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Childhood Ischemic Stroke Associated with Protein S Deficiency: A case report

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The occurrence of acute ischemic stroke in childhood is rare. The etiology of childhood ischemic stroke is different from that of an adult, and coagulation abnormalities are suspected to be related. Protein S is a vitamin-K-dependent plasma protein that inhibits the coagulation system by serving as a cofactor for activated protein C, and the clinical manifestations of its deficiency are virtually identical to those of protein C deficiency. We reported the case of a child who presented with right side weakness and who was diagnosed as having a cerebral infarction associated with protein S deficiency as the cause of stroke.

Key Words: Cerebral infarction, Protein S deficiency

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: 640
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: 2002 6 14 , : 2002 8 12

4%
S , C , III 4).
C
K S

: 35
:
: 2

가 : 3.5 kg
가
: 140/80 mmHg,
114 , 26 , 36.4
가
가 grade III ,
grade IV
가
: 10,600/mm³
12.6g/dL, 35.9%, 322000/mm³

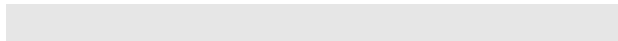
가 (1).
(PT) 11.6 , INR 0.9,
(PTT) 27.6 (22.2 ~ 32), 80.8
mg/dl(200 ~ 400 mg/dl) , III, LE



1. 3

()가 .

G, M, SS-A, B ,
 (FANA) . C
 97% (72 ~ 160%), S 150% (
 60 ~ 140%), C 86% (73 ~ 142%),
 S 47% (70 ~ 140%) .
 : A2
 sermion 10 mg 100 mg .
 4 grade IV, grade
 IV 7



가

가

2

가

가 가
가

3).

4%

III

4). S

S , C

S

5-7), S

C

8-10), S, C

11) . C

가 12,13). S

, S C

Va VIIIa

K

C

. S

60% C4b

40%

가

. S

20% 가

. S

, S

S

S

1 ,

2

14)

1

15).

16), 가

17). 가 S

0.03 ~ 0.13%

18)

가

S

Factor V Leiden, 20210 A, (a),
 3). Factor V Leiden 506
 glutamine arginine

C 20210 A
 20210 glutamine arginine
 가 .
 (a)

cardiolipin 가

가

, , , , , , , 가

가

/

가 3).

, 가

19).

가 low molecular weight heparin

20)

가 ,
가 .

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