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= Abstract =

A Case of Exacerbated Pulmonary Tuberculosis
after Contracting Measles

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The incidence of complications of measles is about 4% and most of the chief complications are in the respiratory system, such as pneumonia, bronchitis. One of other potential dangers of measles is exacerbation of an existing pulmonary tuberculosis. We report a case of exacerbated pulmonary tuberculosis in 15-year old male child after contracting measles during epidemic in year 2001.

Key Words : Measles, Tuberculosis

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, , 가 4%

2000 32,088 가 1, 2)

, 2001 , 3 가 .

15

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95% 가 95%

, 1 , 2 95% : , 15 ,

: , ,

: 3

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(Fig. 1) isoniazid(INH) 10 mg/kg/ , rifampin(RFP) 10 mg/kg/ , ethambutol (EMB) 15 mg/kg/ 1 1 , pyrazinamide(PZA)

230 : 8 2 2001

30 mg/kg/ 1 2

20

10

가 : 가 1

6

39

가 10

: 110/70 mmHg, 118/

, 30/ , 39.4 .

Koplik

: 13.8 g/dL,
13,000/mm³(84.0%, 11.7%),
414,000/mm³ , 30
mm/hr, CRP . sGOT

25 IU/L, sGPT 29 IU/L .

. Mantoux

(, 12 × 10 mm) ,

가 ,

(Fig. 2).

: cefotaxime

1.0 g/kg/ 12 , INH 10

mg/kg/ , RFP 10 mg/kg/ , EMB 15 mg/kg/

pyridoxine 50 mg/ 1 1 ,

streptomycin(SM) 30 mg/kg/ 1 1

. 33 가

INH, RFP, EMB, SM

, PZA 30 mg/kg/ 1 / , prothi-

onamide 10 mg/kg/ cycloserine 10 mg/kg/

ofloxacin 10 mg/kg/ 2 / , p-aminosalicylic



Fig. 1. Chest X-ray finding at the time of diagnosis of pulmonary tuberculosis(in the Adventist Hospital, Sept. 26. 2000). Chest P-A shows tuberculosis lesion in left upper lung field.



Fig. 2. Chest X-ray finding on the day of admission(Jan. 10. 2001). Chest P-A shows diffuse consolidation with partial air bronchogram in left lung field and pleurisy in left side.



Fig. 3. Chest X-ray finding after 45 days of treatment with the secondary anti-tuberculosis drugs. Chest P-A shows much improved left lung lesion.

acid calcium 200 mg/kg/ 3 /
 , kanamycin(KM) 30 mg/kg 1 1
 2
 45
 (Fig. 3). KM 6
 , PZA 30 mg/kg/ 1 / , prothionamide
 10 mg/kg/ cycloserine 10 mg/kg/ ofloxacin
 10 mg/kg/ 2 / , p-aminosalicylic acid calcium
 200 mg/kg/ 3 / 7

가

20

BCG

가
 ,
 .
 Mycobacterium tubercu-
 losis가 , non-tuber-
 culosis mycobacterium 가
 가 ^{1, 2)} .
 ,
 가 ,
^{1, 2)} .
 pneumocytes
 , II
 CD51 CD29가 binding molecules
 , interleukin-6 leu-
 kotriene B4가
³⁾ .
 (inocu-
 lum size) (virulence),
^{1, 2)} .
 (, 5
 가), , , ,
 (, , , ,
 , HIV , , 가
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