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Leiomyosarcoma of the breast; are you sure of the diagnosis?

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Sarcoma of the breast is a rare condition. The biological differences from other primary breast tumours necessitate a corresponding difference in approach to diagnostic and management strategies. The rarity of the condition has made clinicopathological study difficult. We report a case of primary leiomyosarcoma in a 40-yr-old-female, with a 15×9 cm bosselated swelling, involving all four quadrants of the left breast. Her clinical features, sonography and trucut biopsy were compatible with cystosarcoma phylloides and she underwent a left mastectomy for the same. Later, the histological and immunohistochemical studies established the diagnosis of leiomyosarcoma Grade 2 (strongly positive for vimentin, SMA and focally positive for beta-catenin). Given the differential for such a presentation, we emphasize the workup for a patient presenting with similar characteristics should be thorough. Following a simple excision with free margins, a histology examination with the appropriate immunohistochemistry is indispensable for an accurate diagnosis.

Biography

Ashwini Kannamma K has completed her MBBS from Mahatma Gandhi Medical College, and is doing her Master of Surgery from Sri Ramachandra Medical College, India.

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