

술후성 농성낭종에 합병된 뇌농양 1예

전북대학교 의과대학 이비인후-두경부외과학교실
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A Case of Brain Abscess Complicated by the Postoperative Pyocele of Frontoethmoid and Maxillary Sinuses

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—ABSTRACT—

A mucocele of the paranasal sinus is defined as an accumulation of mucus within a sinus due to obstruction of the sinus ostium secondary to inflammation, fibrosis, trauma, previous surgery, or a mass lesion. If left untreated, it can result in intracranial infection or secondary to mass effect, result in damage to the orbits and contents of the anterior cranial fossa. Intracranial complication of infected mucocele or sinusitis, although rare today, do still develop despite widespread use of antibiotics. These include meningitis, subdural empyema, intracerebral abscess, epidural abscess and rarely cavernous or superior sagittal sinus thrombosis. Despite recent advances in treatment and diagnostic imaging, intracranial extension is often not recognized early enough to prevent delays in treatment aimed at reducing morbidity and mortality. We describe a case of infected mucocele and sinusitis associated with silent brain abscess which was treated by endoscopic sinus surgery and massive intravenous antibiotics. (J Clinical Otolaryngol 2003;14:306-311)

KEY WORDS : Brain abscess · Sinusitis · Mucocele · Endoscopy.

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증례

47 가 20 , 18 , Caldwell - Luc 가 가 2 5 17,600/mm³, 90% 가 (Fig. 1). 2 (7)

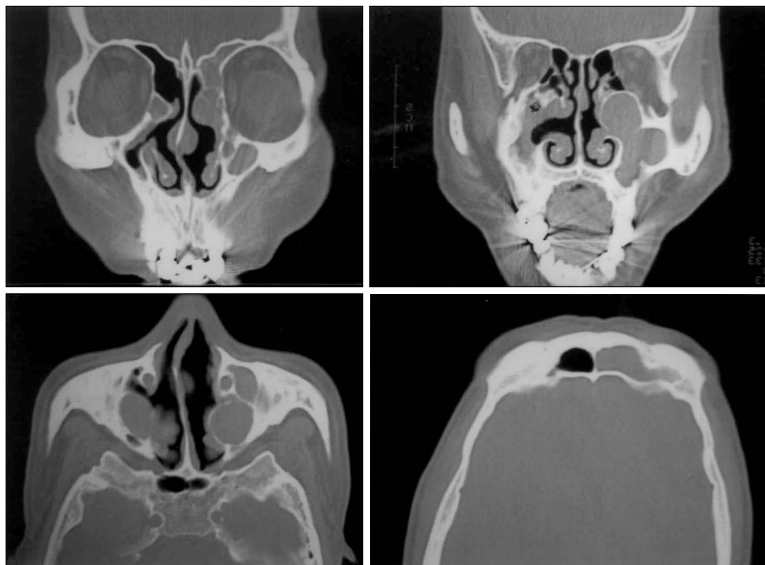


Fig. 1. Preoperative PNS CT scans shows postoperative mucocoele of left maxillary sinus and haziness on frontal and anterior ethmoid sinus of left side. Mucosal thickening and haziness of right maxillary sinus also noted.

(Fig. 2). 가 280/mm³(10%, 90%), 423.3 mg/dl 가 , 20 mg/dl



Fig. 2. Gadolinium enhanced T1-weighted MRI on postoperative 7th days shows low signal intensity of the necrotic central core surrounded by high signal intensity rim at the right temporoparietal area.

,
*Staphylococcus aureus*가 ,
ceftriaxone(4 g/day bid
) , vancomycin(1 g/day) , metronidazole(1.5 g/day
tid)

. 5 (10)

(Fig. 3).

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(Fig.

고 찰

, Bluestone

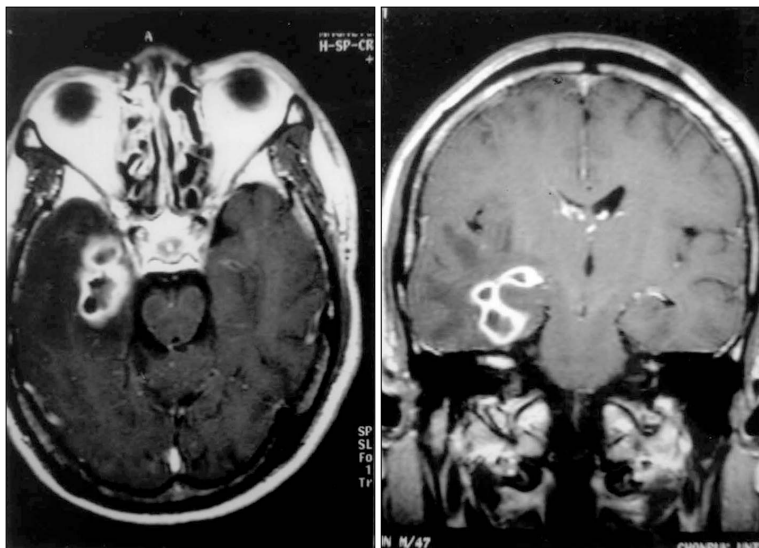


Fig. 3. Gadolinium enhanced T1-weighted MRI on postoperative 10th days shows multiple thin walled abscesses at the right temporal lobe.

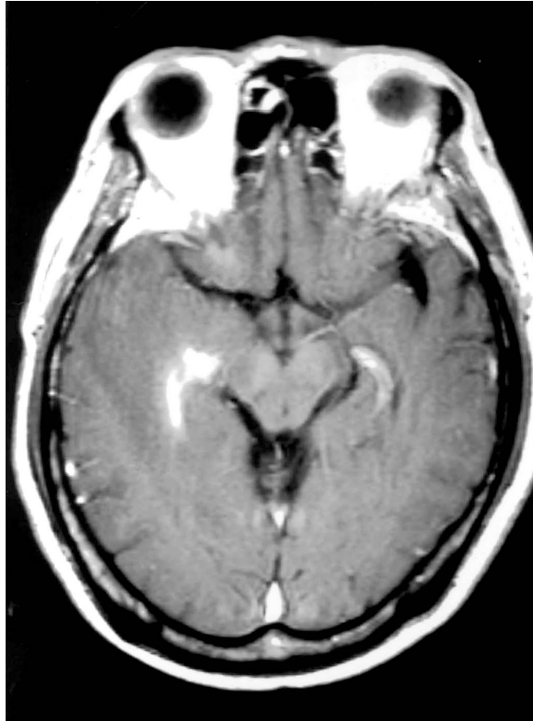


Fig. 4. Gadolinium enhanced T1-weighted MRI on post-operative 6th weeks shows focal high intensity lesion at the right temporal lobe.

11%
3.7%^{3) Clayman}
⁴⁾

3.7~10%
⁵⁾ 가
10 20

⁶⁾
(diploic vein)

가 가⁵⁾⁶⁾
(emissary vein)

1
7)
342
26
22 가
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1~2
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가
가 가
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6)

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 가 20%

가
 가
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Streptococcus, S. aureus, S. epidermidis, Haemophilus species, fusobacteria, Bacteroides species ,
Streptococcus, S. aureus

가 가 14)15)

nafcillin, oxacillin, cefotaxime, metroni-
 dazole
 6~8 가 ,
 13)

가 ,
 ceftriaxone, vancomycin,
 metronidazole

40% ,
 25% 16)

중심 단어 :

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