

Goal	Module #	Assessment Information
<p>Goal 1: Demonstrate knowledge in the following areas in pediatric hand therapy: Primary and secondary conditions relevant evidence to specific evaluation and intervention Practice care guidelines, policies, procedures, and laws This will be accomplished through clinical and academic opportunities during direct patient care, clinic coverage, and coordination/collaboration with other hand and upper extremity professionals</p>	<p>1 Pediatric Hand Therapy Fellowship Orientation</p>	<p>Fellow will be oriented to the CHCO Pediatric Hand Therapy Fellowship program, schedule, program goals, primary and secondary diagnoses, and expectations for the Fellowship year</p>
	<p>2 Normal and Abnormal Development</p>	<p>Primary and Secondary Conditions: Normal Development – Birth to 6 months, 6-12 months, 12-24 months, 24-48 months, 4 years +</p>
	<p>3 Anatomy Review</p>	<p>This module applies to all primary and secondary conditions of the upper limb</p>
	<p>4 Upper Extremity Evaluation</p>	<p>Primary and secondary conditions including but not limited to orthopedic injuries, congenital anomalies, and cerebral palsy</p>
	<p>5 Fabrication of Orthoses and Casts</p>	<p>Fellow will be independent in the evaluation and clinical reasoning to determine the appropriate orthosis or cast needed to address goals and plan of care for the patient with a variety of upper extremity primary and secondary diagnoses</p>
	<p>6 Orthopedic Trauma and Musculoskeletal Injuries Part 1</p>	<p>Primary and secondary conditions include, but not limited to upper extremity fractures, soft tissue injuries and dislocations</p>
	<p>7 Orthopedic Trauma and Musculoskeletal Injuries Part 2</p>	<p>Primary and secondary conditions include but not limited to tendon lacerations, nerve lacerations, and complex trauma (including bone, nerve, tendon, soft tissue, pain)</p>
	<p>8 Burn, Wounds, and Scars</p>	<p>Primary and secondary conditions include, but not limited to pediatric burns, wounds, burn scar contracture, status post full thickness skin grafting, status post-split thickness skin grafting</p>
	<p>9 Epidermyolysis Bullosa</p>	<p>Primary and secondary conditions include, but not limited to functional and upper extremity limitations secondary to Epidermyolysis Bullosa</p>
	<p>10 CP Neuro – UE Surgery and Rehabilitation Techniques</p>	<p>Primary and secondary conditions include, but are not limited to cerebral palsy, hemiplegia, and other neurologically based conditions that present with upper extremity tone</p>

	11 Congenital Anomalies	Primary and secondary conditions include, but not limited to arthrogryposis, syndactyly, camptodactyly, Radial longitudinal deficiency, Hypoplastic thumbs, trigger thumbs, and Apert's syndrome
	12 NICU	Primary and secondary conditions include, but not limited to joint contractures, radial longitudinal deficiency, thumb differences, congenital anomalies, tone management and arthrogryposis in the NICU
	13 Brachial Plexus Injuries	Primary and secondary conditions include but is not limited to Brachial plexus birth palsy, traumatic brachial plexus injuries, Acute Flaccid Myelitis, Sprengel's Deformity, Poland Syndrome, Parsonage Turner syndrome
	14 Surgical Reconstruction of Peripheral Nerve Injuries	Primary and secondary conditions include, but are not limited to upper extremity tendon transfers, nerve transfers, and nerve
	15 Compression Neuropathies, proximal nerve conditions, and UE pain	Primary and secondary conditions include, but not limited to upper extremity compression neuropathies, upper extremity peripheral nerve conditions, and upper extremity pain
	16 Vascular Anomalies	Primary and secondary conditions include, but are not limited to pediatric vascular anomaly conditions of the pediatric upper extremity
	17 Rheumatology	Primary and secondary conditions include, but not limited to autoimmune disorders, JIA, Scleroderma, and Hurler's syndrome
	18 Hypermobility	Primary and secondary conditions include, but not limited to Ehler's Danlos syndrome (EDS) and Postural Orthostatic Tachycardia Syndrome (POTS)
	19 Shoulder	Primary and secondary conditions include, but not limited to tendinopathy, shoulder dyskinesia, and traumatic injury
	20 Upper Extremity Athletes	Primary and secondary conditions include, but not limited to overhead throwing/swinging, swimming, contact sports, gymnasts, winter athletes, rock climbing, and cycling
	21 Special Topics	Primary and secondary conditions include, but not limited to Oncology, Acute Flaccid Myelitis, Focal Hand Dystonia (Musicians)

