

(major duct)

30

1

(major duct)  
(plasma cell mastitis),  
(mammary duct ectasia),  
comedomastitis  
(secretory disease),  
(1, 2).

가  
가  
(Fig. 1B).

(Fig. 1C).

(1).

8% (3), 50  
30 - 40% (4).  
(5).

가  
가  
가

(granulation tissue)

(3, 6, 7).

(Fig. 1D).

1

Mammary duct ectasia-periductal mastitis complex

30 가 2 가  
8 가 2×3 cm 가  
가  
6-8 가

(5),  
(8).  
가  
(exfoliated squamous cell)

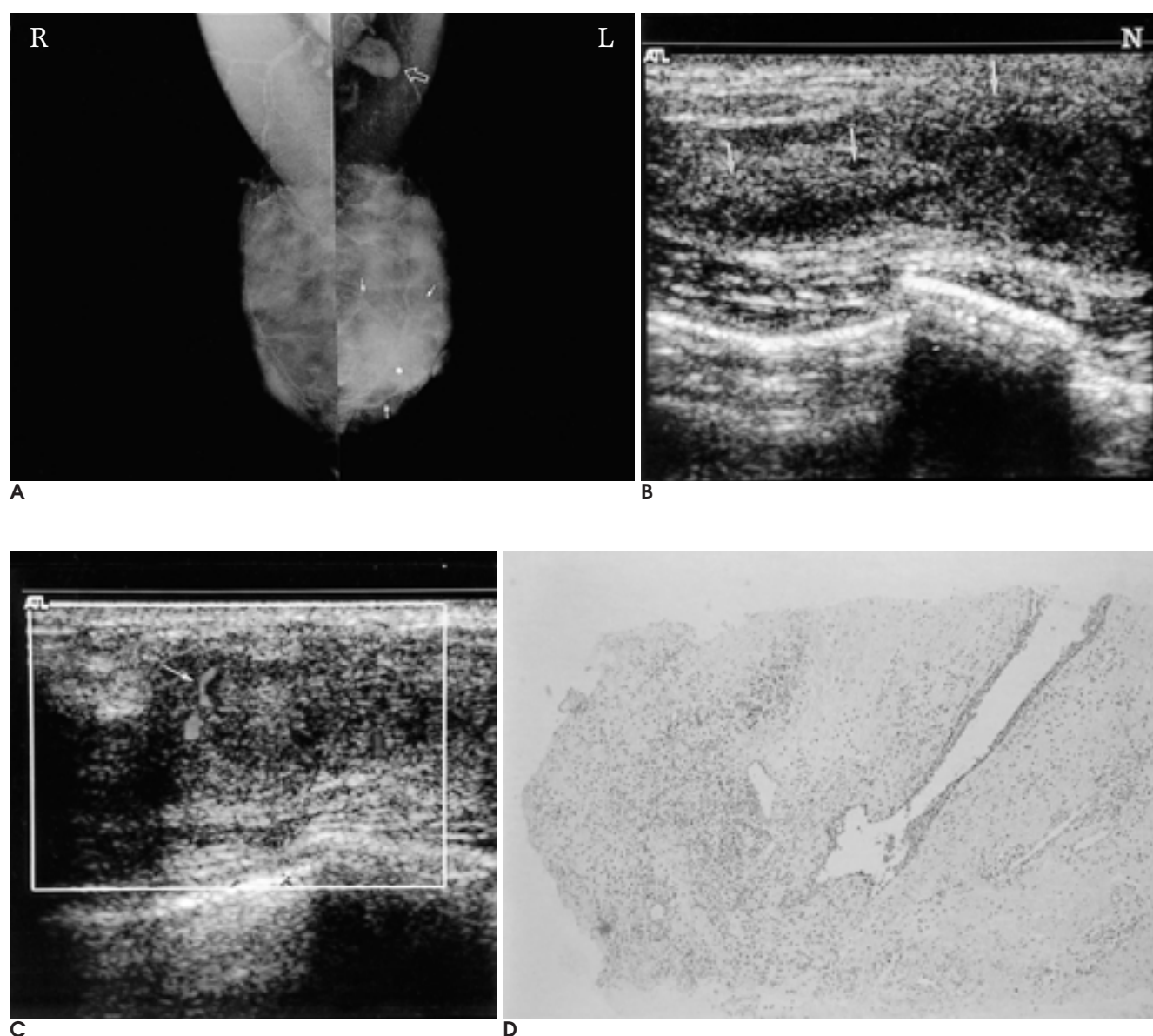
(Fig. 1A).

가

(elastic supporting lamina)

(2, 9). 가 가  
가

가 (2). , 40 - 49 가 (2). 3 - 4 (2, 5). 2 - 3 (fistula) (1, 10). 가 (5). (segmental distribution) (mam -



**Fig. 1.** Periductal mastitis in a 30-year-old woman.

**A.** Mediolateral oblique view of mammogram shows asymmetric density (arrows) in lower portion of the left breast. Radioopaque marker is placed over the area of the palpable mass. Borderline sized lymph node is seen in left axilla (open arrow).

**B.** Sonogram shows diffuse ill-defined hypoechoic lesion (arrows) with architectural distortion and obliteration of subcutaneous fat layer in left subareolar area. There is no evidence of skin thickening over the lesion. (N: nipple)

**C.** Color Doppler image shows focal vascular signals (arrow) in the central portion of the lesion.

**D.** Photomicrograph shows periductal chronic inflammation, composed of mainly lymphocytes and histiocytes (Hematoxylin-eosin, original magnification  $\times 40$ )

mammary duct ectasia)가 (sinus)  
가

(1).

(1).

가

(ring)

(tubular)

(spiculated)

(lobulated)

(3, 5).

(6, 11).

(galactography)

(5,

11).

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mammary duct ectasia - periductal mastitis complex

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## Mammographic and Sonographic Findings of Periductal Mastitis : A Case Report<sup>1</sup>

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Periductal mastitis arises from major ducts. Radiographic reports describing the phases of duct ectasia and secretory calcifications, have been published, but descriptions of the phases of periductal mastitis are rare. We report the mammographic and ultrasonographic findings of periductal mastitis in a 30-year-old woman who presented with a breast lump.

**Index words :** Breast, abnormalities  
Breast, diseases  
Breast, US

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