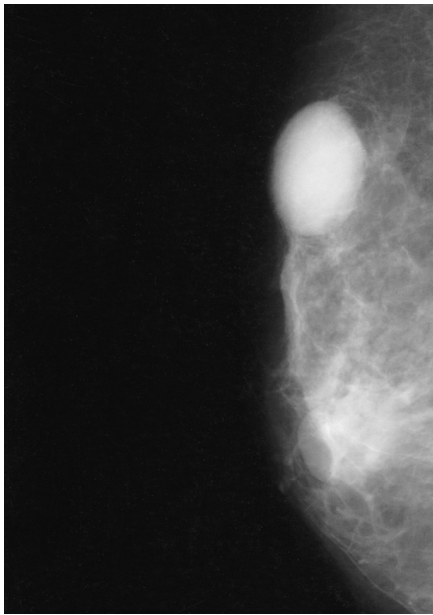
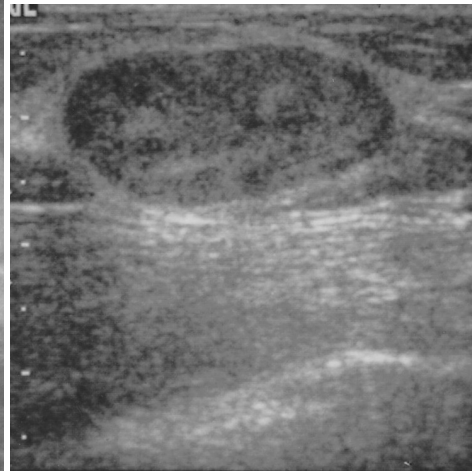


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가 . 44 1
가 1987 Wargotz “ ” 3×3.5 cm
(1 - 4).
(5).
(Fig. 1C).
44 가 ,
CD 34
S - 100 , h - (caldesmon)
(Fig. 1D).

44 가
3 cm
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(2, 4 - 6).
가 ,
(Fig. 1B).



A



B

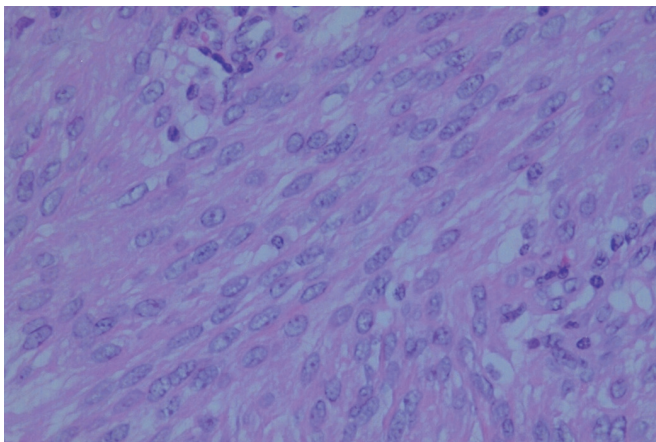
Fig. 1. A 44-year-old woman with myofibroblastoma in the left breast mimicking fibroadenoma.

A. Mediolateral oblique mammogram shows an about 3 cm, round hyperdense mass with a well-circumscribed margin in the upper breast. There is no intra-tumoral calcification.

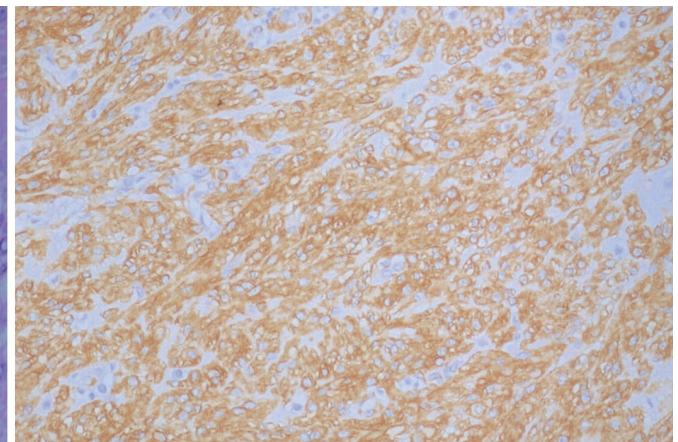
B. Transverse sonogram shows a well-defined, inhomogeneous, hypoechoic mass with posterior sonic enhancement in the superficial parenchyma of the breast.

C. Tumor cells have spindle-shaped or oval nuclei and ill-defined cytoplasm with collagenous stroma (Hematoxylin and eosin, original magnification, $\times 200$).

D. Tumor cells show diffuse immunoreactivity for actin ($\times 400$).



C



D

h- 가
(2, 4, 5, 7). 4 가 (1,
cm 가 0.9 cm 10 cm 4).
(2, 4, 5, 7). (8).
(4, 5). 가 가 1
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1. Fukunaga M, Ushigome S. Myofibroblastoma of the breast with diverse differentiations. *Arch Pathol Lab Med* 1997;121:599-603
2. . . . : 1
1996;30:623-629
3. Lazaro-Santander R, Garcia-Prats MD, Nieto S, Andres-Gozalvo C, Cortes-Vizcaino V, Vargas-Holguin S, et al. Myofibroblastoma of the breast with diverse histological features. *Virchows Arch* 1999;434:547-550
4. Rosen PP. Rosen's breast pathology, second edition. Philadelphia: Lippincott Williams & Wilkins. 2001:766-774
5. Greenberg JS, Kaplan SS, Grady C. Myofibroblastoma of the breast in women: imaging appearances. *AJR Am J Roentgenol* 1998;171:71-72
6. Thomas TM, Myint A, Mak CK, Chan JK. Mammary myofibroblastoma with leiomyomatous differentiation. *Am J Clin Pathol* 1997;107:52-55
7. Ali S, Teichberg S, DeRisi DC, Urmacher C. Giant myofibroblastoma of the male breast. *Am J Surg Pathol* 1994;18:1170-1176
8. Dockery WD, Singh HR, Wiletz RE. Myofibroblastoma of the male breast: imaging appearance and ultrasound-guided core biopsy diagnosis. *Breast J* 2001;7:192-194

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US and Mammographic Findings of Myofibroblastoma in the Female Breast: A Case Report¹

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Myofibroblastoma is a rare benign mesenchymal tumor of the breast. It presents as a well circumscribed, solitary nodular mass, and it has been reported to mainly occur in male patients. To our knowledge, few reports have described the radiologic appearance of myofibroblastoma in the female breast and there has been no report from Korea. We describe the mammographic, sonographic and histologic findings of a case of myofibroblastoma that presented as a well defined mass mimicking fibroadenoma in a 44-year-old woman.

Index words : Breast, neoplasms
Breast, myofibroblastoma

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