

131. Hager C, Cohen P. Cutaneous lesions of metastatic visceral malignancy mimicking pyogenic granuloma. *Cancer Invest*. 1999;17:385-390.
132. Pickard C, Callen J, Blumenreich M. Metastatic carcinoma of the breast. An unusual presentation mimicking cutaneous vasculitis. *Cancer*. 1987;59:1184-1186.
133. Dubreuil A, Domp Martin A, Barjot P, et al. Umbilical metastasis or Sister Mary Joseph's nodule. *Int J Dermatol*. 1998;37:7-13.
134. Singh G, Mohan M, Srinivas C, et al. Targetoid cutaneous metastasis from breast carcinoma. *Indian J Dermatol Venereol Leprol*. 2002;68:51.
135. Zucchi A, Aimi F, Cardis A. Unusual form of cutaneous infiltration by cancer. *Acta Biomedica*. 2012;83:51-52.
136. Inoue H, Kawada A, Takasu H, et al. Cathepsin D expression in skin metastasis of breast cancer. *J Cutan Pathol*. 1998;25:365-369.
137. Bittencourt M, Carvalho A, Nascimento B, et al. Cutaneous metastasis of a breast cancer diagnosed 13 years before. *An Bras Dermatol*. 2015;90:134-137.
138. Spratt D, Spratt E, Wu S, et al. Efficacy of skin-directed therapy for cutaneous metastases from advanced cancer: a meta-analysis. *J Clin Oncol*. 2014;32:3144.
139. Meyn M. Ataxia-telangiectasia, cancer and the pathobiology of the ATM gene. *Clin Genet*. 1999;55:289-304.
140. National Cancer Institute website. Ataxia telangiectasia. Available at: <https://www.cancer.gov/about-cancer/causes-prevention/genetics/ataxia-fact-sheet>. Accessed January 31, 2019.
141. Swift M, Morrell D, Massey R, et al. Incidence of cancer in 161 families affected by ataxia-telangiectasia. *N Engl J Med*. 1991;325:1831-1836.
142. Longy M, Lacombe D. Cowden disease. Report of a family and review. *Ann Genet*. 1996;39:35-42.
143. Starink T, van der Veen J, Arwert F, et al. The Cowden syndrome: a clinical and genetic study in 21 patients. *Clin Genet*. 1986;29:222-233.
144. Fackenthal JD, Marsh DJ, Richardson AL, et al. Male breast cancer in Cowden syndrome patients with germline PTEN mutations. *J Med Genet*. 2001;38:159-164.
145. Pilarski R. Cowden syndrome: a critical review of the clinical literature. *J Genet Couns*. 2009;18:13-27.
146. Molvi M, Sharma Y, Dash K. Cowden syndrome: case report, update and proposed diagnostic and surveillance routines. *Indian J Dermatol*. 2015;60:255-259.
147. Starink T. Cowden's disease: analysis of fourteen new cases. *J Am Acad Dermatol*. 1984;11:1127-1141.
148. Sanz MM, German M, Cunniff C. *Bloom's Syndrome*. GeneReviews. Seattle, WA: University of Washington; 2006. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK1398/>. Accessed January 31, 2019.
149. Wirtenberger M, Frank B, Hemminki K, et al. Interaction of Werner and Bloom syndrome genes with p53 in familial breast cancer. *Carcinogenesis*. 2006;27:1655-1660.
150. Giardiello F, Brensinger J, Tersmette A, et al. Very high risk of cancer in familial Peutz-Jeghers syndrome. *Gastroenterology*. 2000;119:1447-1453.
151. Witmanowski H, Szychta P, Błochowiak K, et al. Basal cell nevus syndrome (Gorlin-Goltz syndrome): genetic predisposition, clinical picture and treatment. *Adv Dermatol Allergol*. 2017;34:381-387.
152. Bénard J, Béron-Gaillard N, Satgé D. Down's syndrome protects against breast cancer: is a constitutional cell microenvironment the key? *Int J Cancer*. 2005;113:168-170.
153. Brinton L. Breast cancer risk among Klinefelter syndrome patients. *Acta Paediatr*. 2011;100:814-818.
154. Singer-Granick C, Reisler T, Granick M. Gynecomastia and Klinefelter syndrome. *Eplasty*. 2015;15:ic61.
155. Bénard J, Béron-Gaillard N, Satgé D. Down's syndrome protects against breast cancer: is a constitutional cell microenvironment the key? *Int J Cancer*. 2005;113:168-170.
156. Dumitrescu C, Collins M. McCune-Albright syndrome. *Orphanet J Rare Dis*. 2008;3:12-23.
157. D'Andrea A. Susceptibility pathways in Fanconi's anemia and breast cancer. *N Engl J Med*. 2010;362:1909-1919.
158. Cohen P, Kohn S, Davis D, et al. Muir-Torre syndrome. *Dermatol Clin*. 1995;13:79-89.
159. Expert Panel on Breast Imaging, Moy L, Heller SL, et al. ACR Appropriateness Criteria® palpable breast masses. *J Am Coll Radiol*. 2017;14(5S):S203-S224.

Answers to CME examination

Identification No. JA0619

June 2019 issue of the Journal of the American Academy of Dermatology.

Waldman RA, Finch J, Grant-Kels JM, Whitaker-Worth D. *J Am Acad Dermatol* 2019;80:1467-81.

1. c
2. e