

= Abstract =

A Case of Hemoperitoneum after Intraarterial Urokinase Infusion for Acute Ischemic Stroke

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Although thrombolytic therapy is one of the most effective therapeutic option for acute ischemic stroke, hemorrhagic complication still remains major concern about its application. A patient with hemoperitoneum, who previously underwent thrombolytic therapy(intraarterial urokinase infusion, IAUK) for acute ischemic stroke was treated successfully with emergency transarterial embolization for rupture of hepatocellular carcinoma.

We present a rare case of rupture of hepatocellular carcinoma after intraarterial urokinase infusion for acute ischemic stroke with brief review of the literature.

Key Words: IAUK, Thrombolytic therapy, Acute ischemic stroke, Rupture of hepatocellular carcinoma

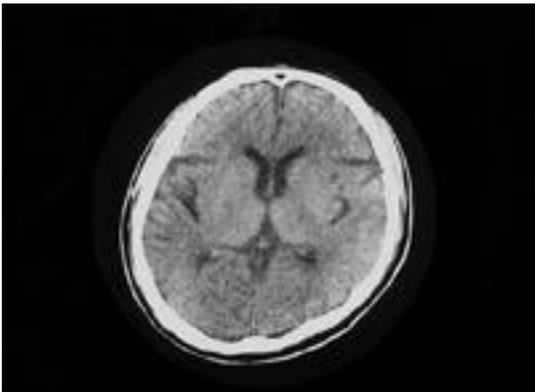
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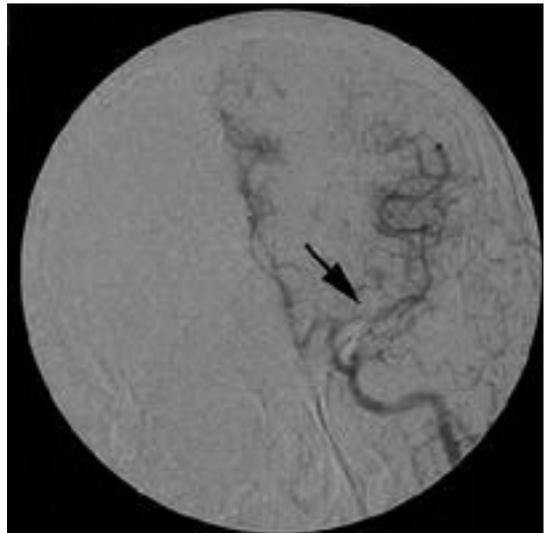
I. () , (1), 4 (intraarterial urokinase infusion, IAUK) (methylprednisolone) 125 mg 가 15% (mannitol) 500 ml , 2~3% , (cerebral angiography, 4-vessel study) (middle cerebral artery, MCA) M1 (urokinase, UK) 10 가 (2). 25 UK 1 L 50 ml/h , 1

II. 90 mmHg, 118/ , 25/ 가 가 64 가 가 ,



1.

(sulci)



2.

M1

().

pH 7.12, PaCO₂ 27.8 mmHg, PaO₂ 117 mmHg, 15,200/mm³, 5.9g/dL, 113,000/mm³

7
가

2

5 cmH₂O

III.

(dynamic)

(right anterior

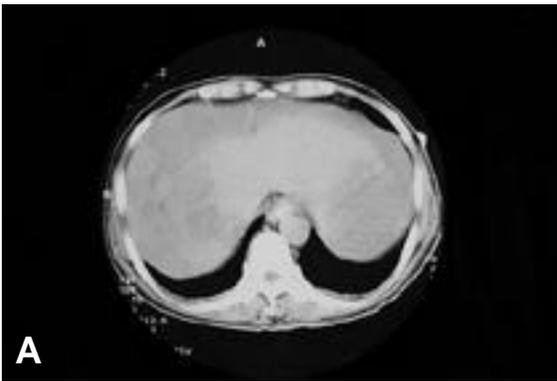
superior subsegment)

(3),

(transarterial embolization,

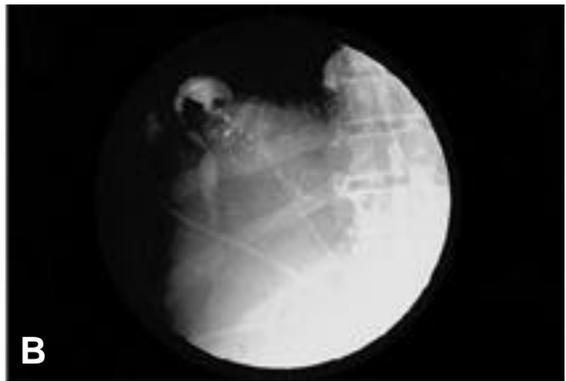
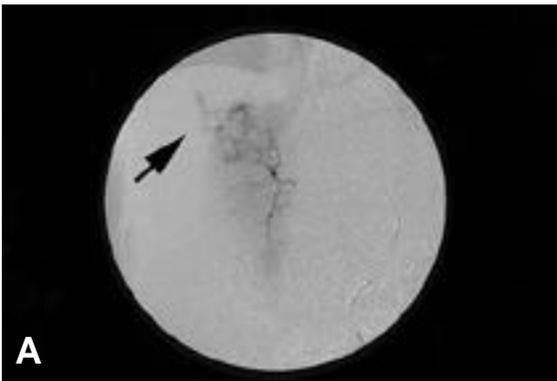
TAE)

(4).



3-A. ()
B. (3)

가 가 ,
().



4-A. (). B.

(hypervascular)

(ischemic penumbra) “ (hemorrhagic transformation)

가 , von Kummer CT

가 50%

¹⁾, 30~100 mg rt-PA 85%

, 가 ¹⁴⁾,

European cooperative acute stroke study (ECASS) CT 가

, 가

가 가 ⁵⁾.

^{2,3)}.

Fukazawa lenticulostriate artery (A-V shunt)

가 70%

⁴⁾, (basal ganglia)

¹⁵⁾,

Dillon CT

가

⁵⁾.

가

가 ¹⁶⁾,

^{5,6)}. 1995 NINDS(the national institute of neurological disorders and stroke) trial rt-PA(alteplase) 가

¹⁷⁾.

(prourokinase)

⁷⁻⁹⁾, 가

가

(vertebrobasilar artery)

가

¹⁰⁻¹²⁾.

가

, 가

^{6,18)}.

¹⁾,

¹³⁾.

가

가

1%

),

,

8 ~ 15%

¹⁹⁾ Leung

B

, ,

²²⁾

C

10%

²⁰⁾,

CTAP(CT

2 ~ 3%

²¹⁾

arteriportography), LCT(lipiodol CT)

CT(spiral or helical CT)가

4.4%,

11.9%,

17.9%

,

. Ezaki

¹⁹⁾

72.5%

Tanden

5cm

92%

51%

(screening test) AFP

가

²⁰⁾,

^{21,23-24)}

, Schlager

alpha-fetoprotein(AFP),

95%,

des-gamma-carboxy-prothrombin(DGCP),

98%

alpha L-fucosidase(ALF)

²⁵⁾

²¹⁾

가

¹⁹⁾,

98%

^{26,27)}

80%가

가

가

가

가

가

(

19), 1 . , 25 ,

500 ml , 15% , AFP

가 , B C
가 , 가
가 .
가

가

1. , , .

Hermann 가

, Okezie

, Ong

19,28-30)

가 ,

가

()

1),

가

가

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