

상악동 근처 수술후 상악동의 구조변화

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The Changes of the Maxillary Sinus after Caldwell-Luc's Operation

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- ABSTRACT -

Background and Objectives : Caldwell-Luc's operation has been performed for more than 100 years to manage the maxillary disease. It is not uncommon to check CT scans after Caldwell-Luc's operation in case of recurrence. The objective of this study is to evaluate various changes of maxillary sinuses on postoperative CT scans after Caldwell-Luc's operation. **Materials and Method** : We evaluated CT scans of 51 maxillary sinuses after Caldwell-Luc's operations and classified them into 3 groups. The first group was partial opacification of antrum due to fibro-osseous proliferation. The second group was total opacification of antrum. The third group was total loss of antral lumen due to bony contraction. In addition to 3 groups, we evaluated the presence of compartmentalization and postoperative maxillary cyst. **Results** : The result was the first group in 14 (27.4%), the second group in 26 (51.0%), and the third group in 11 (21.6%). The incidence of compartmentalization was 23.5% (12 sinuses) and that of postoperative maxillary cyst was 11.8% (6 sinuses). **Conclusion** : It seems necessary to pay attention to various postoperative changes of maxillary sinuses and to make efforts to resolve the lesions. (*J Clinical Otolaryngol* 2000;11:68-72)

KEY WORDS : Caldwell-Luc's operation · Computed tomography.

| 서 | 론 | 가 | 가 |
|----------------------------|------------------------------------|------|-----------------|
| 1893 Scanes Spicer, | George Caldwell, 1894 Henri Luc | 가 | 가 ²⁾ |
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대상 및 방법

대 상

50세 여성 환자로, SOMATOM AR.T(SI-EMENS Co.) (Reid's base line) (axial view) (coronal view) 5.0 mm 1, 24, 27, 51

41.0, 13.9, 방 법

가, 3가, 1 (fibro-osseous proliferation) (opa-cification)

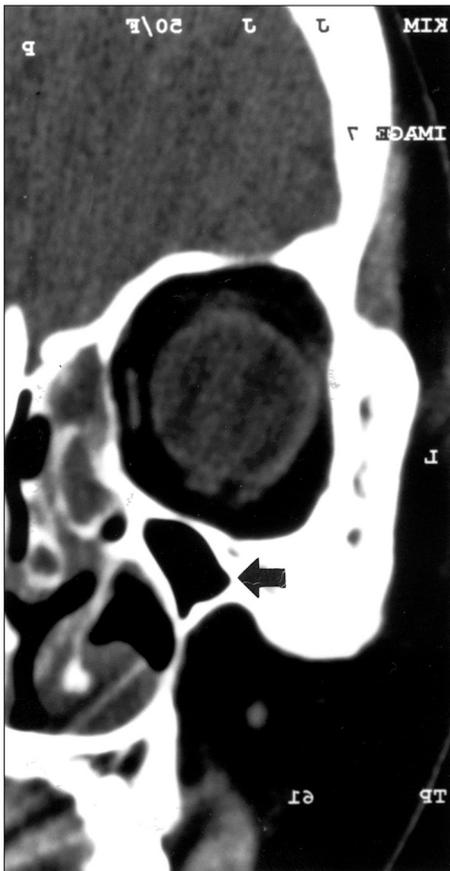


Fig. 1. An image of a 50 year-old female patient who underwent Caldwell-Luc's operation 10 years ago. Partial opacification of left maxillary sinus (arrow) is seen.

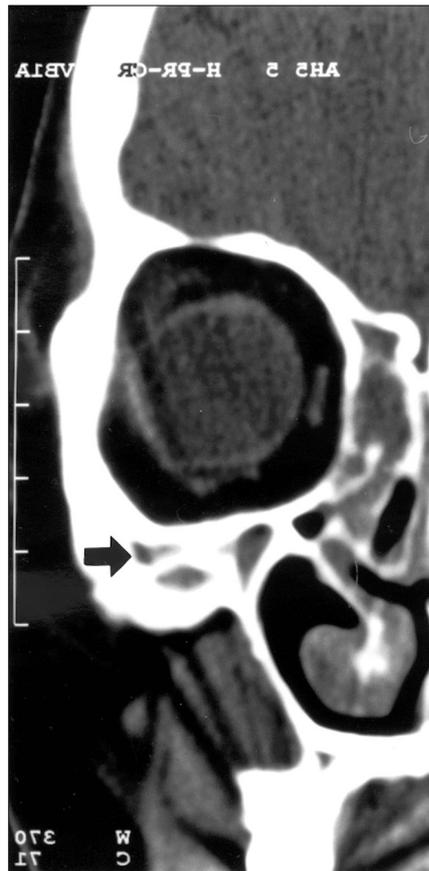


Fig. 2. An image of a 50 year-old female patient who underwent Caldwell-Luc's operation 10 years ago. Total opacification of right maxillary sinus (arrow) is seen.

