Synaptophysin
Merkel Cell Carcinoma
Pearls

- Dense blue cellular tumor in the dermis
- Mitotically active
- Nuclear molding
- Stippled “salt and pepper” chromatin
Keratoacanthoma
Pearls

- Crateriform architecture forming an epidermal buttress
- Glassy well differentiated keratinocytes and squamous pearl formation
Morphea
Pearls

- Morphea may sometimes have minimal changes

- Excellent way to establish the diagnosis is to take a biopsy of adjacent non-lesional skin and compare the dermal thickness with lesional skin, which should be markedly decreased
Melanoma in Situ, Lentigo Maligna Type
Pearls

- Expansile discohesive nests of pleomorphic melanocytes
- Asymmetric
- Epidermal thinning on sun damaged skin
Spitz Nevus, Junctional Type
Pearls

- Circumscribed and symmetric along DE junction
- Expansile nests of spindled and epithelioid melanocytes
- May show clefting above nests
- Streaming pattern of melanocytes within nests
- Kamino bodies