



(Mucocele - like tumor)

가

1

(Figs. 1A and B).

(1). 1986

3 cm
(microlobulation)

3.1 cm

10

Rosen

(echogenic halo)

(1, 2).

(Fig. 1C).

12

(ductal carcinoma in

2 cm

2.1

situ)

(Fig. 1D).

가

가 (3, 4).

10

12

46

가

positron - emission tomography (PET)

10%

(milk of calcium)

가

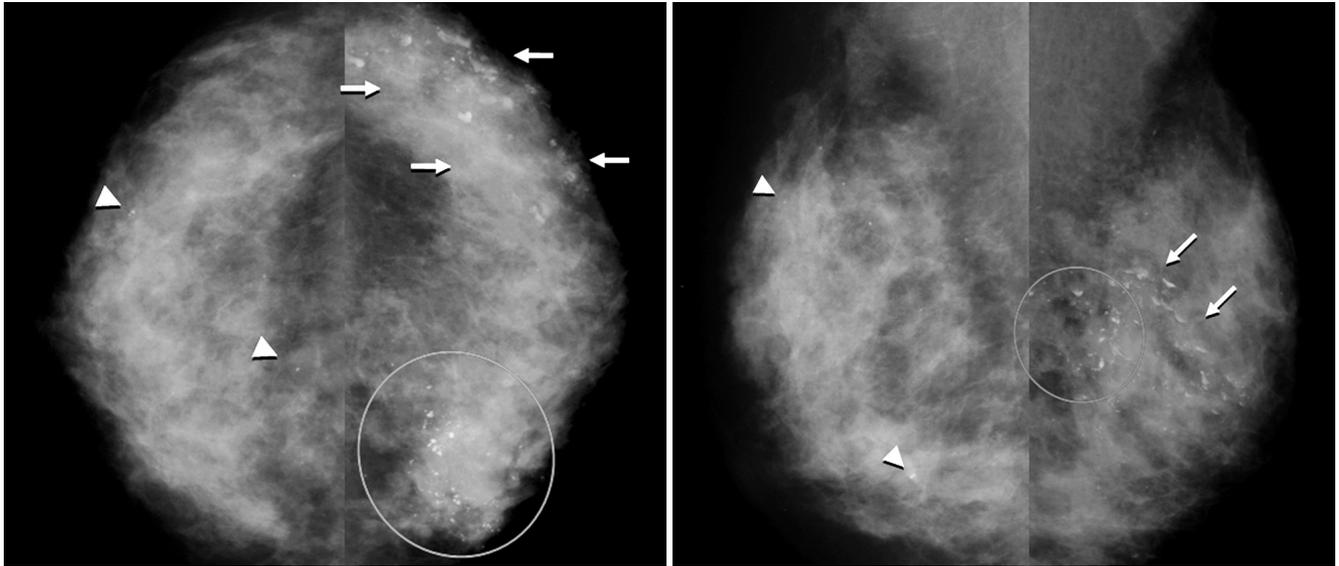
(Figs. 1A and B).

(Fig. 1E).

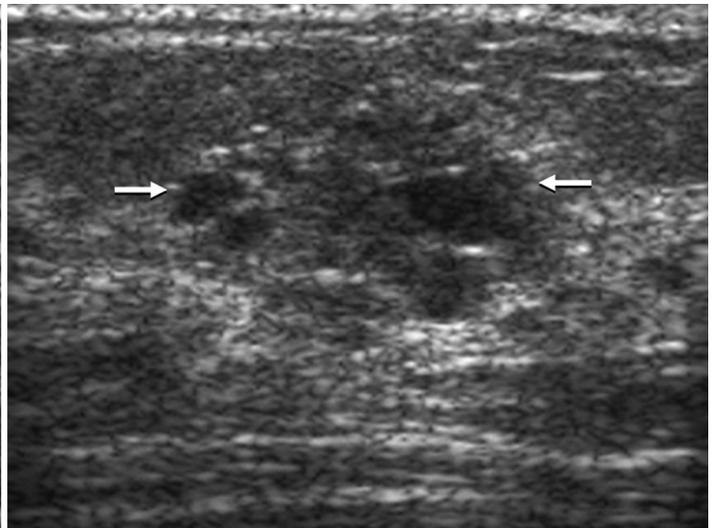
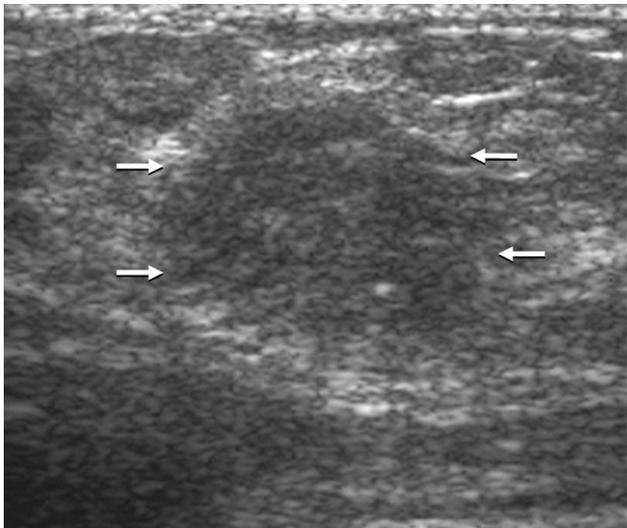
, P53 C-erb-B2

