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= Abstract =

Two Cases of Struma Ovarii

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Struma ovarii is a monodermal teratoma composed totally or in overwhelming proportion of thyroid tissue. It is uncommon and accounts for 1% to 3% of benign teratomas of ovary. Grossly, they are encapsulated neoplasms, several centimeters in diameter and have a red, shiny, and meaty surface. Microscopically, the tumor is composed of mature thyroid tissue consisting of various sizes, lined by a single layer of columnar or flattened epithelium. The clinical behavior is benign, and simple excision is adequate treatment.

We had experienced two cases of struma ovarii arising in the left ovaries. So we report above cases with brief review of literatures.

Keywords: Struma ovarii, ovarian teratoma, thyroid tissue.

1 3% < 1>
: , 33 ,
:
.1) 가 : 2 2 가
~20% (mature cystic teratoma) 5
가 : 15 , 28
.24) , 4 ,
33 44 :
2

stru-
ma carcinoid
가 :
60kg
cm , 620 gm , 가 13×10×8

(Fig. 2-a, b).

GOT, GPT
HBsAg , (Tumor ma-
rker) AFP, CEA , CA 125
242.43 U/ml, CA19-9 66.06U/ml 가
13×10cm

(Color doppler) (Resi-
stive index) 0.61, (Pulsatility index) 0.94
cm/sec
: X- , IVP
(double ureter)

가 ,
(fatty strands)가
가
가
(Fig. 1-a, b).

200cc 가

Fig. 1. Pelvic CT

a) On precontrast film, it shows a huge lobulated mass with heterogenous density containing large portion of high density and well marginal enhancement.

b) After contrast injection, it shows well marginal enhanced mass in pelvic cavity extending to lower abdomen. Moderate amount of ascites are in pelvic cavity and left paracolic gutter. Lymph nodes are not enlarged.

Fig. 2-a) Cut surface of the ovary shows compartments of amber-colored thyroid tissue separated by thick fibrous septae.

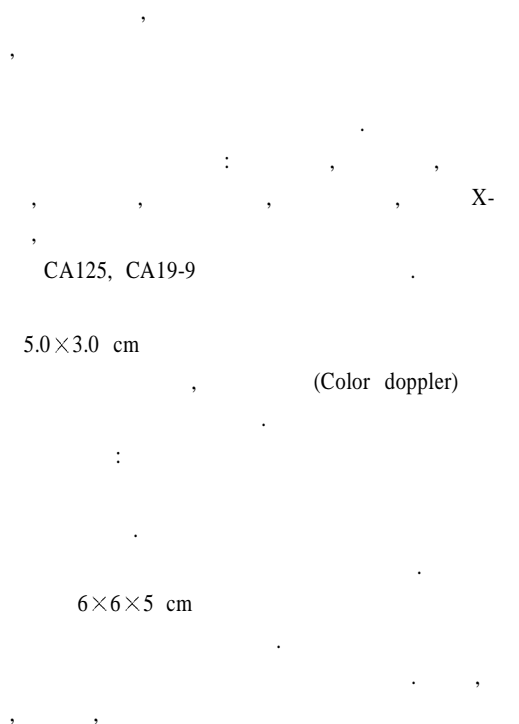
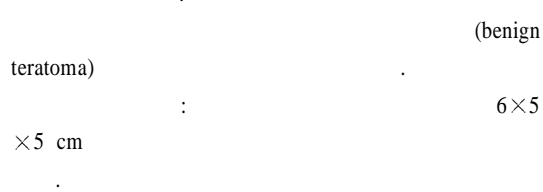


Fig. 2-b) Microscopic findings reveal patterns of macro- and microfollicular adenoma of thyroid gland ($\times 100$, H-E).



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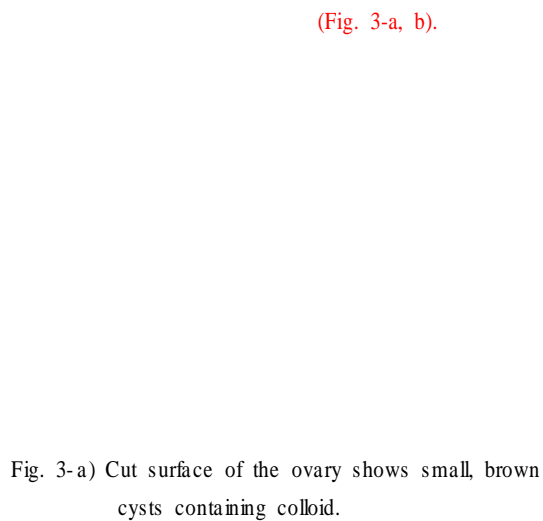


Fig. 3-a) Cut surface of the ovary shows small, brown cysts containing colloid.

(immunohistochemistry staining)
가
(Thyroglobulin)

Fig. 3-b) The tumor is composed of normal thyroid tissue ($\times 100$, H-E).

17%
Meig
(pseudo-Meig's syndrome)
가

.11)
200cc 가

Boettlin(1889)5
Von Kahlden(1895)6 Gottschalk(1899)7

, Plaut(1933)8

1 3%

5~37%
.13) Gould (1983)14
strumal carcinoid

(Sailer, 1943).1) 33
44 가 6%

.4)

가
가
.15)

(thyrotoxicosis)
(Gusberg et al., 1944)9
Marcus

(1961)10

가
가

Pardo-Mindon (1983)16 45

10 cm

가 17

17)

, ,18) ,19) ,20) ,18) ,21)
 22) 5 6% 14)
 10~20 .15)
 .23)
 가 가 131I
 ,
 .24)
 .2)
 15 13
 131I 가 .25)
 gold 32P
 가
 (thyroglobulin) 131I scanning25)
 .26)
 가
 가 가
 가 가
 20
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