

5.11 Are Chest X-Rays Being Reviewed At An Appropriate Time Following Chest Drain Removal?- A Single Irish Centre Audit And Literature Review

Farah Kazi¹ , Wael Shabo¹ , Mohamad Salama¹ , Haresh Perthiani¹ , Sherif El Masry¹ , Eleanor Carton¹

¹*Our Lady of Lourdes Hospital,*

Insertion of chest drains is a commonly performed procedure for pneumothorax, haemothorax, pleural effusion and empyema. Daily chest x-rays (CXR) to confirm position, interval change and decide on removal are advised. Post-removal chest x-rays should be performed and reviewed in a timely manner to ensure early detection of complications or recurrence. Current care bundles cover documentation for insertion and management of drain but do not specifically include removal. Our aims are to assess time interval between a chest x-ray post chest drain removal being filmed and being reviewed at our institution and assess quality of documentation of chest drain care. This is a retrospective study of chest drains, between March 2020 and December 2021.

Category	Result
Total No. (n)	91
Duration of drain	4.2 days (1-24)
Average time for CXRs to happen	208 mins (1-1314)
Average time to review CXRs	108 mins (1-1077)
Not reviewed >2 weeks	4

Table 1 (5.11): Showing results obtained

20 randomly selected charts – documentation reviewed. Chest x-rays are essential in assessing resolution of underlying condition. post- removal x-rays must be reviewed by a clinician in a timely manner to detect complications early. We recommend utilization of the chest drain form which includes post removal management as part of chest drain care bundle.

Conflict of interest : None to declare.