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Unusual bronchoscopic value in percutaneous dilatational tracheostomy: A case report

Omar AS *et al.* Bronchoscopic guided percutaneous tracheostomy

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Abstract

BACKGROUND

The usage of bronchoscopy during percutaneous dilatational tracheostomy remains under debate. The proponents of bronchoscopy advocating safety of the procedure, whereas the critics raised the concern about the cost, the possible delay in the procedure, and waiting for the device.

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Bronchoscopy in Percutaneous Dilational Tracheostomy

<https://jamanetwork.com/journals/jamaotolaryngology/fullarticle/2478317> ▾



Feb 01, 2016 · **Percutaneous dilational tracheostomy** (PDT) is a common, minimally invasive procedure to facilitate **tracheostomy** placement at the bedside or in the operative theater. This technique represents an alternative to traditional open...

Cited by: 7

Author: Shekhar K. Gadkaree, Diane Sch...

Publish Year: 2016

Percutaneous Dilatational Tracheostomy

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3510276>

Mar 31, 2012 · However, during the past 20 years, the **use of percutaneous dilatational tracheostomy** has been **increased** and shown to be a feasible and safe procedure in **critically ill patients**.

Cited by: 3

Author: Young-Jae Cho

Publish Year: 2012

Death after percutaneous dilatational tracheostomy: a ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4056379>

Oct 29, 2013 · **Percutaneous dilational tracheostomy**: report of 141 cases. Ann Thorac Surg. 1994; 17:862-867. doi: 10.1016/0003-4975(94)90191-0. Cobean R. Personal communication. Byhahn C. Personal communication. Hutchinson RC, Mitchell RD. Life-threatening complications from **percutaneous dilational tracheostomy**.

Cited by: 134

Author: Marcel Simon, Maria Metschke, Stepha...

Publish Year: 2013

Fiber optic bronchoscopy-assisted percutaneous ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4489779>

Percutaneous tracheostomy using the single-step **dilation technique** with **fiber optic bronchoscopy** assistance seems to be effective and safe in critically ill patients under mechanical



Percutaneous tracheostomy: a guide wire complication | BJA ...

<https://academic.oup.com/bja/article/92/6/891/281560>

Jun 01, 2004 · Abstract We report an unusual complication of percutaneous dilatational tracheostomy, in which the guide wire became lodged in the bronchial tree. The assistance of an expert bronchoscopist resulted in successful removal of a fractured J wire with no adverse sequelae for the patient.

Cited by: 1 Author: D.K. Phukan, J. Andrzejowski
Publish Year: 2004

Mortality from percutaneous dilatational tracheostomy. A ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2044.2005.04137.x>

Fatal haemorrhage is a rare complication of percutaneous tracheostomy (0.25% in this series), but is probably under-reported. While bronchoscopy is now used routinely during percutaneous tracheostomy insertion in most units, we speculate that ultrasound examination of the neck is more likely to identify major vascular structures at risk.

Cited by: 75 Author: B. McCormick, A. R. Manara
Publish Year: 2005

Open Tracheostomy after Aborted Percutaneous Approach due ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3730139>

Jul 17, 2013 · The technique and equipment of PCT have significantly evolved since the first description of the percutaneous dilatational report described by Ciaglia et al. . Bronchoscopic guidance with a fiberoptic endoscope during PCT allows direct visualization for tracheal tube positioning placement and control of the entire PCT [4–6].

Author: John Schweiger, Collin Sprenger, Devan... Publish Year: 2013

[PDF] Immediate Massive Subcutaneous Emphysema: A Rare ...

www.scholarsmepub.com/wp-content/uploads/2017/03/SJMPS-32107-111.pdf

Case Report Immediate Massive Subcutaneous Emphysema: A Rare Complication of Percutaneous Dilatational Tracheostomy: A Case Report Mohammed Ageel Ahmed1, Bander Mohammed Gohal2, ... intraoperative bronchoscopic guidance [30,31]. CASE DESCRIPTION We present a ...

Fatal air embolism as complication of percutaneous ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4940884>

Case series of fatal complications directly related to percutaneous dilatational tracheostomy report damage of large arteries, uncontrollable bleeding or airway loss. A significant air embolization after surgical tracheostomy was reported earlier [8] but did not reach significant levels in a meta-analysis including over 113.000 procedures [6].

