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= Abstract =

The Case of Streptococcal Toxic Shock-like Syndrome

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We experienced a case of streptococcal toxic shock-like sundrome in a 12 year old boy. Symptoms such as fever, sore throat, diffuse erythematous rashes on whole body developed 3 days before adminision. His symptoms rapidly aggravated to develop hypotension, hepatic and renal dysfunction and thrombocytopenia. After admission, intravenous fluid and antibiotic therapy were done and he was successfully treated. Attention should be paid to recognize and diagnose this fatal disese. We report this case with review of related literatures.

Key Words: Streptococcal toxic shock-like syndrome

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(Streptococcal toxic .

shock-like syndrome, STSS)

1). STSS

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30% ... 가 3 4

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가 . : $1 \quad \text{unasyn}^{\mathbb{R}}$ netromycin 가 7 . 10 가 114, 90/60 mmHg, 26 38 3 "streptococcal toxic shock-12,300/mm³, 13.1 g/dL, 180,000/ like syndrome" "toxic streptococcal syndrome" mm³ CRP 19.4 mg/dL, ASLO 383 Todd units 1987 Cone 19,900/mm³, 13.2 g/dL, 148,000/ AST 21 IU/L, ALT 97 Stevens Rocky IU/L, 5.0 mg/dL, mg/dL, 2.8 g/dL, 가 20 36 55% 12.4 mg/dL 95% BUN 50 mg/dL, creatinine 1.5 mg/dL 가 . 60% . CRP 28.3 mg/dL, ASLO 448 Todd units . 2 30% 105,000/mm³ 가 A 가, CRP 가 10, 11) ASLO 662 Todd units 가 3 A 가 가

가 M 가 . M M 가 Schwartz 1972 1988

5,193

M1, M3, M18 M4, M8 가

가 \mathbf{M} 가 (A, B

C), streptolysin O, streptolysin S, streptokinase, deoxyribonuclease, hylauronidase proteinase

A B

tumor necrosis factor-, inter-

leukin-1 , interleukin-6

가

STSS

가

가

가 antistreptolysin O(ASLO)가 가 . ASLO titer anti-DNase B

가

가

ASLO titer

A

가

12)

가

ASLO 383 Todd units, 5 662 Todd 448 Todd units,

units 가 A

1993

가 ASLO titer

A

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1) Behrman RE, Kliegman RM, Jenson HB. Nelson Textbook of Pediatrics. 16th ed. Philadel3 : 1 117

- phia, PA: WB Saunders Co, 2000:948.
- The working group on severe streptococcal infections. Defining the group A streptococcal toxic shock syndrome: rationale and concensus definition. JAMA 1993;269:390-1.
- 3) , , , , , streptococcal toxic shock-like syndrome 1 . 2001;44:200-4
- Patricia F. Microbiological feature of current virulent strains of group A streptococci. Pediatr Infect Dis J 1991; 10:S20-4.
- Bartter T, Dascal A, Carroll K, Curley FJ. Toxic strep syndrome. Arch Intern Med 1988; 148:1421-4.
- 6) Cone LA, Woodard DR, Schilievert PM, Tomory GS. Clinical and bacteriologic observations of a toxic shock-like syndrome due to streptococcus pyogens. N Eng J Med 1987;317: 146-9.
- 7) Stevens DL, Tanner MH, Winship J, Swarts R, Ries KM, Schilievert PM, et al. Severe group A streptococcal infections associated with a toxic shock-like syndrome and scarlet fever tox-

- in. N Eng J Med 1989;321:1-8.
- 8) Bradley J, Schilievert P, Sheehan P. Streptococcal toxic shock-like syndrome as a complication of primary varicella. Pediatr Infect Dis J 1991;10:77-8.
- 9) Seme J. Streptococcal toxic shock syndrome following influenza A infection. Infect Dis Clin Pract 1993;2:118-9.
- Chapnick EK, Gradon JD, Lutwick LI. Streptococcal toxic shock syndrome due to noninvasive pharyngitis. Clin Infect Diseases 1992;14: 1074-7.
- 11) Wheeler MC, Roe MH, Kaplan EL, Schilievert PM, Todd JK. Outbreak of group A streptococcus septicemia in children: clinical, epidemiologic and microbiological correlations. JAMA 1991; 266:533-7.
- 12) Anna G, Tom F. Evidence based case report: sore throat: diagnostic and therapeutic dilemmas. Br Med J 1999;319:173-4