

Congenital — Medical Knowledge				
Level 1	Level 2	Level 3	Level 4	Level 5 - Advanced
<ul style="list-style-type: none"> <li>• Understands the embryology of the upper limb</li> <li>• Recognizes routine congenital hand differences (syndactyly, polydactyly, longitudinal deficiencies)</li> </ul>	<ul style="list-style-type: none"> <li>• Understands the classifications of upper extremity congenital differences (e.g., polydactyly, syndactyly, transverse and longitudinal deficiencies)</li> <li>• Demonstrates knowledge of associated medical conditions (thrombocytopenia absent radius, Fanconi’s anemia, vertebral anomalies, anal atresia, cardiovascular anomalies, tracheoesophageal fistula, renal and/or radial anomalies, limb defects [VACTERAL])</li> </ul>	<ul style="list-style-type: none"> <li>• Understands non-operative treatment for congenital conditions (e.g., splinting for radial longitudinal deficiency or camptodactyly)</li> <li>• Understands the principles of the surgical treatment of common congenital hand differences</li> <li>• Develops surgical treatment plan for thumb hypoplasia (e.g., first web space deepening, opponensplasty and ulnar collateral ligament [UCL] reconstruction)</li> <li>• Develops treatment plan for pollicization, including timing and post-operative management</li> </ul>	<ul style="list-style-type: none"> <li>• Understands adverse surgical sequelae following hand reconstruction (e.g., web creep, joint instability, tendon imbalance, growth arrest )</li> <li>• Demonstrates understanding of treatment for symbrachydactyly/ polysyndactyly (e.g., Poland syndrome)</li> <li>• Understands the principles of distraction lengthening</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrates understanding of diagnosis and indications for treatment for complex congenital hand differences (e.g., mirror hand, microvascular toe transfer)</li> <li>• Publishes research findings on this topic in the literature</li> </ul>
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<b>Comments:</b>				

Congenital — Patient Care				
Level 1	Level 2	Level 3	Level 4	Level 5
<ul style="list-style-type: none"> <li>Obtains history and performs basic physical examination</li> <li>Provides basic post-operative management and splinting</li> </ul>	<ul style="list-style-type: none"> <li>Obtains focused history and performs focused physical examination</li> <li>Interprets imaging studies</li> <li>Recognizes surgical indications</li> <li>Prescribes appropriate non-operative management, splinting</li> <li>Identifies potential post-operative complications</li> <li>Performs congenital trigger thumb release</li> </ul>	<ul style="list-style-type: none"> <li>Performs excision of polydactylous digit without need for joint reconstruction</li> <li>Performs uncomplicated congenital reconstructions (e.g., simple syndactyly repair with skin flaps and grafts, constriction band release)</li> <li>Develops treatment plans for complex syndactyly, including nail fold and osseous reconstruction</li> </ul>	<ul style="list-style-type: none"> <li>Designs incision and performs procedures for congenital conditions (e.g., excision and reconstruction of Wassel 2-6 thumb, syndactyly release, 4 flap Z-plasty and reconstruction of ulnar collateral ligament for hypoplastic thumb, osteotomies)</li> </ul>	<ul style="list-style-type: none"> <li>Performs complex procedures (e.g., pollicization, macrodactyly debulking)</li> </ul>
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<b>Comments:</b>				