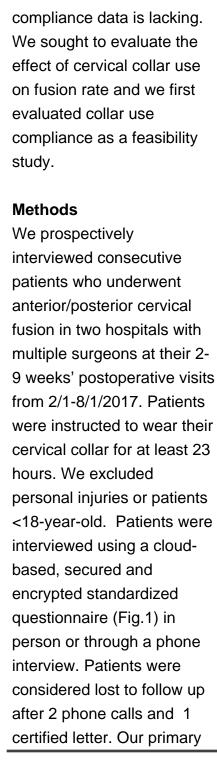


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Table 1. Patient Characteristics

[Institution]



Results

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with external cervical

orthosis is a common

controversial and

practice following cervical

Introduction

Postoperative immobilization Two hundred thirty-eight (86.5%) out of 275 consecutive cervical fusion patients were interviewed. fusions. Its effectiveness is There is no difference between compliant vs. noncompliant patients [Table 1]. One hundred sixty-one (67.7%) patients selfreported collar use compliance with 50.4% wearing for > 23h/day (Table 2 and Fig. 2). Both compliant and noncompliant patients found collar use uncomfortable (Median 4, R=1-5) (Table 3). Sensitivity analysis showed a compliance rate of 45-72%.

Conclusions

About fifty percent of our patients were non-compliant and the median comfort rate was uncomfortable. Our compliance rate demonstrated that collar use might be of questionable effectiveness in achieving fusion. Further investigation is warranted.

	e 1: Patient Characteris	tics
Male (%)	40.99	Non-compliant (n=7 48.05
Age (mean ± SD) ACDF (%)	57.58 ± 12.82 66.46	58.43 ± 10.88 64.94
Sx-interview interval (m) ≥3 interspace (%)	2.15 42.24	2.36 36.36
All P values > 0.05		
Table 1. Pa	atient Char	acteristics
Table 2. Pa	tient Com	pliance b
	ours of Us	
Table 2: Patient	Compliance by	Hours of Use
N=238 Time worn (h)		%
23-24	120	50.42
19-22	23	9.66
15-18	10	4.20
11-14 7-10	5	2.10
3-6	3	1.26
0-2	76	31.93
Table 2. Pa	atient Com	oliance by
	ours of Use	
Table 3. Pa	atient Con	nfort with
	Collar Use	
	atient Comfort with Co Compliant (n=115)	
Median Range	4 1-5	4 1-5
	Patient Con	nfort with
(Collar Use	
Learning	Objectiv	es
By the con	clusion o	f this
session, pa	articipant	s should
be able to:	1) under	stand th
compliance	e rates of	externa
•		
compliance cervical or patient-rep	thosis us	e, 2)
cervical or	thosis use orted cor	e, 2) mfort
cervical or patient-rep	thosis use orted cor	e, 2) mfort

References

1.George, K. J. & Fehlings, M. G. Is routine postoperative cervical bracing after instrumentation necessary? World Neurosurg. 79, 273-274 (2013).

2.Goel, A. & Kothari, M. External cervical orthosis (ECO): to have or not to have. World Neurosurg. 79,

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