

편도 및 아데노이드 절제술에서 Critical Pathway의 적용

변성완 · 윤선옥 · 장주애 · 이재연 · 신혜정 · 홍순관

Implementation of a Critical Pathway for Tonsillectomy and Adenoidectomy

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– ABSTRACT –

Background and Objectives : The current health care climate demands the provision of patient care in a cost-effective manner. Critical pathway implementation has the potential to standardize treatment and improve the cost-effectiveness. The aim of this study was to evaluate whether implementation of a critical pathway for tonsillectomy and adenoidectomy would affect the time of charting and patient care and the satisfaction of patients. **Materials and Methods :** One hundred seventy one patients were included in the study. The critical pathway was implemented for 146 patients while the other 25 patients were treated without implementation of the pathway. **Results :** The time of charting (70%) and working (45%) was reduced after implementation of critical pathway. Patient satisfaction was increased in both kindness of health care team (12%) and patient care itself (12%). The variation of length of hospital stay was 20.5% (30/146). **Conclusion :** Implementation of a critical pathway has played a significant role in decreasing the time of charting and patients care and increasing patient satisfaction. Thus critical pathway implementation is an effective method to save the time of medical care team and to increase patient satisfaction. (*J Clinical Otolaryngol* 2000;11:256-260)

KEY WORDS : Critical pathway · Tonsillectomy · Adenoidectomy.

서 론

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 critical pathway
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Critical Pathway
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 가 가 146 12.1(3
 .¹⁻⁶⁾ 52) 1.4 : 1 .
 가 (DRG, Diagnosis related (1) (vital sign)
 group) flow chart, (2) , (3) ,
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Critical Pathway 5 Page
Tonsillectomy, Adenoidectomy, VT insertion

등록번호
성명
주민등록번호
성별
연령

< Variance Sheet >

항목 월 일

진료실
시간 V/S BP
6 AM
11 AM
8 PM

식사
관동
진사

투약
S F RC SC 비고
S F RC SC 비고
S F RC SC 비고
S F RC SC 비고

추가 Order

처치

담담의사 서명 담당간호사 D E N

의사기록
간호기록
의사기록
간호기록
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처방일력

교육/의사
교육/간호사
시간 간호기록 서명

Fig. 2. Variation sheet of critical pathway.

critical pathway
가
10 가
결과
Critical pathway (,)
가 45% ,
30% 70%가
(Table 1).
critical pathway
83%, 95% ,
85%, 가

Table 1. Satisfaction of patients (n = 50)

	Score* before implementation of critical pathway (n = 25)	Score after implementation of critical pathway (n = 25)	p value in Mann-Whitney U test
The degree of satisfaction at procedure	8.28	9.48	p < 0.01
The degree of kindness of medical team	8.48	9.71	p < 0.01

* : Maximum score = 10

Table 2. Satisfaction of medical team (n = 10)

	Working time	Charting time
Doctors (n = 5)	5.6*	2.6
Nurses (n = 5)	5.4	3.4
Total (n = 10)	5.5	3.0

* : Numbers are relative amounts of working time and charting time assessed subjectively (reference : amount before implementation of critical pathway = 10).

Table 3. The variation of critical pathway implementation in present study (n = 146)

Hospital stay	Cause	Cases (%)
3 days (2 nights)	Request by patient	20 (13.7%)
5 days (4 nights)	Pain	5 (3.4%)
	Fever	3 (2.1%)
	Postoperative bleeding	1 (0.7%)
6 days (5 nights)	Pain	1 (0.7%)
Total		30 (20.5%)

97% critical pathway (Mann - Whitney U test, p < 0.01) 가 가 (Table 2).
Critical pathway 3 4
146
30 (20.5%)
2 3 가 가 20 (13.7%)
, , ,
가 10 (6.4%) (Table 3). Crit - ical pathway
가