<p>Goal 2: Independently administer evidenced based occupational therapy assessments and interventions and develop plans of care for patients with various conditions treated in pediatric hand therapy.</p>	<p>1 Pediatric Hand Therapy Fellowship Orientation</p>	<p>Fellow will be oriented to hospital, program, and AOTA policies, procedures, guidelines and expectations via training courses and program handbook</p>
	<p>2 Normal and Abnormal Development</p>	<p>Assessments: Assisting Hand Assessment (AHA) Bayley Scales of Infant and Toddler Hand Assessment for Infants (HAI) Mini Assisting Hand Assessment (Mini AHA) Shriner's Hospital Upper Extremity Evaluation (SHUEE)</p>
	<p>4 Upper Extremity Evaluation</p>	<p>Assessments: Occupational Profile, Self-reported outcome measures, ROM, Strength, Edema, Sensation, UE Neural Tension Testing, Special Tests</p>
	<p>5 Fabrication of Orthoses and Casts</p>	<p>Fellow will be independent in the evaluation and clinical reasoning to determine the appropriate orthosis or cast needed to address goals and plan of care for the patient</p>
	<p>6 Orthopedic Trauma and Musculoskeletal Injuries Part 1</p>	<p>Assessments - Occupational Profile, Self-reported outcome measures, ROM, Strength, Edema, Sensation, UE Neural Tension Testing, Special tests, etc. Interventions - Edema management, soft tissue mobilizations, therapeutic exercise, etc</p>
	<p>7 Orthopedic Trauma and Musculoskeletal Injuries Part 2</p>	<p>Assessments - Occupational Profile, Self-reported outcome measures, ROM, Strength, Edema, Sensation, UE Neural Tension Testing, Special tests, pain etc, Interventions - Edema management, soft tissue mobilizations, therapeutic exercise, wound care, manual therapy, functional use, etc</p>
	<p>8 Burn, Wounds, and Scars</p>	<p>Assesment and Interventions for Burn depths, principles of wound healing, positioning, edema management, therapeutic exercises, debridement, application of dressings, adaptive equipment training, return to school and community/re-integration, scar management including scar massage, passive stretching, education on sun protection, activity adaptation</p>

9 Epidermylosis Bullosa	Assessments - Occupational Profile, Self-reported outcome measures, ROM, Strength, Wounds Interventions - provide adaptive strategies/devices/support to increase independence and quality of living, and assist in family navigation of services, school district therapies as needed
10 CP Neuro – UE Surgery and Rehabilitation Techniques	Assessment and Intervention for Upper extremity tone pre and post surgical procedure (ie tendon transfer, tendon/muscle lengthening, proximal row carpectomy, etc), Understanding surgical protocols, casting and orthoses to gain PROM, positioning, protection, and function, pharmacological interventions and therapeutic
11 Congenital Anomalies	Assessment: Upper Extremity Functional Scale, T-Gap (Thumb, Grasp, and Pinch Assessment), ROM, play based observations, Intervention: Conservative management, pre-post-surgical intervention and rehabilitation and orthosis management
12 NICU	Assessment and Intervention: Infant Orthosis Assessment, General NICU and/or outpatient infant developmental assessment, ROM, Developmental Assessment as appropriate
13 Brachial Plexus Injuries	Assessments and Interventions: Active Movement Scale (AMS), Assisting Hand Assessment (AHA), Passive and active range of motion, manual therapy, neuro re-education, motor control, developmental, play based, strengthening, therapeutic taping, and/or bimanual coordination, Conservative treatment, pre and post- surgical rehabilitation, use of motor
14 Surgical Reconstruction of Peripheral Nerve Injuries	Assessments – Occupational profile, self-reported outcome measures, ROM, strength, edema, Sensation (2-point discrimination, Semmes Weinstein, sharp/dull, etc), special tests, Interventions – ROM, edema management, scar management, desensitization, soft tissue mobilizations, manual therapy, therapeutic exercises, occupational performance

