Missouri Dermatological Society Case of the Month

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Abstract

A 99-year-old Caucasian female was referred for treatment of a painless, large tumor on her left medial canthus. Ophthalmic history was unremarkable, and there was no antecedent trauma or radiation. It had been growing slowly for one year, followed by rapid growth after a superficial biopsy by her outside dermatologist. At the consultation, the patient had an 8.0 cm x 7.8 cm exophytic, pedunculated, ulcerated tumor of the left medial canthus. It was firm, non-pulsatile, and fixed to the underlying tissue. Pathology showed spindled, oval, and polygonal cells with pleomorphic and polymorphic nuclei. Many multinuclear giant cells and mitotic figures were also noted. The tumor was highlighted with CD10, showed focal positivity with actin, desmin, and CD68, and had increased Ki67 immunohistochemical staining. The tumor was negative for pancytokeratin, CK5/6, p63, MART-1/MelanA, S100, Sox10, p40, and CD34, and CD23. Clear margins were obtained after three staged excisions, with the defect extending to bone. Based on clinicopathologic correlation, the diagnosis of pleomorphic dermal sarcoma (PDS) was made.