

# 유방암의 외과적 치료

## Surgical Treatment of Breast Cancer

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### Abstract

Breast cancer is the most common malignancy among women in Korea. Over the past decades, the surgical treatment of the breast cancer evolved significantly, and the trend has been towards less conservative approaches. The introduction of percutaneous image - guided biopsy has allowed less invasive diagnosis of nonpalpable breast lesions. Breast conservative therapy has become accepted as an alternative to mastectomy for more patients with ductal carcinoma in situ and early stage invasive breast cancer. Another major advance in the surgical treatment of breast cancer has been the development of the sentinel node biopsy procedure. This is a way to determine if the axilla is negative for metastases without a complete axillary dissection and its physical and functional complications. Since many patients today are diagnosed with early stage breast cancer and negative axillary nodes, this technique offers substantial benefit to numerous women.

**Keywords :** Breast cancer; Axillary dissection; Lymph node; Mastectomy; Sentinel node

; ; ; ; ;

가 가  
2001  
1  
가  
가  
가  
20  
가  
(needle - localization & excisional biopsy)  
(stereotactic core needle biopsy)

1982  
 72.3%가  
 가  
 가  
 (mammotome) 2 cm  
 ABBI(advanced breast biopsy instrumentation)  
 (breast conserving surgery)  
 NSABP B - 06 (2) Veronesi  
 (atypical ductal hyperplasia) (radial scar) 50% 가 (3).  
 20% 3 ~ 17%  
 20% 2 ~ 10% (4). 1990 (1, 2)  
 (1.) )  
 (5).  
 가  
 1. Halsted 가  
 1894 (William Stewart Halsted) 50 가 Fisher  
 (radical mastectomy) 가  
 2/3 60% 가 . 35  
 3 42%, 10 가  
 12% . 1948 (Patey) (resection 가  
 (Auchincloss) margin) 가  
 (Madden) 2 mm(Solin ) 1 ~ 2 cm(Borger )  
 (modified radical mastectomy)  
 1980 85% 가 1, 2 가 1 cm  
 90% 가 (6).

(extensive intraductal component)

(skinsparing mastectomy)

(latissimus dorsi)

가

가

(TRAM)

( 4

)

가

가

3.

가

가 5 cm

25%

가

가

2002

(neoadjuvant

55%가

chemotherapy)

(downstag-

ing)

. 70~90%

2.

25~90%

100%

가

(8).

가

Fisher

NSABP

B - 17

90

가

(Sentinel Lymph Node Biopsy)

10 mm

1 mm

가 (7).

가

가 가

3~4 cm

1, 2

1 cm

(level 1, II)

3 (level III)

5 mm

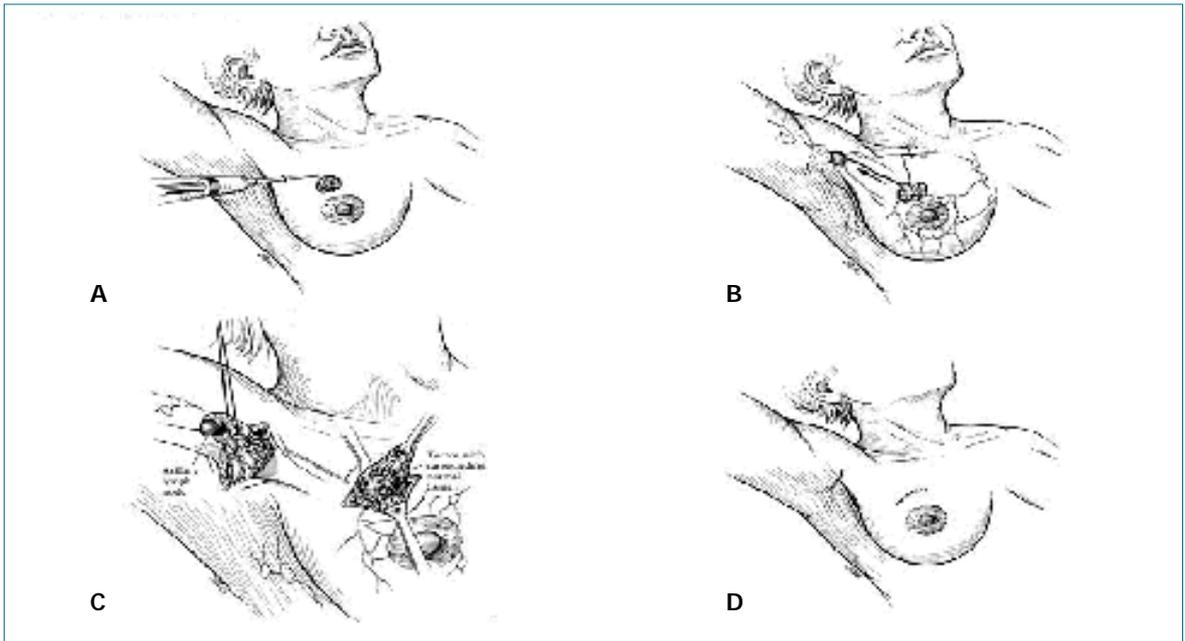
가

1%

가

가

가



A)  
C)

B) (lymphatic mapping)  
D)

1.

65.5%, 95.6%

가 , , (9).

(lymphatic mapping) (sen- patent blue) (isosulfan blue, technitium sulfur colloid)  
tinel lymph node biopsy)

가 .

( 1).

가

가 가 .

, 가

가 . 5 cm

가

가

가

. 1994 Guiliano 296 .

1. \*

				(%)	(%)
Krag	11	443	Tc	91	11.4
Tafra	48	535	Tc + blue dye	87	13.0
Wong	148	1,436	Tc and/or blue dye	90	8.3

\* Morrow M : Multidisciplinary management of primary breast cancer : Update on surgical management, In Educational book of American Society of Clinical Society, 2002 : 304 - 8

가 T1 가 2 cm ,  
( 가 2 mm ) (11).

가  
9.9% (cryotherapy),  
(internal mammary lymph node) (radiofrequency therapy),

7 ~ 12% 가 1995 가  
300 가  
75% 가  
98% 95% (12).  
(10). 2001 1 cm

100% 98% 가  
가 가 , 가  
, 100% 가  
( 1). 가



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