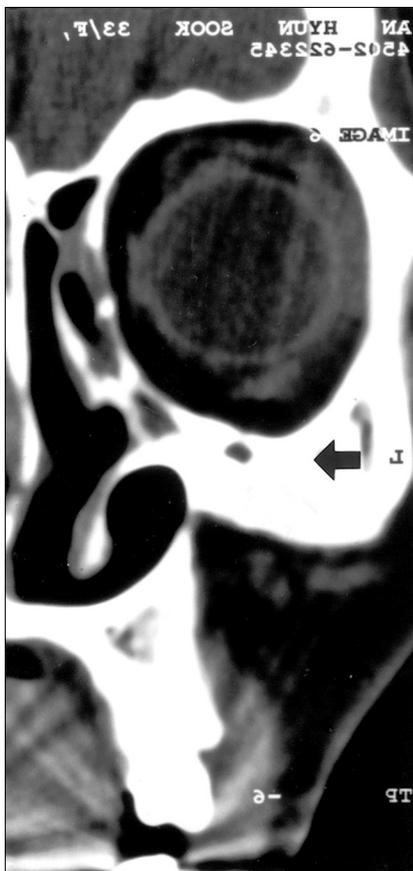


Fig. 3. An image of a 33 year-old female patient who underwent Caldwell-Luc's operation 12 years ago. Total loss of antral lumen of left maxillary sinus (arrow) is seen.

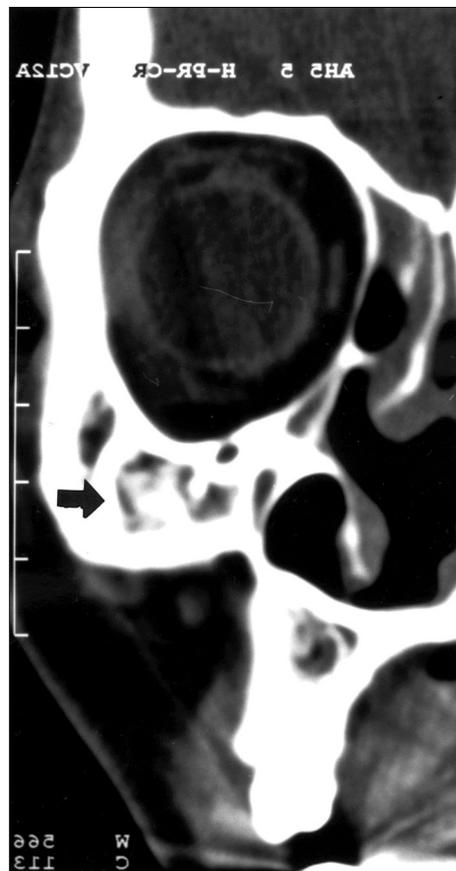


Fig. 4. An image of a 33 year-old female patient who underwent Caldwell-Luc's operation 12 years ago. Compartmentalization of right maxillary sinus (arrow) is seen.

가
 (Fig. 1), 2
 (Fig. 2), 3
 (Fig. 3).
 (compartmentalization)
 (Fig. 4)
 (postoperative maxillary
 cyst) 가 (Figs. 5 and 6).

결 과

3가 (Table 1).
 1 : (partial opacifica-

tion) 14 (27.4%).
 2 : (total opacifica-
 tion) 26 (51.0%).
 3 : 11
 (21.6%).
 (compartmentalization) 12
 (23.5%), (posto-
 perative maxillary cyst) 6 (11.
 8%)(Table 2).

고 찰

결 론

가 ,
 8)
 9)
 8)
 Katsantonis 8)
 100%, 88.2%
 11.8% ,
 1927 Kubo¹⁰⁾가
 10 20 가
 11)
 가
 (mucogingival fold)
 3)
 10)
 12) , Nagoshi¹³⁾ 가
 가
 14)
 14)
 15) 6% , 11.8%
 DnIE

중심 단어 :

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