<p>15 Compression Neuropathies, proximal nerve conditions, and UE pain</p>	<p>Assessment to include Assessment of the Upper Quadrant and Upper limb neural tension testing in addition to assessments taught and practiced in previous modules Intervention – Posture awareness, ROM, soft tissue mobilizations, manual therapy, nerve glides, strengthening, desensitization, therapeutic exercise, occupational performance</p>
<p>16 Vascular Anomalies</p>	<p>Assessment of occupational profile, ROM, strength, functional limitations, compression garments</p>
<p>17 Rheumatology</p>	<p>Assessments - Occupational Profile, Self-reported outcome measures, ROM, Strength, Edema, Sensation, Special tests, etc, Interventions – ROM, Edema management, therapeutic exercise, occupational performance, etc</p>
<p>18 Hypermobility</p>	<p>Assessment for hypermobility, ROM, Beighton Scale, etc, Treatment strategies for hypermobility, including postural and core strengthening, therapeutic exercises, therapeutic activities, and home program development, Joint Protection and Energy Conservation</p>
<p>19 Shoulder</p>	<p>Assessments - Occupational Profile, Self-reported outcome measures, ROM, Strength, Edema, Sensation, UE Neural Tension Testing, Special tests, etc, Interventions – ROM, Edema management, soft tissue mobilizations, manual therapy, therapeutic exercise, occupational performance, etc</p>
<p>20 Upper Extremity Athletes</p>	<p>Assessments - Occupational Profile, Self-reported outcome measures, ROM, Strength, Edema, Sensation, UE Neural Tension Testing, Special tests, etc, Return to sport assessments as appropriate, Interventions to decrease pain, facilitate healing and ultimately return the athlete to full participation in their support. Interventions may include therapeutic exercise, therapeutic activities, manual therapy, therapeutic taping, use of modalities, neuro re-education, activity modification, and home program design</p>

	21 Special Topics	Assessments - Occupational Profile, Self-reported outcome measures, posture awareness, ROM, Strength, Edema, Sensation, UE Neural Tension Testing, Special tests, etc, Interventions – ROM, Edema management, soft tissue mobilizations, manual therapy, therapeutic exercise, occupational performance, etc
Goal 3: Demonstrate the highest quality of orthosis fabrication that will lead to meaningful engagement in occupation and increased quality of life.	1 Pediatric Hand Therapy Fellowship Orientation	Fellow will be oriented to the CHCO Pediatric Hand Therapy Fellowship program, schedule, program goals, primary and secondary diagnoses, and expectations for the Fellowship year
	5 Fabrication of Orthoses and Casts	Fellow will demonstrate independence in fabrication of a variety of orthoses and casts to address the goals and plan of care for the patient
	6 Orthopedic Trauma and Musculoskeletal Injuries Part 1	Including but not limited to orthotic design/selection/fitting/fabrication of Finger based orthoses, Hand based orthoses, Forearm based orthoses, Long arm orthoses
	7 Orthopedic Trauma and Musculoskeletal Injuries Part 2	Including but not limited to orthotic design/selection/fitting/fabrication of Dorsal blocking orthosis, Static progressive orthosis, Dynamic orthosis, nerve palsy orthosis
	8 Burn, Wounds, and Scars	Fabrication of hand and upper extremity orthoses, and measurement and fitting of interim and custom compression garments
	9 Epidermyolysis Bullosa	Adaptations activity for nighttime splinting, post-operative dressing changes, compression garments, adaptive tools, techniques (as needed) within specific needs and parameters of EB patients
	10 CP Neuro – UE Surgery and Rehabilitation Techniques	Use serial casting and orthoses (custom and prefabricated Benik and McKee's) for tone management including assessment, clinical reasoning, measurement and or fabrication as appropriate.
	11 Congenital Anomalies	Pre-fabricated orthoses such as Benik and McKie, Custom fabricated such as radial gutter thumb spica, syndactyly orthosis, radial gutter orthosis, Plaster and soft cast, Delta cast, thermoplastic as appropriate

