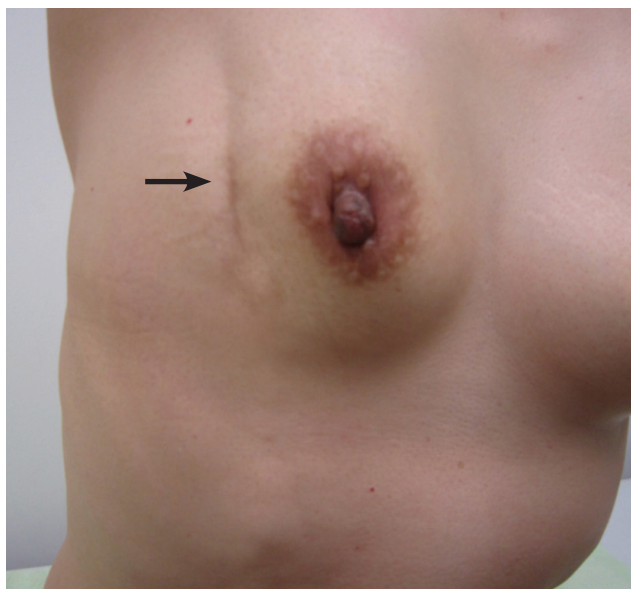


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# Mondor disease of the breast



**Figure 1.** Anterolateral thoracoabdominal wall showing the vertical cord and groove (arrow) on the outer half of the right breast while stretching the right arm upward.

A 43-YEAR-OLD WOMAN PRESENTED to the outpatient breast clinic with a 2-week history of pain and skin tightness over the right breast. She had no history of breast-related surgeries or trauma and was not on any regular medication. Physical examination revealed a subcutaneous cord-like, fibrous, tender lesion running diagonally from the upper outer quadrant of the right breast to the right flank, causing skin retraction and a groove over the outer half of the right breast when the right arm was stretched upward (**Figure 1**).

Doppler ultrasonography revealed a noncompressible, dilated, subcutaneous vein without flow, supporting the diagnosis of Mondor disease of the breast, which commonly presents superficially in the lateral part of the breast. Mammography revealed no abnormality.

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**Figure 2.** The skin lesion and tenderness resolved within 4 weeks, and relapse had not occurred at 6-month follow-up.

The lesion and pain resolved within 4 weeks of presentation without medication, and 6-months follow-up showed no recurrence (**Figure 2**).

## MONDOR DISEASE OF THE BREAST

Mondor disease of the breast is a benign clinical condition characterized by thrombophlebitis of the superficial veins of the anterolateral thoracoabdominal wall, occurring most commonly in women in the third to fifth decades,<sup>1,2</sup> with incidence ranging from 0.08% to 0.94% in breast studies in Greece, Ghana, and China.<sup>2-5</sup> Diagnosis is usually based on history and physical examination and can be ultrasonographically confirmed.<sup>1</sup> In 45% of cases, primary Mondor disease of the chest wall is idiopathic. Secondary Mondor disease involves predisposing or underlying factors,

the most common causes being traumatic (22%) and iatrogenic (20%).<sup>1</sup>

Although association with breast cancer is less frequent (5%),<sup>1</sup> Mondor disease can occasionally be caused by breast cancer (11.7%)<sup>6</sup> and does not rule out the presence of a tumor. Therefore, a thorough breast evaluation including diagnostic imaging is recommended.<sup>1,6,7</sup> In addition to local manifestations, concomitant symptoms such as fever and malaise should be considered to rule out the possibility of underlying systemic inflammatory disease.<sup>1,8</sup>

Mondor disease of the breast is typically a self-limiting condition, with spontaneous resolution in 4 to 8 weeks.<sup>1</sup> Pain may be managed with anti-inflammatory and analgesic drugs.<sup>1,8</sup> It is important for the clinician to recognize this condition, provide reassurance, and avoid unnecessary investigation.

## DISCLOSURES

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