

Tissue Transfer — Medical Knowledge				
Level 1	Level 2	Level 3	Level 4	Level 5
<ul style="list-style-type: none"> <li>Understands the physiology and pathophysiology of grafts, flaps, tissue expansions, and microvascular transfers</li> <li>Understands basic surgical anatomy of grafts, flaps, tissue expansion, and microvascular transfers</li> </ul>	<ul style="list-style-type: none"> <li>Understands the basic surgical treatments for soft tissue defects, and draws basic types of flaps (e.g. adjacent tissue transfer, axial and perforator flaps)</li> <li>Demonstrates knowledge of surgical instrumentation, devices and suture materials used in tissue transfer</li> </ul>	<ul style="list-style-type: none"> <li>Understands the anatomy and indications for options in tissue transfer, and lists potential treatment options for various defects</li> <li>Understands surgical principles of treatment options for complicated wounds; understands complex tissue transfer procedures, (e.g., composite microvascular transfers, nerve repair and grafting)</li> </ul>	<ul style="list-style-type: none"> <li>Independently analyzes and selects treatment options for soft tissue defects</li> <li>Understands alternatives following complications</li> </ul>	<ul style="list-style-type: none"> <li>Systematically reviews tissue transfer options and publishes in peer-reviewed journals</li> <li>Understands the principles of tissue engineering</li> </ul>
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Tissue Transfer — Patient Care				
Level 1	Level 2	Level 3	Level 4	Level 5
<ul style="list-style-type: none"> <li>• Performs history and physical examination of patients with simple and complex reconstructive problems</li> <li>• Independently performs dressing changes, negative pressure wound therapy, and uses topicals; assists with complex wound care</li> <li>• Provides routine post-operative care for patients with complex wounds requiring loco-regional tissue transfer</li> </ul>	<ul style="list-style-type: none"> <li>• Explains risks and benefits, and obtains consent for flaps, grafts, and complex wound care options.</li> <li>• Performs routine procedures (e.g., debridement, complex closures, split and full thickness skin grafts, adjacent tissue transfers, bone graft harvesting) with assistance; performs microsurgical repairs in a simulated environment</li> <li>• Provides post-operative care with assistance for microvascular tissue transfer, and recognizes complications (e.g., dehiscence, infection, flap compromise)</li> </ul>	<ul style="list-style-type: none"> <li>• Formulates a treatment plan (risk/benefits, options/alternatives) with assistance for complex reconstructive surgery</li> <li>• Independently performs routine procedures; performs complex procedures (e.g., microvascular tissue transfers, nerve repairs, and grafting) with assistance</li> <li>• Manages complications with assistance</li> </ul>	<ul style="list-style-type: none"> <li>• Independently formulates a treatment plan for complex reconstructive surgery in patients with comorbidities and previous surgeries</li> <li>• Independently performs complex procedures</li> <li>• Independently manages complex complications (e.g., microvascular flap compromises, loco-regional tissue transfer failures); manages secondary deformities</li> </ul>	<ul style="list-style-type: none"> <li>• Leads surgical team through complex composite tissue reconstruction</li> <li>• Performs prefabricated composite tissue transfer</li> <li>• Performs vascularized composite allotransplantation</li> </ul>
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