

Table 1. Etiologic Agents of Pharyngitis

Pathogen	Type of lesion [*]					Frequency [†]	Duration
	Erythematous	Follicular	Exudative	Ulcerative	Petechial		
Bacteria							
<i>Streptococcus pyogenes</i>	++++	++	+++		+++	++++	Acute
Group B, C, G -hemolytic streptococci	+++	+	++			++	Acute
<i>Corynebacterium diphtheriae</i>	+++		++++			+	Acute
<i>Corynebacterium ulcerans</i>	++++		+++			+	Acute
<i>Arcanobacterium haemolyticum</i>	++++	++	+++	+		+	Acute
Mixed anaerobic infection	+++		+	++++		++	Subacute
<i>Haemophilus influenzae</i>	++					++	Acute, subacute
<i>Neisseria meningitidis</i>	++		+			++	Acute
<i>Actinomyces</i> species	+			+		+	Chronic
Chlamydia							
<i>Chlamydia pneumoniae</i>	++++					++	Acute
<i>Chlamydia trachomatis</i>	++	+	+			+	Acute recurrent
Viruses							
Adenovirus	++++	++++	++			++++	Acute
Influenza	+++					+++	Acute
Parainfluenza	++					+++	Acute
RSV	++					+	Acute
Enterovirus	+++		+	++		+++	Acute
EBV	+++	+	++++		++	+++	Acute, subacute
HSV	++		++	++++		++	Acute
Measles	+++				+	++	Acute
Mycoplasma							
<i>Mycoplasma pneumoniae</i>	++	+	+			++	Acute
<i>Mycoplasma hominis</i>	+		+			+	Acute
Fungi							
<i>Candida</i> species	+		++++			+++	Acute, subacute, chronic

^{*}Pluses indicate the relative degree and severity of the lesion(++++, most marked; +, minimal)

[†] +++++, 76 100%; +++, 51 75%; ++, 26 50%; +, 1 25%

1). Group G C , group C
 가 . ,
 1 4 A 가 ,
 2 . , ,
 streptococcal
 7) . ,

가 , 가

4 15 가

가¹⁰⁾

1) 2) **Rapid Antigen Detection Test(RADT)**

(Table 2). group A strepto-

Neisseria gonorrhea cocci 10 15

, *Arcanobacteri-* (>90%)

um haemolyticum (60 95%)가 latex

EIA

Diphtheria

가

, Spiro-

chetes, *S. pyogenes* *S. aureus*가

11)

Mycoplasma Chlamydia

, Pichichero

2. ?¹²⁾ 가

1) 가 1 2

Gerber¹³⁾

가 가

3)

(90 95%) (90 95%)가

가 score system⁸⁾

Sheep blood agar 48

score 48 . 0.04

score streptococci unit bacitracin disk 가

가⁹⁾ group A streptococcus

Steinhoff , 38¹⁴⁾

Table 2. Treatment Considerations in Upper Respiratory Tract Infection

Clinical entity	Etiology
Common cold, herpangina, pharyngoconjunctival fever	Viral, 100%
Never-never Land	
Marked pharyngitis with exudate and fever and cervical lymphadenitis	Bacteria, 70%

1. acetaminophen, aspirin 6
가

2. A
1)
, 2) , 3)
, 4) group A -hemolytic streptococci
, 5)
15)
,
, streptococcus
streptococcus
, streptococcus가

S. pyogenes가
가
16)
1) **Streptococcus**
AAP guideline
가
가
3)
Penicillin streptococcus
. Penicillin V 10 , ben-

zathine penicillin . Penicillin
가 erythromycin 10
. , S. pyogenes erythromycin
cin erythromycin
1 cephalosporin .
S. pyogenes
penicillin 1 cephalosporin
5
17)
가
5 12% ,
,
. 가
가 18)
2) /
Streptococci
penicillin .
3) **Arcanobacterium**
Penicillin V benzathin
penicillin erythromycin
4)
A 가
amantadine zanamivir
. Herpes simplex virus
acyclovir가
3 .
1) **Penicillin**
Group A streptococcal pharyngitis 가
Penicillin , , 가
, 가 가
. Benzathine penicillin G 10
90% 가

가 streptococci 가

¹²⁾ . 가

2) **Amoxicillin** ¹⁹⁾ .

가 penicillin 4) **Erythromycin**

가 Penicillin

penicillin . penicillin macrolide

3) **Cephalosporin** .

-lactam erythromycin 가

1 2 cephalosporin macrolide .

, penicillin macrolide azithromycin , 3 4

group A streptococcus peni- 가 erythromycin

cillin . Penicillin

cephalosporin 가 ²⁰⁾

(Table 3).

