

Color doppler sonography of merkel cell carcinoma

Catalano, Orlando

Roldán, Fernando Alfageme

di Santolo, Maria Scotto

Solivetti, Francesco Maria

Wortsman, Ximena

© 2017 by the American Institute of Ultrasound in Medicine. We illustrate the color Doppler sonographic findings in primary cutaneous Merkel cell carcinoma. Eight cases (4 female and 4 male; mean age, 75.4 years) were collected. The most common affected regions were the face (63%) and the hip/buttock (25%). The mean transverse diameter and thickness were 21 and 14mm, respectively. Fifty percent were oval, and 50% were dome shaped. All lesions were hypoechoic, with variable degrees of heterogeneity. All but 2 lesions were poorly defined. An acoustic reinforcement artifact was present in 3 and epidermal thickening in 2. All tumors had prominent and chaotic hypervascularity with arterial vessels (mean peak velocity, 11 cm/s; mean resistive index, 0.57).