1

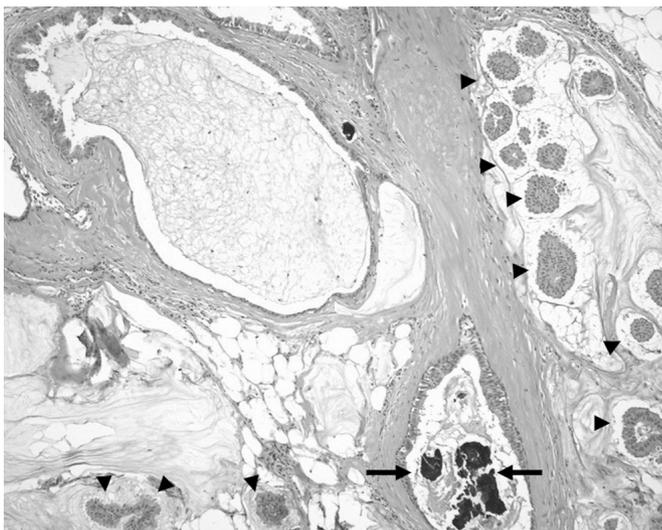
2



A **B**



C **D**



E

Fig. 1. A 46-year-old woman with mucoccele-like tumor and ductal carcinoma in situ (DCIS) in the whole right breast and mucoccele-like tumor, DCIS and mucinous carcinoma in the left breast. **A and B.** Bilateral mammography reveals segmentally distributed milk of calcium calcifications (arrows) in lower outer quadrant and a mass with round and amorphous calcifications (circle) in upper inner quadrant of left breast. There are round and punctuate microcalcifications (arrowheads) with random distribution in the right breast. **C.** Sonography shows an about 3 cm-sized microlobulated irregular hypoechoic nodule with echogenic halo and posterior acoustic enhancement in left breast. Pathology reveals mucinous carcinoma. **D.** Sonography shows an about 2 cm-sized septated cystic lesion with solid nodule in right breast. Pathology reveals mucoccele-like tumor and DCIS. **E.** Microscopic slide of left breast (H and E, $\times 100$) demonstrated mucoccele-like tumor associated with ductal carcinoma in situ and invasive mucinous carcinoma (arrows) (arrowheads, microcalcifications in mucoccele-like tumor).

가 (3). , (2, 3, 6). 40 (typical or atypical ductal hyperplasia) (2- (6). 5). Hamele - Bena (2) 53 (2, 5, 10). , 25 , 28 , 14 (cribriform) (2). (micropapillary) , 14 , 5 (2, 10). (3, 4). , Glazebrook Reynolds (6) 6 가 1 가 . (2, 5, 6). Hamele - Bena (2) 53 19 50%, 82%가 가 46%, 71% 가 Glazebrook Reynolds (6) Kim (7) (cluster) (complex cystic lesion) 가 , 가 14% 가 (8, 9). Glazebrook Reynolds (6) Kim (7)

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Bilateral Mucocele-like Tumors of the Breast Associated with Ductal Carcinoma In Situ and Mucinous Carcinoma: A Case Report¹

Jeong-Hee Sohn, M.D., Hak Hee Kim, M.D., Hee Jung Shin, M.D., Mi-Jung Kim, M.D.²,
Mun Hee Baek, M.D., Dae Bong Kim, M.D.

¹Department of Radiology, Asan Medical Center, University of Ulsan, College of Medicine

²Department of Pathology, Asan Medical Center, University of Ulsan, College of Medicine

Mucocele-like tumor of the breast is a rare neoplasm and only a few cases of mucocele-like tumor have been reported on in Korea. These lesions were originally considered as being benign when they were first described, but now it is believed they can be both malignant and benign, and it is even possible that they are early lesions of mucinous carcinoma. We describe here both the mammographic and sonographic findings in a patient with bilateral mucocele-like tumors that were associated with ductal carcinoma in situ and mucinous carcinoma.

Index words : Breast, neoplasms
Breast neoplasms, sonography
Breast neoplasms, mammography

Address reprint requests to : Hak Hee Kim, M.D., Department of Radiology, Asan Medical Center, University of Ulsan, College of Medicine,
388-1 Poongnap-dong, Songpa-gu, Seoul 138-736, Korea.
Tel. 82-2-3010-4390 Fax. 82-2-476-0090 E-mail: hhkim@amc.seoul.kr