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=Abstract=

A Case of Squamous Cell Carcinoma in Mature Cystic Teratoma

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Mature cystic teratoma represents 10-20% of all ovarian neoplasms in women during the second and third decades of life. Malignant transformation rarely takes place in this tumor, and is observed in approximately 1-2% of all cases. The most common malignancy developing in mature cystic teratoma is squamous cell carcinoma.

The prognosis for patients with malignant transformation of mature cystic teratoma is poor and because of the rarity of malignant degeneration, the surgical and postoperative management is not established.

A case of a stage IIIb squamous cell carcinoma which developed in a mature cystic teratoma in a 47-year-old female who was disease free after tumor debulking surgery and subsequent treatment of five cycles of bleomycin (30 mg iv injection Day 1), ifosfamide (1 g/m² iv injection Days 1-5), and cisplatin (50 mg/m² iv injection Day 1) is presented and issues regarding the diagnosis and management of this rare complication are discussed.

Keywords: Mature cystic teratoma, Squamous cell carcinoma, Malignant transformation

10 20
10 20%
1 2%
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.12)
b
.15)
: , 47
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.34) 가

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3
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cm, 60 kg . , , ,

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, , , X-
-fetoprotein -hCG
CA-125 75.7 U/ml .
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Fig. 1. The mature cystic teratoma ($\times 40$) Laminated keratin materials and squamous epithelium are seen at upper portion and various skin appendages at lower portion.

Fig. 2. Omentum with metastatic squamous cell carcinoma ($\times 100$) This shows nests of squamous cell carcinomas with eosinophilic keratin pearls.

9 BIP (bleomycin 30 mg iv injection Day 1, ifosfamide $1\text{g}/\text{m}^2$ iv injection Days 1-5, cisplatin $50\text{ mg}/\text{m}^2$ iv injection Day1)
5 BIP . 5

diffusing capacity 가

14 \times 11 \times 7 cm 540 gm

2.5 \times 1.5 \times 1.5 cm

6

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2 3

3

37

. SCC

1

(Fig. 1 3).

:

b

(A)

Rokitansky

12) Hirakawa 4)

(B)

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.15)

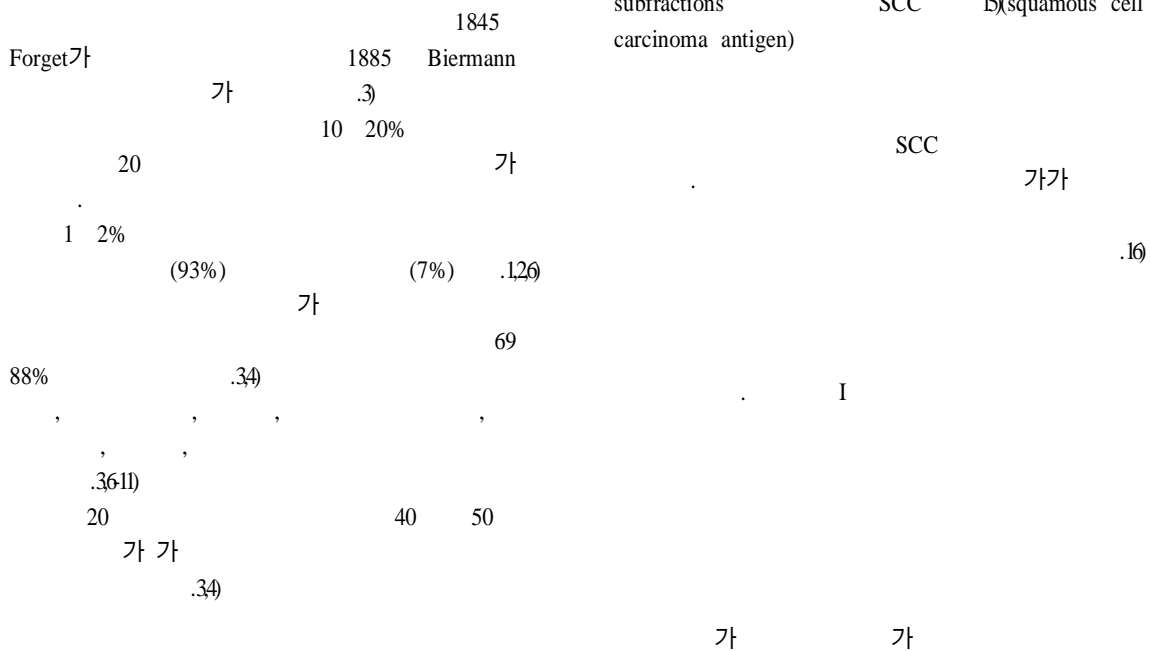
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.1,13,14)

Fig. 3. The tall columnar lining epithelium. These show mucin-producing epithelium at upper portion. Nests of squamous cell carcinoma with keratin pearls are seen at lower portion. a.($\times 40$) b.($\times 200$).



가 .15,18) 가 .

.15) 가

.17) 가

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(vinblastine,bleomycin,cisplatin) 5)

가 19) Seltz Vogl2)

b (methotrexate, bleomycin,cisplatin)

2 . Rose 18)

가 extended field

cisplatin

I

가 BIP(bleomycin, ifosfa- 2)

mide, cisplatin)

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.3422) 가

3422) 5 75% 15%

.3)

가

2 4 6 가

b 5

bleomycin ifosfamide cisplatin

37

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