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RESEARCH ARTICLE

PROSPECTIVE, OBSERVATIONAL STUDY OF RECALL OF DISCOMFORT ON TRACHEAL EXTUBATION AFTER GENERAL ANAESTHESIA

Syeda Ayesha Fatima and Gajendra Singh
Mahadevappa Rampure Medical College, Kalaburagi.

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Abstract

Introduction: Intubation & extubation are important steps in GA. This study aims 1. Frequency of recall of discomfort on extubation. 2. Patients first recollections of time place, person on emerging from GA

Method: Patients eligible for inclusion were aged ≥ 20 yr underwent GA with tracheal intubation and extubated in OR. Anaesthetic induction, maintenance, emergence and tracheal extubation were performed. At induction patients were given analgesia (fentanyl), Anesthesia (propofol), and neuromuscular blocking agent (rocuronium). Maintenance of anaesthesia was with inhalational (sevoflurane). Epidural anaesthesia was performed in addition with GA for abdominal/thoracic surgery. During the post-anaesthesia rounds on POD1, patients were asked 1. If they had any memories regarding extubation 2. What was their first recollection on emerging from general anaesthesia. 3. Answers were given spontaneously without prompting, if not clear the answer was recorded as unclear.

Results: Recall of discomfort during extubation was uncommon. Only 3.1% of patients recalled the extubation process. The first orientation to place was most commonly in transit to a ward.

Conclusion: From this study, Recall of discomfort during extubation is rare, most patients may not retain any memory of extubation process. This information is used to reassure patients & guide extubation practices by anaesthetists.

References: 1. Inoue S, Abe R, Tanaka Y, Kawaguchi M. Anesthesia management by residents does not alter the incidence of recall of tracheal extubation: a teaching hospital-based propensity score analysis. *Braz J Anesthesiol* 2017; 67: 251e7. 2. Popat M, Mitchell V, Dravid R, Patel A, Swampillai C, Higgs A. Difficult Airway Society guidelines for the management of tracheal extubation. *Anaesthesia*. 2012; 67: 318-340 3. Takahashi M, Nakahashi K, Karashima Y, Kitaguchi K, Furuya H. The memory of tracheal extubation during emergence from general anesthesia. *Masui*. 2001; 50: 613-618.

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Corresponding Author:- Syeda Ayesha Fatima

Address:- Mahadevappa Rampure Medical College, Kalaburagi.

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