Cited by: 7 Author: Achim Lothar, Tobias Wengenmayer, Christ...
Publish Year: 2016

Percutaneous tracheostomy with the Blue Rhino™ technique ...

<https://onlinelibrary.wiley.com/doi/10.1046/j.1365-2044.2002.02834.x>

Summary We assessed the peri-operative, early and late complications in 100 percutaneous tracheostomies performed with the Blue Rhino™ kit. The success rate was 98%. Peri-operative complications occu...

Tracheo-innominate artery fistula after percutaneous ...

<https://www.sciencedirect.com/science/article/pii/S0007091217352753>

Jan 01, 2006 · Tracheo-innominate artery fistula (TIF) is an uncommon yet life threatening complication after a tracheostomy. Rates of 0.1–1% after surgical tracheostomy have been reported, with a peak incidence at 7–14 days post procedure. It is usually fatal unless treatment is instituted immediately. Initial case reports of TIF resulted from surgically performed tracheostomies.

[PDF] BILATERAL PNEUMOTHORAX AS A COMPLICATION OF ...

<https://hrcak.srce.hr/file/228551>

though in the literature there are several case reports, the occurrence of subcutaneous emphysema and bi-lateral pneumothorax is extremely rare^{4,5}. We report a case of bilateral pneumothorax and subcutaneous emphysema due to tracheostomy. Case Report A 70-year-old woman (61 kg, 168 cm) with past medical history of advanced Alzheimer disease and

Conservative management of trachea-to-innominate artery ...

<https://bmcanesthesiol.biomedcentral.com/articles/10.1186/s12871-019-0893-5>

Dec 10, 2019 · Tracheostomy is a standard procedure in critically ill patients requiring mechanical ventilation or airway protection for extended periods. The main cause of death is haemorrhage, most commonly owing to a trachea-to-innominate artery fistula, usually requiring surgical treatment. Here we report the case of an 83-yr-old woman with a subarachnoid haemorrhage, who incurred a trachea-to ...

Death after percutaneous dilatational tracheostomy: a ...

<https://link.springer.com/article/10.1186/cc13085>

Oct 29, 2013 · Since the introduction and widespread acceptance of percutaneous techniques in the intensive care unit (ICU) setting, the number of critically ill patients undergoing tracheostomy has increased in recent years [1, 2]. Given a predicted increase in the numbers of mechanically ventilated patients, a further increase in the number of tracheostomy procedures in the ICU is to be expected [1, ...



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[Open Tracheostomy after Aborted Percutaneous Approach due ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3730139>

Jul 17, 2013 · The technique and equipment of PCT have significantly evolved since the first description of the **percutaneous dilatational report** described by Ciaglia et al. . **Bronchoscopic** guidance with a fiberoptic endoscope during PCT allows direct visualization for tracheal tube positioning placement and control of the entire PCT [4–6].

Author: John Schweiger, Collin Sprenker, Dev... **Publish Year:** 2013

[Case Report - An unusual complication of percutaneous ...](#)

https://www.researchgate.net/publication/27790943_Case_Report_-_An_unusual...

Because most studies of **percutaneous tracheostomy** were published after 1985, surgical **tracheostomy** studies were divided into two periods: 1960 to 1984 and 1985 to 1996.

[Fiberoptic bronchoscopic guidance in percutaneous ...](#)

<https://www.sciencedirect.com/science/article/pii/S0422763813001453>

Jul 01, 2013 · Objective. Blind **percutaneous** dilational tracheotomy (PDT) holds a lot of peri-operative complications. A lot of assisting tools have long been used to facilitate guidance during PDT, e.g., laryngeal mask airway (LMA), ultrasound (US) imaging of the neck, light wand for trans-illumination of the soft tissues of the neck, and flexible fiberoptic bronchoscopy.

Cited by: 1 **Author:** Essam G. Hassanin, Anwar A. Elgnady, ...

Publish Year: 2013

[Mortality from percutaneous dilatational tracheostomy. A ...](#)

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2044.2005.04137.x>

Summary We **report** three deaths following **percutaneous dilatational tracheostomy** in a series of 1187 procedures undertaken in a single intensive care unit over a 13-year period. All deaths were due ...

Cited by: 75 **Author:** B. McCormick, A. R. Manara

Publish Year: 2005

[\[PDF\] Venous air embolus during percutaneous dilatational ...](#)

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