편도주위농양의 임상적 분석

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A Clinical Analysis of Peritonsillar Abscess

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-ABSTRACT -

Background and Objective: Peritonsillar abscess is a collection of pus between the fibrous capsule of the tonsil and the superior constrictor muscle of the pharynx. It is the commonest deep infection of the head and neck in adult, although rare, is potentially life-threatening. In spite of decreasing incidence since the advent of antibiotic therapy, many otolaryngologists frequently experience. We performed a recent clinical analysis of peritonsillar abscess and assessed the efficacy of pus culture and sensitivity. Materials and Methods: From January 1998 to December 2002, 72 patients who admitted SCH hospital were analyzed retrospectively. The analyzed factors were sex, age, season, the duration from onset to visit, body temperture, clinical manifestation, past history of peritonsillar abscess, duration of hospitalization, cultured organism and antibiotic sensitivity. Results: Peritonsillar abscess occurred most frequently at second decade (44.3%), July of months and summer of seasons. The mean duration from onset to visit was 4.4 days. Most frequent body temperature was 36.6-37.5 °C (70.9%). Most common symptom was sore throat (83.3%). On past history, 10 patients (13.9%) experienced peritonsillar abscess one time and 2 patients experienced two times. Average hospitalization was 4.2 days. Pus was cultured in forty-nine patients and pathologic organisms were only isolated in 19 patients (26.3%). Among the total 21 strains, α -hemolytic streptococci were 9 strains (36.8%), Klebsiella pneumoniae 2 strains (19.0%), Streptococcus milleri 3 strains (14.3%), Streptococcus pyogenes 2 strains (9.5%), Viridans Streptococci 1 strains (5.3%), Streptococcus mitis 1 strains (5.3%), Enterococcus cloaceae 1 strains (5.3%). Conclusion: For the treatment of peritonsillar abscess, proper antibiotic treatment is important and should be covered all bacteria that are causative. In our study, all patients were treated with cephalosporin and that was sensitive to all pathogens. Because the patients were treated by primary physician with antibiotics before admitted, routine microbial culture and microbial sensitivity tests were not effective. (J Clinical Otolaryngol 2003;14:282-287)

KEY WORDS: Peritonsillar abscess · Culture · Microbial sensitivity tests.

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			Table 1. Distril	bution of age			
	서 론		Age	M (%)	F (%)	T (%)	
			5 - 10	1 (1.8%)	1 (4.5%)	2 (2.5%)	
			10 - 19	6 (10.5%)	3 (13.6%)	9 (11.4%)	
			20 - 29	24 (42.1%)	11 (50%)	35 (44.3%)	
.1)		2)	30 - 39	16 (28.1%)	4 (18.1%)	20 (25.3%)	
•		,	40 - 49	6 (10.5%)	2 (9.0%)	8 (10.1%)	
,	, ,	,	50 - 59	2 (3.5%)	0 (0%)	2 (2.5%)	
,3)	,		60 - 69	2 (3.5%)	1 (4.5%)	3 (3.8%)	
,			70 - 79	1 (1.8%)	0 (0%)	1 (1.3%)	
		.4)	Total	57 (100%)	22 (100%)	79 (100%)	
			Table 2. Distril	bution of mont	h		
			Mo	onth	No. of	Pts (%)	
				1		5.3%)	
	(ho	t tonsillectomy)		2		5.3%)	
.1)				3		3.8%)	
				4		7.6%)	
가		- lactamase		5	7 (8.9%)		
penicillin				6	5 (6.3%)		
F				7	14 (17.7%)		
		,		8	5 (5 (6.3%)	
		•		9	3 (3	3.8%)	
		ı	10			5.1%)	
	대상 및 방법	i		11	11 (1	13.9%)	
				12	11 (1	13.9%)	
1998 1	2002 12	3	To	otal	79 (1	100%)	
()							
		79	(44.3%)	(Table	e 1).		
, ,		, ,	월별 분포				
	,		7	7	,		
, ,	,			(Table			
conhalaen	orino			(Table	۷).		
, cephalosp	orine		ᄌᄭᄞᅒᅔ	ווי ופואוויסעו	16		
가		•	5성 필연 후	내원까지의 기급			
	~ ~				1	10	
	결 과				4 7		
			(Table 3	3).			
성별 및 연령별 분포	<u> </u>						
	가 57 (729	%), 가 22(28%)	내원당시의 체	온분포			
가	·	20		36.6	37.5	가 53 (70.	

