

소아 부비동염의 진단과 치료

나 기 상

Diagnosis and Treatment of Sinusitis in Children

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서 론

가

가

1

6 8

0.5 5.0%

(immunodeficiency), (cystic fibrosis),

(primary ciliary dyskinesia),

(gastroesophageal reflux)

1-3)

정의와 분류

가

가 (rhinosinusitis)

4)5)

2)

: , 301 - 721

640

, 3 2

30
, 2 3

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30

, 30

2)

⁶⁾ 1996 Brussel consensus meeting
 12 , 가 12 , 가 (recurrent acute sinusitis) , 가 (acute exacerbation of chronic rhinosinusitis)
⁴⁾ (noninfectious) (infectious) . Rachelefsky ¹¹⁾ 48 38 (79%)
 ostiomeatal co-
 mplex ¹²⁾¹³⁾

¹⁴⁾¹⁵⁾ 1 3
 1 3
 가 IgG subclass
²⁾ IgG2 IgG4 St -
 reptococcus pneumoniae Hemophilus influenzae

관 련 질 환

가 10 - 15%
¹⁾ 가, 가 selective antibody deficiency, IgA deficiency, C4 deficiency, X - linked agammaglobulinemia, ataxia telangiectasia, hyper - IgM syndrome ¹⁵⁾
⁷⁾ 가

70%
¹⁾ 가 controlled study가 sodium - chloride channel cy - stic fibrosis transmembrane conductance regula -

| | | |
|--|---------------------|--|
| rigid type | 가 ²⁾ | reptococci, staphylococcus aureus ²⁾²²⁾ |
| 세균학적 검사 | | 병리검사 |
| | | ESR |
| , 48 72 | 가 | ²⁾ |
| | 가 ⁴⁾ | 가 ⁴⁾ |
| 가 | | IgE |
| | | RAST, MAST |
| 10 ⁴ colony forming unit(CFU)/mL ²²⁾ | | 가 |
| | | 가, IgG subclass, C4 level, antipneumococcal antibody titer |
| | ¹⁾²¹⁾²³⁾ | B - T - ¹⁾¹⁵⁾ |
| Streptococcus pneumoniae, Moraxella catarrhalis, Hemophilus influenzae가 가 ⁶⁾²¹⁾²²⁾²⁴⁾ | | 방사선검사 |
| Moraxella catarrhalis Hemophilus influenzae - lactamase가 ⁶⁾²⁵⁾ | | 가 |
| 가 Streptococcus pneumoniae, Moraxella catarrhalis, Hemophilus influenzae가 ²⁶⁾ | | 가 |
| | | 가 |
| | ⁵⁾²²⁾ | 가 |
| | | 70 |
| | | 45%가 |
| | | 35%가 |
| | | 가 ²⁷⁾ |
| Streptococcus pneumoniae, Moraxella catarrhalis, Hemophilus influenzae가 | | air - fluid level |
| Bacteroides, anaerobic gram-positive cocci, Fusobacterium, - hemolytic st | | 가 ²⁷⁾ |

;
 4 mm , 87% , 65%
 , air - fluid level . 11)20)28) , 32% , 39%
 , 4 6
 , air - fluid level
 1 2 기타 진단방법
 가 가 (transillumination)
 28)29) 가 가 6)32)
 가 가
 21)33)
 가 , 치 료
 28 - 30) 가
 X - ray , , Wald 6)
 , 1)4)18) 6 40% , Otten Grote³⁴⁾
 가 가 ,
 21) 가
 X - ray , ,
 가 ,
 약물 치료
 X - ray 가
 1)2)4)18)
 가 가 6)
 9) Gw -
 altney 31) 2 4

가
 amoxicillin 2
⁵⁾¹⁸⁾²⁰⁾ - lact -
 amase Hemophilus influenzae Mora -
 xella catarrhalis 가 erythromycin¹⁾
 augmentin³⁵⁾³⁶⁾
⁵⁾²⁰⁾ cefaclor, cefuroxime, loracarbef, erythromycin roxithromycin, clarit -
 trimethoprim - sulfamethoxazole, EM - sulfisoxazole, hromycin macrolide
 cefixime . Cefaclor beta - la -
 ctamase 가 , trime -
 thoprim - sulfamethoxazole group
 A streptococcus 가 . 3 cep - 1 erythromycin 300 mg, roxithromycin
 alosporin cefixime 가 erythromycin 150 mg, clarithromycin 250 mg .
 Streptococcus pneumoniae 가¹⁾⁵⁾

가
 amoxicillin 10 14 ?
¹⁾²⁾⁴⁾⁵⁾²⁴⁾ 48 ?
 가 가 - lactamase ?
 가¹⁸⁾²⁰⁾ 10 14 ?
 1 ?
 가⁴⁾ - lactamase ?
 가 augmentin .
 7 10 가
 가

가
⁵⁾²³⁾ Brussel cons -
 ensus meeting Meltzer²⁾⁵⁾³⁷⁾ 38) 14
 2 flunisolide
 5 7
 5 7 , X - ray
 2

(Adenoidectomy)

가
가

가

가 (bacterial reser-
voir)²⁾

가 Vandenberg³⁹⁾ 48 79%

가³⁹⁾⁴⁰⁾

가²⁾

가²⁾³⁷⁾

(Antral lavage)

가

가²⁰⁾

가¹¹⁾ Guaifenesin, potassium iodide, cysteine, bromhexine, sobrerol

가 가

가²⁾

가¹⁾⁴⁾³⁷⁾

가

가

수술적 치료

가 (inferior meatal an-
trostomy)

가 (nasocantral wi-
ndow)

가

가

(Caldwell - Luc operation)

가 가

(unerupted tooth) 가 ,

가 .⁴⁵⁾ Lusk Muntz⁴³⁾

80%

(Endoscopic sinus surgery) , Stankiewicz⁴²⁾

3.5 38% , 55%

,⁴¹⁻⁴³⁾

. 가

silastic

gelfilm

가 .

, massive polyposis ,
(antrochoanal polyp), 3

matization center가

pneu -
가

ostiomeatal unit
²⁾⁴⁾³⁷⁾

.⁴⁶⁾ Mair ⁴⁷⁾

57%,

65%

가

(anterior ethmoidectomy)
middle meatal antrostomy)

(mi -

가

.²⁾⁴⁾³⁷⁾

가 .

가 가

가 .

중심 단어 :

가 가

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2 4

2 3 가

,⁵⁾ Mitchell ⁴⁴⁾

2

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