AND ultraso*[tw] using the human study filter produced 691 references. Of these only one article appeared relevant to the search topic. Morócz E, et al. describe the utility of endobronchial ultrasound bronchoscope to identify ultrasound characteristics of tracheal cartilage to guide selection of medical vs. surgical management.

Endobronchial ultrasound (EBUS) is not a MeSH term. A third search strategy included combining "Tracheostomy"[Mesh] AND EBUS [tw]. This search did not find any references to a relevant article.

A fourth comprehensive search strategy using EBUS[tw] AND tracheostomy[tw] also did not reveal any references to a pertinent article.

Web of Science:

Web of Science with the “All Data Base” search option was used to identify additional pertinent references. This search strategy revealed four references, but no reference pertinent to the current search. The search strategy consisted of the following:

Topic=(endobronch*) AND Topic=(ultraso*) AND Topic=(tracheostom*)
Timespan=All years Search language=English

References:

- 1- Murgu S, Kurimoto N, Colt H. Endobronchial ultrasound morphology of expiratory central airway collapse. *Respirology*. 2008 Mar;13(2):315-9. doi: 10.1111/j.1440-1843.2007.01216.x. PubMed PMID: 18339038.
- 2- Hatfield A, Bodenham A. Portable ultrasonic scanning of the anterior neck before percutaneous dilatational tracheostomy. *Anaesthesia*. 1999 Jul;54(7):660-3. PubMed PMID: 10417458.
- 3- Morócz E, Strausz J. [Endobronchial ultrasonography in postintubation tracheal stenosis]. *Orv Hetil*. 2004 Jul 18;145(29):1507-10. Hungarian. PubMed PMID: 15453021.