

## Two Interesting Cases Treated Using New Phonosurgical Technique

*Tatsujiro Ushijima M.D.*

Chief Director of ENT Clinic

Vice President

Tokyo Teishin Hospital, Japan

In this presentation, two interesting cases of voice disorder were reported. Both cases were operated on successfully by laryngomicrosurgery using newly invented phonosurgical technique.

Case 1: 69 y-o female.

She was a heavy smoker of Brinkman index 1,250, complaining of severe hoarseness due to typical polypoid vocal cords. Ordinary incision-sucking-squeezing method was applied as the initial treatment. However, adhesion of the anterior third of the vocal folds was noticed during postoperative following up period and her voice quality was deteriorated. Then, the second operation was performed to resect the adhesion and to avoid re-adhesion. In order to avoid re-adhesion, a piece of conventional silicone tube instead of an expensive silicone stent was placed at the anterior commissure of the glottis as a stent.

VTR showed the detail.

Case 2: 38 y-o female.

She is an elementary school teacher. Since she had to cover all items including music and singing, she was obliged to abuse her voice every day. As the result, bilateral vocal cords polyp developed. In general for ideal vocal rehabilitation especially for professional voice user, the minimal damage of the mucous membrane of the vocal fold is desirable. Then, conventional incision by scissors was not adopted in order to avoid wide and deep defect of the membrane. Instead, minimized incision-sucking-squeezing technique was used. Postoperative stroboscopy revealed speedy recovery of the vocal fold vibration. VTR showed the detail.

Laryngomicrosurgery asks every phonosurgeon for more effort of 1) understanding of vocal fold vibration mechanism, 2) improvement of skill, and 3) seeking of new technique.