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**One-year rotational relapse frequency following conventional circumferential supracrestal fiberotomy**

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### Abstract

**BACKGROUND** Relapse following orthodontic treatment has been a long-standing problem that can occur due to several factors. It was suggested that surgical supracrestal fibrotomy (CSF) is an effective treatment measure to reduce this relapse however, no previous studies had reported the amount of relapse occurs afterward.

**AIM** To assess the frequency of rotational relapse on anterior teeth one year following CSF.

**METHODS** Eleven adults (6 male and 5 female) with a mean age of 23 years (SD= 5.2), which had a total of 90 rotated anterior teeth, were included in this study. CSF was

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In 1970 Edwards introduced **circumferential supracrestal fiberotomy** (CSF) as a procedure to transect supraalveolar (gingival and transseptal) fibers for reducing **relapse** after **rotational** movements. . Other animal and clinical studies also showed that CSF is an effective procedure for reduction of **relapse** , , , , .

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Stability of rotated teeth is a concern in orthodontic treatment. A significant cause of **relapse** is thought to be the gingival and transseptal fibers of the periodontium, which are stretched and twisted as the tooth is rotated.<sup>1-3</sup> To relieve the rotated tooth from forces exerted by the stretched fibers, **circumferential supracrestal fiberotomy** (CSF) was introduced.<sup>4,5</sup> In simple CSF using a ...

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Author: W D Rye    Publish Year: 1983

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Cited by: 6

Author: Ji-Won Lee, Ki-Ho Park, Jong-Hyuk Chun...

Publish Year: 2011