

Use of Intraoperative Frozen Section During Mediastinoscopy, Should We Change Our Practice? - Audit

Ghaith Qsous*, Anthony Chambers, Mark McCann and Malcolm Will

Cardiothoracic Surgery Department, Royal Infirmary Hospital Edinburgh, Scotland

*Corresponding Author: Ghaith Qsous, Cardiothoracic Surgery Department, Royal Infirmary Hospital Edinburgh, Scotland.

Received: October 28, 2022

Published: January 09, 2023

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Aim

Evaluate and assess our current practice of two-staged procedures (mediastinoscopy followed by permanent pathology then definitive surgery) and compare to the suggested approach of one staged procedure (intraoperative frozen section and mediastinoscopy followed by definitive surgery).

Primary endpoint

Evaluate the waiting time between mediastinoscopy and definitive procedure in the two-stage approach.

Secondary endpoints

Does the intraoperative frozen section sensitive and specific in comparison with the permanent pathology.

Methods

We included 18 patients with primary lung cancer who underwent two-staged procedures (staging mediastinoscopy followed by definitive surgery) from March 2019 to November 2021. And one patient who underwent a single-stage procedure.

Results

In the 18 patients who had the two-staged procedure the median waiting time between the first procedure (staging mediastinoscopy) and second procedure (curative lung resection) was 25.4 days (7-62 days).

While in the patient who underwent a one-stage procedure (mediastinoscopy with intraoperative frozen section followed

by definitive surgery), the frozen section results were similar to permanent pathology. The patient was discharged after 5 days without complications.

Conclusion

The single-stage approach is efficient and can save the second admission to the hospital and save the patient from second anaesthesia. Accordingly, that decreases the total length of stay and it is cost-effective for the hospital [1,2].

Bibliography

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