Table 3. Days from initial symptoms to visit

Table 6: Bays north Irlinal symptoms to visit								
Day	No. of Pts. (%)							
1	6 (7.6%)							
2	8 (10.1%) 10 (12.7%)							
3								
4	18 (22.8%)							
5	18 (22.8%)							
6	7 (8.9%)							
7	5 (6.3%)							
8	7 (8.9%)							
Total	79 (100%)							

Table 4. Symptoms

Symptom	No. of Pts. (%)
Sore throat	60 (83.3%)
Odynophagia	46 (63.9%)
Trismus	17 (23.6%)
Headache	12 (16.7%)
Referred otalgia	9 (12.5%)
Myalgia	22 (30.6%)

9%) 7 , 36.5 7 9 (12.5%), 37.6 38.5 7 8 (13.9%), 38.6 39.5 7 3 (3.8%) .

증상별 분포

60 (83.3%) 가 , 46 (63.9%), 22 (30.6%), 가 17 (23.6%), 12 (16.7%), 9 (12.5%)가 (Table 4).

편도주위농양의 과거력

10 (13. 9%), 2 (2.8%)가 .

재원기간 분포

4 33 (44.4%) 가 , 4.2 .

배양검사 및 항생제 감수성검사

79 49

Table 5. Cultured organisms

Strains	No. of Pts. (%)
-hemolytic steptococcus	9 (42.9%)
Klebsiella pneumoniae	4 (19.0%)
Streptococcus milleri	3 (14.3%)
Streptococcus pyogenes	2 (9.5%)
Viridans Streptococci	1 (5.3%)
Streptococcus mitis	1 (5.3%)
Enterobacter cloacae	1 (5.3%)

19 . 17 ,

- hemolytic streptococci(42.9%)가 가

Klebsiella pneumoniae(19.0%), Streptococcus milleri(14.3%), Streptococcus pyogenes(9.5%), Streptococcus viridans(5.3%), Streptococcus mitis (5.3%), Enterococcus cloaceae(5.3%)

- hemolytic streptococci Klebsiella pneumoniae(10.5%)7\footnote{2} (Table 5).

- hemolytic streptococci cephalosporin 100% , Penicillin Erythromycin 86% Streptococcus pyogenes, Streptococcus mitis, Streptocephalosporin , Penicillin Erycoccus milleri 100% . Streptothromycin coccus viridans cephalosporin , Penicillin Erythromycin, Gentamycin 100%

, vancomycin ciproproxacin

. Enterococcus cloaceae Klebsiella pneumoniae cephalosporin 100%

Penicillin 100% .

-hemolytic streptococci Klebsiella pneumoniae Penicillin Erythromycin 100% 100%

(Table 6).

