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=Abstract=

A Case of Hepatic Metastasis in Granulosa Cell Tumor of the Ovary

S.G. Park, M.D., Y.S. Shin, M.D., S.K. Son, M.D., S.L. Nam, M.D.,
K.S. Seo, M.D.,* S.Y. Kim, M.D.**

Department of Obstetrics and Gynecology, Department of Pathology,
Department of Internal Medicine,** College of Medicine, Chungnam National University, Daejeon, Korea*

Granulosa cell tumor of the ovary accounts for 2-3% of all ovarian malignancies and is the most common sex-cord tumor. It has a relatively low malignant potential and a propensity for late recurrences, and so is associated with long-term survival. The incidence of hepatic metastasis has not been reported frequently, but appears to be low. We present a case of early hepatic metastasis of granulosa cell tumor of the ovary with a brief review of literatures.

Keywords: Granulosa cell tumor, Hepatic metastasis

: , 56
 : 5-0-2-5
 : 1979
 가 , 1994 6
 . 1995 12 1 5
 10% .1 가 1
 estrogen
 가 estrogen 6.9 g/dl
 가 가 , , , , ,
 5 6% .2
 가
 (Fig. 1).
 22 x 14
 9 1 x 5 cm
 가 가

가
가 a
가
(Fig. 3).

Fig. 1. 12 × 11 × 12 cm sized, multilobulated and multi-septated mixed mass located in the pelvic cavity and posterior and superior aspects of urinary bladder (pelvic CT).

1.5 × 1.1 cm 가
가 80 cc
3 4/10 HPF Call-Exner
body (Fig. 2).

Fig. 3. Fistulous tract of small intestine showing focal invasion of tumor cell nests and granulation tissue proliferation (H & E, ×40).

가 :
: 1996 2 1996 5
1996 9
45.5 kg,
110/70 mmHg, 80 / 36.5
가
3 × 3 cm
가
: 11.6 g/
dℓ
GOT/GPT 54/23 IU/L LDH 656
IU/L 가
CA 125 202 U/
Mℓ, CEA 1.47 ng/Mℓ, -FP 1.9 ng/Mℓ
estrogen 31.7 pg/Mℓ
: X-

Fig. 2. Granulosa cell tumor of the ovary showing diffuse pattern of growth. The tumor cells are ovoid or spindle-shaped and show occasional nuclear grooves and mitotic figures (H & E, ×200).

가
(Fig. 4).
: 1996 9

Fig. 4. Variable sized low density masses located in both hepatic lobes, perihepatic space and perisplenic space (abdominal CT).

가
nuclear groove
1/10 HPF
body (Fig. 5).
Call-Exner
10%
.58
estrogen

1996 11 15
5
8%
.3 15%
2 3% .4 1983 7
1998 3 197 11 가
5.6%
1855 Rokitansky
50 60
5%
2%
75%
가
가
가

Fig. 5. Metastatic granulosa cell tumor, Liver. Diffuse proliferation of spindle-shaped cells showing occasional mitotic figures (H & E, ×400).

: 1996 9 16 paclitaxel 135 mg/m²,
carboplatin 400 mg/m²
, 1996 10 11 1996 10 19
2100 cGy
, 1996 10 28 etoposide 20 mg/m²,
cisplatin 20 mg/m²

25 50% 5%
.578
가 가
가
5 6% .2 Fox 2 10
74 22 22
가 .8
11 2
1 가 9.1%
. Margolin -

- References -

.1810
 ,
 .5
 mephalan cytoxan VAC(vin-
 cristine, adriamycin, cytoxan) PAC(cisplatin, adria-
 mycin, cytoxan) 가
 ,11 AcFuCy(actinomycin D,
 5FU, cytoxan) 20%
 .1012 progestin anti-
 estrogen 가
 .7
 10
 90% 20 75% .
 1) 40 , 2)
 , 3) , 4)
 , 5) , 6) , 7)
 15 cm , 8)
 ,8 가
 가 .5
 5가 (1,3,4,7,8)가
 ,
 , 9 가
 가 가

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