

# Tumors of Fibrous Tissue Involving the Skin

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# Immunohistochemical stains helpful in distinguishing:

Stain	DF	DFSP
CD34		
Factor 13a		
bcl-2		
Tenascin		
CD44		

# Answers

Stain	DF	DFSP
CD34		+
Factor 13a	+	
bcl-2		+
Tenascin	+ (at DEJ)	
CD44	+	

# Risk of Metastases?

Disease	Low Risk	High Risk
Atypical fibroxanthoma		
Epithelioid sarcoma		
Cellular dermatofibroma		
DFSP		
Malignant fibrous histiocytoma		

# Answers

Disease	Low Risk	High Risk
Atypical fibroxanthoma	+	
Epithelioid sarcoma		+
Cellular dermatofibroma	+	
DFSP	+	
Malignant fibrous histiocytoma		+

# Pertinent histopathological differential diagnostic considerations for epithelioid sarcoma include:

- Basal cell carcinoma, nodular type
- Malignant extrarenal rhabdoid tumor
- Granuloma annulare
- Amelanotic melanoma
- Epithelioma of Bordst-Jadosshn

May have more than one answer.

# Answers

- Malignant extrarenal rhabdoid tumor
- Granuloma annulare
- Amelanotic melanoma

# Key Associations:

Disease	Histopathology
PNET	t(X,18)(p11;q11)
Infantile Digital Fibromatosis	Birt-Hogg-Dube syndrome
Trichodiscoma	Eosinophilic cytoplasmic inclusion bodies
Synovial sarcoma	MIC2 gene overexpression
Sclerotic fibroma	Eosinophilic cytoplasmic inclusion bodies



# Answers

Disease	Histopathology
PNET	MIC2 gene overexpression
Infantile Digital Fibromatosis	Eosinophilic cytoplasmic inclusion bodies
Trichodiscoma	Birt-Hogg-Dube syndrome
Synovial sarcoma	t(X,18)(p11;q11)
Sclerotic fibroma	Cowden's syndrome