고 찰

•

	Strep. eumo. %)	2	0	C	100%)	2	100%)		0		0	0		가 , , ,
Table 6. Culture and sensitivity	-hemolytic Strep Klebsiella pneumo 2 (10.5%)		2	(100%)	Ŭ	0	Ŭ))		(100%)	2 (100%)	2	(100%)	, , , , , , , , , , , , , , , , , , ,
	rcter 38)	2	0	_	100%)						0	0	ı	가 가
	Enterobacter cloacae	S	_	(100%))						ا (100%)	-	(100%)	3)11)
	sbsiella Jmoniae (10.5%)	<u>~</u>	0	c	(100%)						0	0	1	(57 /72%)7\ (22 /28%) , 20 (45.8%) . , ^{5) 4)}
	Klebsiella pneumoniae 2 (10.5%)	S	2	(100%))						2 (100%)	2	(100%)	,
	Viridans Streptococci 1 (5.3%)				(100%)	_	(100%)	(100%)	0		1 (100%)	0		, ⁵⁾ 3) 9
	Viric Strept	S	0	C	>	0	C	>	_	(100%)	0	_	(100%)	가 , ¹¹⁾ . Schecter ¹³⁾ 가
	Streptococcus Streptococcus miller mits 3 (15.8%) 1 (5.3%)	S	0 1	100%)		0 1		0 (%001	0 1	100%)	ا 0 0%)	1 0		. 7 가 , ⁴⁾ Maisel ¹⁰⁾ .
able 6.	us Stre			_	_		_	_		_	_)	가 가
_	otococci milleri (15.8%)		0	(2)		0	_	0 (%	0		0 (%	0		4.4
		S	8	(100%)	(100%)	က	(100%)	(100%)	က	(100%)	3 (100%	3	(100)	가
	soccus enes 0.5%)	2	0	C		0)	0		0	0		
	Steptococcus pyogenes 2 (10.5%)	S	2	(100%)	(100%)	7	(100%)	(100%)	2	(100%)	2 (100%)	2	(100%)	, ³⁾ Fried ⁸⁾ (83.3%) 가 , 36.6~37.5
	-hemolytic steptococcus 7 (36.8%)	2	0	C)	-	(14.3%)	0	0		0	0	ı	(73.6%)가가 , ⁵⁾ 37.5~38.5 . 37.5
		S	7	(100%)	(100%)	9	(85.1%)	(100%)	7	(100%)	7(100%)	7	(100%)	가 65 (82.3%)
			Cephaloscoprin	Ampicillip		Penicillin		erythromycin (macrolide)	Vancomycin		Gentamycin	Ciprofloxacine	<u>.</u>	,

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penicillin
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                                                           16)
                                                    haraj
                                                                                              Brook
                                                     ,<sup>18)</sup> Hall<sup>19)</sup>
'hot potato '
               (muffled voice)
                                                                                       penicillin
               72
                       45 (62.5%)
                                                                                          가
    19 (42.2%)
                                                                   penicillin
 가
                    가 57.8% Mitchelmore
                                                                              penicillin
                                                                                           cephalos-
                   24%, McCurdy<sup>7)</sup>
  15%, Holt
                                     50%
                                                    porine 1
                                                                cephalosporine
                                                                                                3)
   가
                    50%
           20%
                                         . Mitch-
                        가
elmore
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                                                           (
                                                               )
                                                                        79
                21
                           - hemolytic streptococci
가 9 (36.8%) 가
                                                                                 20 (44.3%)
                                                                                                  가
37.5%, Muller <sup>2)</sup> 44.0%
                                                                               7,
          2 (4.4%)
                                  17 (47.0%)
                                  Anssi 6)
                                                                                 36.6~37.5 (70.9%)
                                                       4.4
                 83%, Savolainen 14) 71.8%
                                                    가 가
                                                                                 60 (83.3%) 가
                                                                                                12
                                                                                         , 2 (2.8%)
                                                      16.7%
                                                                       10 (13.9%)
                                     12
                                                                                   4.2
                                                                                              . 49
                                                                   19 (42.2%)
           가
                                                                  - hemolytic streptococci가 9 (36.8%)
                         bacteroides, Leptotrichia,
                                                      21
                                                       가
Propionibacterium, Candida, Fusobacterium
                                                    phalosporin
        . Mitchelmore
                                                            8
         84%, 50%가
                                , Snow
                                                                                                  1
  18.3%, 25%가
                            가
                가
                                                                                     가
                                                       가 57.8%
                                                                            cephalosporin
                             cephalosporin
             . Penicillin
                           - hemolytic streptococci
                                                                   가
                                                                            cephalosporin
   14.3%
                                                                가 가
                     . Prior 15)
100%
                                                    중심 단어:
                        penicillin metronidazole
      가
                    98%
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