

성대마비 치료의 Controversy : 주입술과 갑상연골성형술

최 홍 식

Controversy in Managemt of Vocal Cord Palsy : Injection Laryngoplasty vs. Thyroplasty

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서 론

성대마비 치료의 controversy (4), (5) . 가
 , 가 () , 가
 가 .
 , CT scan(mediastinum),
 가 X- , ,
 (CT scan 가
 , RLN)
 ,
 가
 가 (idiopathic)
 가
 (Fig. 1).
 (traumatic)
 1) , 2) , 3) 가 controversy
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 1) 가 가? 가?
 2) 가? 가?

3) 가? 가? 가

4) 가? (reinnervation)

가? 3) (neurotmesis)

성대마비가 회복될 것인가? 아닌가?

(atrophy)

가 (proximal)

(distal) 가

가

(adductors) 가

(abductor) 가 가

(epineurium)

(synkinesis)

medial bulging 가

(lobectomy) 가

가 (Laryngeal EMG)

가 가

stretching injury 진단 직후 치료할 것인가? 기다려 볼 것인가?

가 가 (idiopathic)

6 9

1) (neurap - 6 9

raxia), 2) (axonotmesis), 3) (ne -

urotmesis) , 1) .

(nerve sheath) 가

가 . 2)

(axon) 가

(axoplasm) 가

(denerv -

ation potential) (Wa -

llerian degeneration)

6 9

, gelfoam fat injection 가

(glottal gap)

(mass) (tension) 가

(layered structure)

음성치료를 할 것인가? 수술적 치료를 할 것인가?

(red structure)

, 6 9

가 . 1)

(Nerve reinnervation procedures), 2)

(Injection laryngoplasty), 3)

(Medialization laryngoplasty)

(iatrogenic)

(median), (paramedian), (intermediate)

(adductor muscle, TA - muscle)

(synkinesis, misdirected reinnervation)

ansa cervicalis nerve - muscle pedicle reinnervation

가 가

(Injection laryngoplasty)

(teflon) 가

가

가

gap

(pushing approach)

(vocal process)

가

3mm

(arytenoid adduction)

1

가

수술적 치료로는 성대주입치료를 택할 것인가? 갑상연 골성형술 등의 외부적 수술법을 택할 것인가?

가

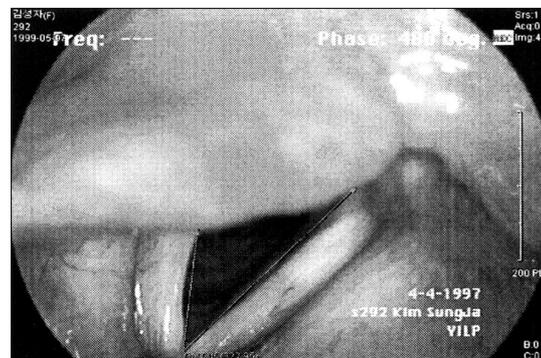


Fig. 1. 우측 되돌이후두신경 마비에 의한 성대마비.

gen)
(vine collagen)

(colla -
(Bo -

(hypersensitivity)

FDA

가

가

(Fig. 2).

가

(Fat injection)

가 가

liposuction

가

(fat ne -

crosis),

(fat embolism)

insulin

가

gelfoam

gelfoam

2 4

(Medialization laryngoplasty)

(membranous vocal fold)

1

(type I thyroplasty)

(arytenoid adduction) 가

1

Isshiki 가

4가

가

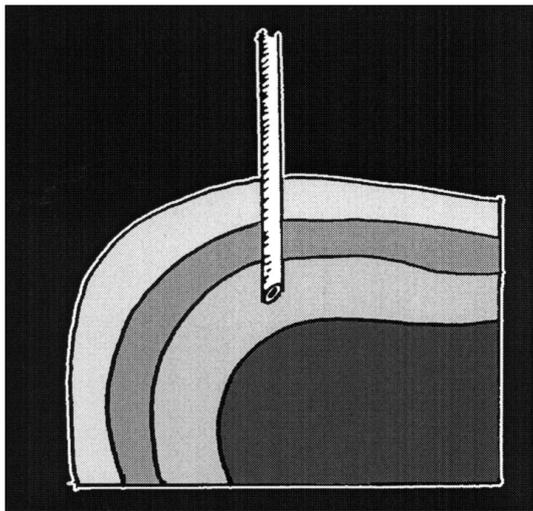


Fig. 2. 콜라젠 주입시에 성대인대(vocal ligament) 부위에 주입하는 모식도.

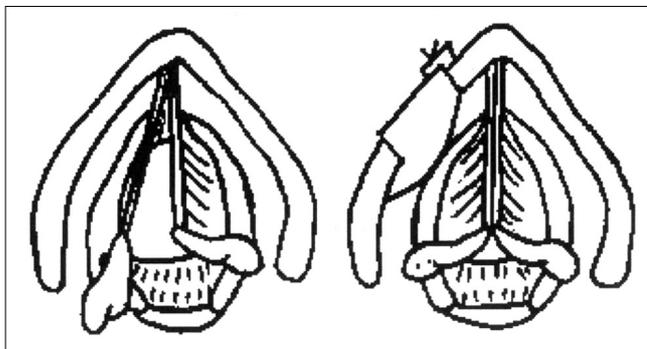


Fig. 3. 피열연골내전술과 제1형 갑상연골성형술을 동시에 시행한 모습.

가 . 가 , gelfoam
 가 , ()
 , build - up , 1
 가 (muscular pr -
 ocess) 1
 (LCA m.) (Fig. 3). , 가 ,
 (vocal process)

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