

1. *Introduction: Tumor Classification and Immunohistochemistry*
2. *Biologic Potential, Grading, Staging, and Reporting of Sarcomas*
3. *Spindle Cell Tumors of Adults*
4. *Pediatric Spindle Cell Tumors*
5. *Tumors with Myxoid Stroma*
6. *Epithelioid and Epithelial-like Tumors*
7. *Pleomorphic Sarcomas*
8. *Round Cell Tumors*
9. *Biphasic Tumors and Tumors with Mixed Patterns*
10. *Soft Tissue Tumors with Prominent Inflammatory Cells*
11. *Giant Cell-Rich Tumors*
12. *Adipocytic Tumors*
13. *Vascular Tumors*
14. *Cartilaginous and Osseous Soft Tissue Tumors*
15. *Cutaneous Mesenchymal Tumors*
16. *Mesenchymal Tumors of the Gastrointestinal Tract*
17. *Lower Genital Soft Tissue Tumors*
18. *Applications of Molecular Testing to Differential Diagnosis*