

TABLE 1 CLASSIFICATION AND NATURAL HISTORY OF BENIGN SOFT TISSUE TUMORS									
	Aver- age Age	Sex Preva- lence	Most Common Site	Most Common Presen- tation	Occurrence	Aver- age Size (cm)	Histologic Pattern	Recurrence	Other
Benign Undifferentiated Connective Tissue Tumors									
Benign fibroblastic fibrous histiocytoma	35	M	Extremities	Cutaneous	Common	0.5	Arranged	None	
Benign histiocytic fibrous histiocytoma	35	M	Arm and thigh	Superficial tissues	Uncommon	2	Epithelioid	Uncommon	May progress to cancer
Benign pleomorphic fibrous histiocytoma	45	M	Arm and thigh	Subcutaneous	Common	1	Disarranged	Uncommon	Can be multifocal
Benign Muscle Tumors									
Leiomyoma	50	F	Leg	Superficial	Rare	2.5	Spreading	Rare	Can be multiple
Leiomyomatosis	30	F	Abdomen	Deep	Rare	Multiple	Spreading	Common	Multiple and commonly associated with pregnancy
Rhabdomyoma	40	M	Head and neck	Superficial	Rare	2	Epithelioid	Uncommon	Can be multinodular
Benign Tendosynovial Tissue Tumors									
Tendosynovial fibroma	50	M	Joints	Deep	Uncommon	1.5	Spreading	Uncommon	
Tendosynovial lipoma	50	M	Tendon	Deep	Uncommon	2	Lacy	Uncommon	Can be multifocal
Benign histiocytic fibrous histiocytoma	25	M	Head and knee	Deep	Common	2	Epithelioid	Common	May cause erosion of bone and may progress to cancer

TABLE 1 (continued)									
	Aver- age Age	Sex Preva- lence	Most Common Site	Most Common Presen- tation	Occurrence	Aver- age Size Size (cm)	Histologic Pattern	Recurrence	Other
Benign Adipose Tissue Tumors									
Well-differentiated lipoma	50	F	Shoulder and back	Subcutis	Very common	4	Lacy	Uncommon	Can be multiple
Myxoid lipoma	45	M	Retroperi- toneum and thigh	Deep	Common	7	Lacy	Common	Infiltrative
Fibroblastic lipoma	50	M	Shoulder and posterior neck	Deep	Uncommon	3	Lacy and arranged	Uncommon	
Lipoblastoma	2	M	Extremities	Subcutis	Rare	2	Lacy	Very rare	
Pleomorphic lipoma	55	M	Shoulder and posterior neck	Subcutis	Uncommon	4	Lacy and disarranged	Common	May progress to cancer
Angiolipoma	35	F	Trunk and distal extremities	Subcutis	Uncommon	2.5	Lacy and alveolar	Very common	
Angiomyolipoma	50	F	Kidney and retroperi- toneum	Deep	Uncommon	2.5	Lacy and disarranged	Very rare	
Myelolipoma	50	M	Adrenal	Deep	Uncommon	2.5	Lacy	Very rare	Blood dyscrasias
Hibernoma	45	M	Posterior neck and back	Deep	Uncommon	3	Lacy and alveolar	Rare	

Sclerosing fibroma	50	M	Extremities	Subcutaneous	Uncommon	0.5	Spreading	Uncommon	
Dermatofibroma	35	M	Extremities and trunk	Cutaneous	Uncommon	1	Spreading	Uncommon	
Xanthofibroma	50	M	Extremities	Subcutaneous	Uncommon	1	Disarranged	Very rare	Can be multifocal
Hemangioma	20	F	Trunk	Superficial	Uncommon	0.5	Alveolar	Uncommon	Can be multiple
Hypertrophic hemangioma	10	F	Leg and trunk	Superficial	Uncommon	1	Alveolar	Common	Can be deep
Hemangiomatosis	2	F	Trunk and extremities	Superficial	Rare	Multiple	Alveolar	Common	Associated with multiple maldevelopment
Papillary endothelial hyperplasia	35	F	Head and neck	Subcutis	Rare	1	Alveolar	Rare	
Hemangioblastoma	15	F	Cerebellum		Very rare	2	Alveolar	Rare	
Angiofibroma	10	M	Nasopharynx	Superficial and polypoid	Rare	2.5	Alveolar and spreading	Common	Often associated with nasal bleeding
Angiomyoma	30	F	Leg	Deep	Rare	2	Alveolar and spreading	Rare	
Benign glomus tumor	30	F	Extremities and nail bed	Superficial	Rare	1	Epithelioid	Rare	Can be multiple
Lymphangioma	50	F	Head and retro-peritoneum	Deep	Rare	Multiple	Alveolar	Common	Also seen in infants
Lymphangiomyoma	25	F	Thigh and abdomen	Deep	Rare	Multiple	Alveolar and Spreading	Common	Can be progressive

TABLE 1 (continued)									
	Aver- age Age	Sex Preva- lence	Most Common Site	Most Common Presen- tation	Occurrence	Aver- age Size (cm)	Histologic Pattern	Recurrence	Other
Benign Tumors of Peripheral Nerves									
Neurofibroma	30	F	Trunk and arm	Superficial	Rare	2.5	Spreading	Common	Can be multiple
Neurofibromatosis	35	F	Trunk, head and neck	Cutaneous	Rare	Multiple	Spreading	Very common	Hereditary and often found in association with café-au-lait spots. May progress to neurofibrosarcoma
Benign schwannoma	35	M	Head and neck, trunk	Deep	Rare	2.5	Spreading	Common	
Extraskeletal Benign Bone Tumors									
Chondroma	35	M	Head and neck	Deep	Rare	2	Epithelioid	Common	May transform to chondrosarcoma
Osteoma	25	F	Anywhere, including tongue	Deep	Rare	1.5	Disarranged	Rare	
Miscellaneous Benign Soft Tissue Tumors									
Benign granular cell tumor	35	F	Head and neck, tongue	Superficial	Common	1	Epithelioid	Rare	Can be multifocal and malignant forms exist
Benign cystosarcoma phylloides	30	F	Breast	Deep	Rare	4	Spreading	Common	Malignant transformation rare