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=Abstract=

One Case of Neuroblastoma arising in Mature Cystic Teratoma of the Ovary

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The incidence of malignant change of ovarian mature teratoma is 1 ~ 2%. The majority is squamous cell cancer, the others was adenocarcinoma. Neuroepithelial tissue was frequently detected in mature cystic teratoma, but their malignant change was extremely rare. Only, two cases of neuroblastoma of ovarian teratoma were reported in the world. We report one case of neuroblastoma arising in ovarian mature teratoma with a brief review. Our case is the third reported one in the world.

**Keywords:** Neuroblastoma, Mature cystic teratoma, Ovary

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 1 2% MRI  
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 23)  
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 1 100/70 mmHg, 75 / ,  
 20 / , 36.5 52 kg, 163  
 cm .  
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가  
: 10.6 mg/ml,  
30.8%, 4,600/mm<sup>3</sup>  
186,000/mm<sup>3</sup>  
CA-  
125 442.94 U/ml, CA19-9 19.2782 U/ml, AFP 0.10  
ng/ml, -hCG 0 mIU/ml X-

(Fig. 1).

(Fig. 2).

16 × 14 cm 가  
가  
16 × 12 × 14 cm 가  
가

dorosettes)

(fibrillary cytoplasm)

(Fig. 3).

3 4 가

MRI

가 16 × 12 × 14 cm

NSE, S-100

GFAP

가 16.5 × 12.5 cm  
가 3

12.5 cm : 16.5 ×

Fig. 1. Gross photography of left ovary. The specimen measures 16.5 × 12.5 × 14 cm and the outer surface is tan-white and nodular. On cross-sectioning, it is tan-white, hemorrhagic solid rubbery and has focal cystic lesion which contained hair and sebaceous material.

: 5 BEP  
6 가 2

CA

Fig. 2. Low power view showing at the left upper quadrant of the picture the typical stratified epithelium and hair follicles and at the right lower quadrant of the picture, the densely cellular neuroblastoma (H & E,  $\times 40$ ).

Fig. 3. Neuroblastoma showing pseudorosettes and neurofibrillary substance (H & E,  $\times 100$ ).

125 148.89 U/ml,  
17.79 U/ml

BEP 가

1 2%

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4)

monophyletic

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grade 4

6)

7-10)가

79)

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. 1983

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1996

Shunsuke

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20

50

60

4 20 cm

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