

# Intervertebral disc annuloplasty

The term [intervertebral disc](#) annuloplasty indicates any procedure aimed at repairing the [annulus](#) of a bulging [intervertebral disc](#) before it herniates.

A single-center study included 80 patients and followed them for 6 months. Transforaminal laser [annuloplasty](#) (TFLA, 37 patients) or intradiscal radiofrequency annuloplasty (IDRA, 43 patients) was performed. The main outcomes included [pain scales](#), determined by the [numeric rating scale](#) (NRS), and [Oswestry disability index](#) (ODI), at pre-treatment and at post-treatment months 1 and 6.

The patients were grouped according to procedure. In all procedures, NRS and ODI scores were significantly decreased over time. Mean post-treatment pain scores at months 1 and 6 were significantly lower ( $P < 0.01$ ) in both groups, and between-group differences were not significant. The ODI score was also significantly decreased compared with baseline. Among patients undergoing TFLA, 70.3% ( $n = 26$ ) reported pain relief (NRS scores  $< 50\%$  of baseline) at post-treatment 6 months, vs. 58.1% ( $n = 25$ ) of those undergoing IDRA. There were no statistically significant differences between the groups in ODI reduction of  $> 40\%$ .

The results indicate that annuloplasty is a reasonable treatment option for carefully selected patients with lower back and radicular pain of discogenic origin, and TFLA might be superior to IDRA in patients with discogenic low back pain <sup>1)</sup>.

<sup>1)</sup>

Park CH, Lee KK, Lee SH. Efficacy of transforaminal laser annuloplasty versus intradiscal radiofrequency annuloplasty for discogenic low back pain. Korean J Pain. 2019 Apr 1;32(2):113-119. doi: 10.3344/kjp.2019.32.2.113. PubMed PMID: 31091510.

From:  
<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:  
[https://neurosurgerywiki.com/wiki/doku.php?id=intervertebral\\_disc\\_annuloplasty](https://neurosurgerywiki.com/wiki/doku.php?id=intervertebral_disc_annuloplasty)

Last update: **2024/06/07 02:56**

