

미세 갑상선암의 치료 범용논문

Surgical Treatment of Thyroid Microcarcinoma

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Abstract

Thyroid microcarcinoma(TMC) is defined by the World Health Organization as carcinoma 1.0cm or less in its greatest dimension. TMC is being found in an increasing proportion of treated thyroid carcinomas due to the more frequent use and the technical improvement of ultrasonography and fine needle aspiration biopsy. Clinicians should be aware of the differences between TMC and clinical thyroid cancer (more than 1cm in diameter) when making a surgical decision. The aims of this study are to characterize the clinical and biological behaviors of TMC, to demonstrate the prognosis according to the risk factors and treatment modality, and to suggest a proper surgical management of TMC.

Keywords : **Thyroid microcarcinoma;**
Clinical cancer; Thyroidectomy;
Central compartment node dissection

: ; ; ;

가
 (strap muscle)
 ,
 . 1988
 1.0cm ()
 (1),
 CT ,
 (incidental cancer),
 (occult cancer),
 (latent cancer)
 1cm . 1cm
 () .
 가
 ,
 가
 ,

1. Relative Incidence of Histopathologically Documented Thyroid Cancer

	Clinical cancer		Microcancer	
	Incidence	Percent	Incidence	Percent
Papillary	3,182	82	1,844	93
Follicular	438	11	131	7
Medullary	57	1	10	0.5
Undifferentiated	69	2	0	0
Lymphoma	122	3	1	
Squamous	2		0	
Total	3,870		1,968	

가
가
가
가
가
가
가
(4)
42%가

1995 2003 4 4

99%

14% 28% 2 가 .

2.

가 3~6

가

1.

가

1.5 ~ 35.6% (0.5 ~ 10 /100,000

) 50 ~ 100

(2). Ishida (3)

10%

3.

0.14%

Yamashita (5) 30

5,866 (3,870 , 1,986)

2%

(1),

93%

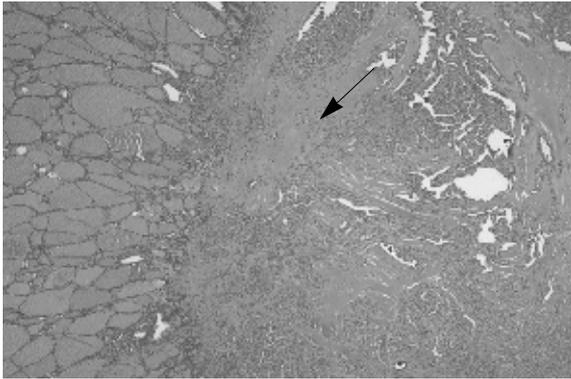
99.5%

가 ,

93% 82%

가

가



1. sclerosis가
5.0mm(Hematoxylin and eosin x 100)

0~0.04% 6~11%

가 .

1)

AGES, AMES, MACIS,
EORTC, TNM system

. Yamashita (3)

31

가

가

가

가 가

7 ,

6

(1) ,

가 .

가

().

Hay(7) 535

21~41%

. Baudin(8) 281

가 5mm

5mm

(6).

(- 8.2% : 2.3%)

(- 1.2% : 8.6%)

. Satge(11)

4.

가 34

가

가

0~11%

2)

10~14%

Hay (7)

AGES 가 3.99

20 1%

가가 , 4
가

10 0~

11%

19.8%

가

가

3.3%

가

5%

20%

(7).

가 가 , , 가

3)

Hubert (6) 가 가

3.6 (18% : 5%)

, Hay (7) 1.

Yamashita

(5) 1,743 11 35%

가 ,

2.1%

(1.2%) , ,)가

가

10%

2.



A) 6cm
 B) 4cm
 C) 가 .

2.

가

가

가 .

가

,

3.

1)

가

5cm

가

가

5cm

가

3~4cm

가 .

가 ,

2)

3)

가

가

(2).

가

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