

Unplanned Overnight Hospital Stay in Day-Case Arthroscopic Shoulder Surgery

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Introduction:

We aim to perform all arthroscopic shoulder surgery as day cases. This is routinely done under GA with interscalene block. The causes of unplanned overnight hospital stay are analysed.

Materials and Methods:

- Retrospective review of arthroscopic shoulder surgery performed by the senior author in TGH over a period of two years (2007-2008).
- 242 cases; 20 excluded (planned admissions)
- Statistics: Student t-test & Fisher's exact test.

Results:

- 222 cases; 40 (18%) unplanned admissions
- Age of patients admitted overnight was significantly higher than those who went home (64.2 ± 14.1 vs 57.2 ± 14.4 ; $p = 0.006$).
- 10 out of 40 unplanned admissions (25%) did not have an interscalene block.
[6 (35.3%) of the 17 pain/unrecorded admissions]

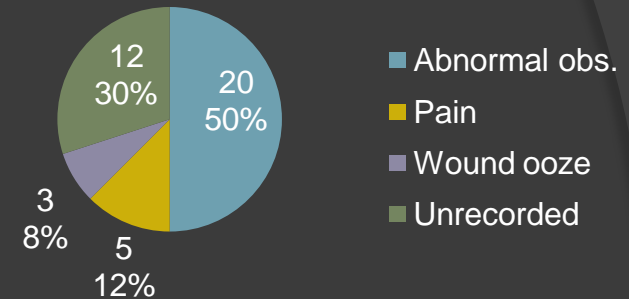


Figure 1: Causes of Unplanned Admissions (n=40)

- Less experienced anaesthetists (10 cases or less) had a higher rate of unplanned admissions (24.4% vs 16.6%, 1.47 risk ratio).
- Risk was higher when admissions due to abnormal obs. were excluded (12.2% vs 6.6%, 1.84 risk ratio).

Conclusion:

Higher patient age and less experienced anaesthetists may increase the risk of unplanned overnight stay in day-case arthroscopic shoulder surgery.