EuroSciCon
JOINT EVENT

March 18-19, 2020
London, UK

8th Edition of International Conference & Exhibition on
Pain Management, Physiotherapy & Sports Medicine
&
9th Edition of International Conference on
Internal Medicine & Patient Care

Masoud Kashoub et al., J Emerg Intern Med 2020, Volume 04

Pigtail drained pleural effusion among Omani patients:A preliminary report.

Masoud Kashoub[2], Jayakrishnan B[1], Saif Al Mubaihsi[1], Rashid Al Sukaiti[1], Usama Al Amri[1], Yasir Al Lawati[3],Alkhatab Al Saqri[3]

[1]Sultan Qaboos University Hospital, Oman
[2]Oman Medical Speciality Board, Oman
[3]Medical College and Health Science, Oman

Background: Pleural effusion drainage via a small-bore pigtail catheter is a less invasive method for draining pleural effusions in comparison with chest tube thoracostomy. Therefore, this study aims to evaluate the efficiency, complications and success rate of pleural effusion drainage using pigtail catheter under ultrasound guidance. Methods: Retrospectively, we evaluated 141 cases of pleural effusion that underwent ultrasound guided pigtail catheter (8.5–14 French) insertion. Demographic background, clinical background and peri-drainage events were reviewed. SPSS was used for data analysis.

Results: The average pleural fluid draining duration was 4-5 days. Complications included pain (51 cases), catheter blockage (one patient), and pneumothorax (4 cases). Overall success rate was 90.1% .Conclusion: Pigtail catheter insertion is an efficient and safe method of draining pleural fluid especially under ultrasound guidance.

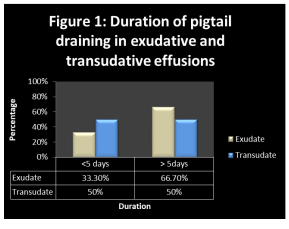

Figure 1: Duration of pigtail drainage in patients with both exudative and transudative effusion.

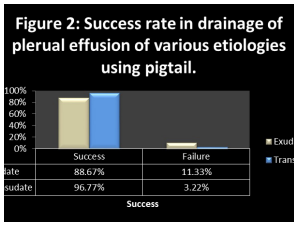

Figure 2: Success rate of pigtail drainage in cases of pleural effusion of various etiologies.

Biography

Masoud Kashoub has comeletd MD from College of Medicine and Health Science in Sultan Qaboos University in Sultanate of Oman. Currently first year internal medicine resident in Oman Medical Speciality Board..