

CD30

2

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=Abstract=

Two cases of CD30+ anaplastic large cell lymphoma

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Two cases of CD30 positive ALCL is presented. A 27 year-old male patient presented with general lymphadenopathies, hepatosplenomegaly, splenic infarction, acute hepatitis, and hemopagocytic syndrome. The other 66 year-old female patient presented with general lymphadenopathies. Biopsy of the lymph node revealed proliferation of anaplastic pleomorphic tumor cells in the sinusoidal pattern. Immunohistochemical study revealed tumor cells were positive for LCA, T cell, and CD 30. All two cases were stage IIIA. Young patient was treat with 8 cycles of ProMACE-CytaBOM chemotherapy, and elderly patient was treated with 8 cycles of CHOP chemotherapy that resulted in complete remission with favorable clinical course. (Korean J Med 59:442-446, 2000)

Key Words : Lymphoma, Large-cell, Ki-1

3. CD30+ ALCL 'de novo'
ALCL
CD30 (Ki-1)+ (anaplastic 2.5. CD30+
large cell lymphoma: ALCL) 1982 Stein 1) ALCL
, 2-8% 가 ,
2. CD30-
, (sinus) 25.9, ,
, 40% 2. 가
CD30 3. 가
CD30 L428 가 ,
4. , , 가
B T CD30 8

• : 1999 5 31

• : 1999 12 6

• : , 194 , (700-712)

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Figure 1. Abdominal CT scanning of the case 1 revealed small sized lymphadenopathy in aortocaval, retrocaval and paraaortic area, and hepatosplenomegaly.

9
가 , 10
1
CD30+ ALCL 2
2
가 .
1. 1
: ○ , 27
: 1
:
, 1 ,
4 ,
:
84 / , 36.4 , 20 / 120/80 mmHg,
.
:
14.6 g/dL, 43.2%, 10,170/ μ L, 2.
59,000/ μ L 14%
65% 5% 9.3 mg/dL,
2.6 mg/dL, BUN 11 mg/dL, 1.0 mg/dL, 가
6.5 g/dL, 3.4 g/dL, alkaline phosphatase 833 , , , . 3

Figure 2. Biopsy of the cervical lymph node of case 1 revealed proliferation of anaplastic pleomorphic tumor cells in the sinusoidal pattern. Most of tumor cells are positive for CD30 (Immunohistochemistry, x100).

U/L, AST 433 U/L, ALT 410 U/L, 3.8 mg/dL,
LDH 290.4 U/L . B
, :
가
(Figure 1).
:
.
:
,
가
. LCA, p53, T
(Figure 2).
CD30
: 2
alkaline phosphatase 343 U/L, AST 71 U/L, ALT 94
U/L , IIIA CD30+ ALCL
1997 7 8 ProMACE- CytaBOM
가 .
.

Figure 3. Neck CT scanning of the case 2 revealed numerous variable sized multiple lymphadenopathies along internal jugular, accessory spinal chains, submental, submandibular, supraclavicular area and Waldeyer's ring.

110/70 mmHg, 68 / , 36.6 , 26 / . 8 cm 5 cm 가 , 가 . : 13.3 g/dL, 40.3%, 4,360/ μ L, 206,000/ μ L . 9.9 mg/dL, 4.6 mg/dL, BUN 20 mg/dL, 0.9 mg/dL, 7.8 g/dL, 4.4 g/dL, alkaline phosphatase 100 U/L, AST 32 U/L, ALT 30 U/L, 5.2 mg/dL, LDH 120.3 U/L , . : , 가 (Figure 3), 가 . : .

Figure 4. Biopsy of the cervical lymph node of case 2 showed syncytial arrangement of anaplastic tumor cells in the sinusoidal pattern in the background of small lymphocytes (H & E, x200).

(Figure 4), T CD30 . : IIIA CD30+ ALCL 1998 2 CHOP , 8 . CD30+ ALCL Rappaport Working formulation 1), 1988 Kiel 12). CD30+ ALCL Ki- 1 Ki- 1+ CD30 13). CD30+ ALCL 가 1). Revised European American Lymphoma (REAL) ALCL B B T null- ALCL 13). T CD30+ ALCL . ALCL

4 : CD30 2

가 , 80% 7,

Reed- Sternberg 1), 7,

가 , 2/3 17) 7

가 , , , , 7

2 1), 2

가 CD30+ ALCL

가 가

(trabecular) ,

CD30+, CD45+/-, CD25+/-, 가 2

EMA+/-, CD15- /+, CD3- /+ T- CD30 ALCL 3

, CD43- /+, CD45RO- /+, CD68-, 6, CD30-

lysozyme- 1), t(2;5)

(p23;q35)가 16- 73%14 15) , Lamant

14) 89% 60% 2 Fanin 5)

가

100%

t(2;5)(p23;q35) 5q35

nucleophosmin 가 2p23 protein CD30+ ALCL

kinase (anaplastic lymphoma kinase, ALK) LDH 가 6 7, Zinzani 18) bulky

p80(NPM/ALK)가 ALCL

100% Tilly

Nakamura 16) anti-p80 2) 146 CD30+ ALCL

p80 63 T 38%, B 34% null 22%

ALCL 67 43

(64%) , p80+ ALCL 가

p80+, CD30+, EMA+, CD15-, bcl- 2-, EBV CD30+ ALCL 13- 42

CD30+ ALCL 가

CD30+ ALCL

가 p80+ p80- 가 2 19)

ALCL 가 , p80- , 1

가 가

ProMACE- CytaBOM 3

, p80 ALCL 2 CHOP 1 가

ALCL 16) 28 , 21

CD30+ ALCL

25 6,

2 1.5 가 ,

2 가 17) 'de novo' CD30+ ALCL 2

CD30+ ALCL 6 7 ProMACE- CytaBOM, CHOP

28, 21

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