가 penicillin

가 1 3

cephalosporin group A 24

Table 3. Antimicrobial Therapy for Group A Streptococcal Pharyngitis

Drug	Dose	Dosing frequency	Duration	Cost(\$) (generic)
Penicillin V	Child : 250 mg	2 or 3 times daily	10 days	1.50
	Adult : 500 mg	2 times daily	10 days	2.50
Penicillin G benzathine	Child : 600,000 units	Single injection	1 dose	10.25
	Adult : 1,200,000 units	Single injection	1 doses	17.75
Amoxicillin	Child : 40 mg/kg/day	3 divided doses	10 days	5.25
	Adult : 500 mg	3 times daily	10 days	16.50
Erythromycin estolate	Child : 20 40 mg/kg/d (maximum, 1 g/d)	2 to 4 divided doses	10 days	15.00 to 31.50
	Adult : not recommended	-	-	
Erythromycin	Child : 40 mg/kg/d(maximum, 1 g/d)	2 to 4 divided doses	10 days	8.50
ethylsuccinate	Adult : 400 mg	4 times daily	10 days	9.25
Azithromycin	Child : 12 mg/kg for 5 days	Once daily	5 days	28.50
	Adult : 500 mg on day 1; 250 mg on days 2 through 5	Once daily	5 days	40.50
Amoxicillin-clavulanate	Child : 40 mg/kg/d	2 or 3 divided doses	10 days	45.75
potassium	Adult : 500 mg to 875 mg	2 times daily	10 days	71.25
Cefadroxil	Child : 30 mg/kg/d	2 divided doses	10 days	32.00
	Adult : 1 g	Once daily	10 days	162.50
Cephalexin	Child : 25 to 50 mg/kg/d	2 to 4 divided doses	10 days	35.00
	Adult : 500 mg	2 times daily	10 days	65.50

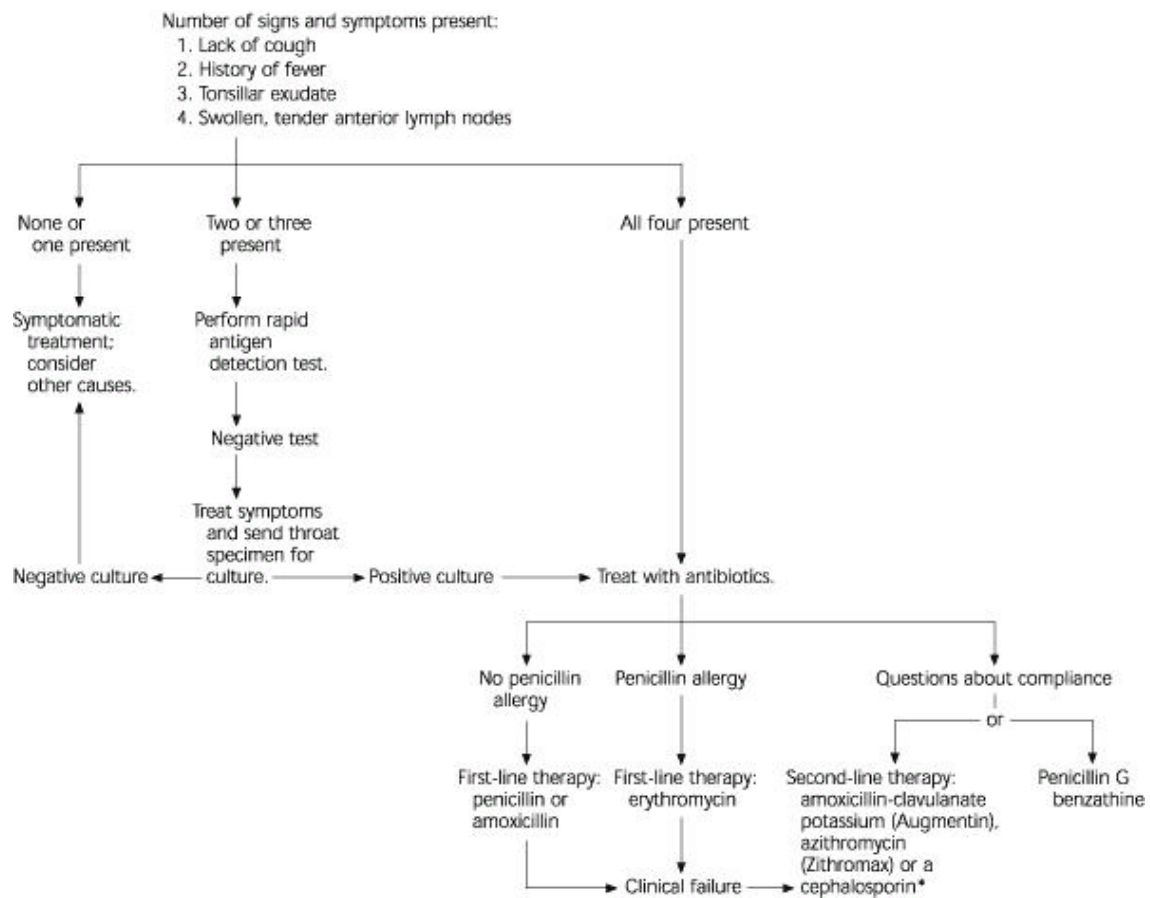


Fig. 1. Suggested algorithm for the diagnosis and treatment of sore throat(Am Fam Physician 2001;63:1560).

S. pyogenes penicillin
 가 , A amantadine
 가
 herpes simplex virus acyclovir

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