

The Effect of Midline Lateralization Thyroplasty with Subglottic Compression on Spasmodic Dysphonia

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Objectives/Background : The physiological mechanism of midline lateralization thyroplasty on spasmodic dysphonia could be suggested as a reduced tight glottic closure or an imperfect closure of the glottis. However, Some patients were not satisfied after these thyroplasty, even though they showed the ideal shapes of glottis as suggested by Dr. N. Isshiki.

Materials and Methods : We tried to compress the anterior subglottis with silastic slim during the midline lateralization thyroplasty as suggested by Dr. N. Isshiki, and experienced three patients showing good voice results.

Results : This modified thyroplasty for patients with SD has been successful in relieving vocal strain in some patients.

Conclusion : We cannot understand the exact mechanism of the effect of subglottic compression on SD, but could suggest that the subglottic compression results in more relieving the vocal fold tension effectively after midline lateralization thyroplasty.