	12 NICU	Identify indications and contra-indications for use of orthoses for the neonate or medically complex infant, Fabricate an orthosis on a neonate or medically complex infant
	13 Brachial Plexus Injuries	High-Five orthosis, SupER Splint, Kinesiotaping techniques, In addition to UE orthoses utilized in previous modules
	14 Surgical Reconstruction of Peripheral Nerve Injuries	Orthoses for High and low Median Nerve injuries, High and low Radial nerve injuries, and High and low Ulnar Nerve injuries
	15 Compression Neuropathies, proximal nerve conditions, and UE pain	Including but not limited to orthotic design/selection/fitting/fabrication of Finger based orthoses, Hand based orthoses, Forearm based orthoses, Long arm orthoses
	16 Vascular Anomalies	Measure and fit compression garments and other upper extremity orthoses as indicated
	17 Rheumatology	Upper extremity orthoses for the elbow, wrist, fingers, thumbs, Silver Ring orthoses, Compression garments
	18 Hypermobility	measurement/fitting of orthoses, ie beniks, silver Ring, UE orthoses for support and function, compression garments
	20 Upper Extremity Athletes	Upper extremity orthoses to facilitate return to sport
	21 Special Topics	Including but not limited to orthotic design/selection/fitting/fabrication of Finger based orthoses, Hand based orthoses, Forearm based orthoses, Long arm orthoses
Goal 4: Identify ethical implications and articulate a process for navigating through client-centered service, fiscal and regulatory opportunities, scope of practice, and best model of care to promote health equity	1 Pediatric Hand Therapy Fellowship Orientation	Fellow will identify ethical and psychosocial implications associated with the delivery of services and articulate a process for navigating throughout the fellowship
	2 Normal and Abnormal Development	Fellow will identify ethical and psychosocial implications associated with the delivery of services and articulate a process for navigating throughout the fellowship
	4 Upper Extremity Evaluation	Ethical billing for evaluations, Evaluations within scope of practice, to be carried out through all patient facing modules
	6 Orthopedic Trauma and Musculoskeletal Injuries Part 1	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors

7 Orthopedic Trauma and Musculoskeletal Injuries Part 2	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
8 Burn, Wounds, and Scars	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
9 Epidermyolosis bullosa	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
10 CP Neuro – UE Surgery and Rehabilitation Techniques	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
11 Congenital Anomalies	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
12 NICU	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
13 Brachial Plexus Injuries	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
14 Surgical Reconstruction of Peripheral Nerve Injuries	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
15 Compression Neuropathies, proximal nerve conditions, and UE pain	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
16 Vascular Anomalies	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
17 Rheumatology	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors

	18 Hypermobility	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
	19 Shoulder	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
	20 Upper Extremity Athletes	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
	21 Special Topics	Fellow will identify ethical and psychosocial implications associated with the delivery of services through the use of weekly reflective logs, journaling template and discussion with mentors
Goal 5: Demonstrate effective communication skills and ability to work well in collaboration with other professionals, patients, families, and community providers to coordinate care for patients with hand and upper extremity needs.	1 Pediatric Hand Therapy Fellowship Orientation	Fellow will complete quarterly Cornerstone modules through CHCO organization
	4 Upper Extremity Evaluation	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care, and communicate with patient, family, and appropriate providers
	5 Fabrication of Orthoses and Casts	Fellow will clearly communicate with patient/family regarding purpose of orthosis, wearing schedule, care and precautions for a variety of upper extremity diagnoses
	6 Orthopedic Trauma and Musculoskeletal Injuries Part 1	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
	7 Orthopedic Trauma and Musculoskeletal Injuries Part 2	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
	8 Burn, Wounds, and Scars	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
	9 Epidermyolysis Bullosa	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers

10 CP Neuro – UE Surgery and Rehabilitation Techniques	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
11 Congenital Anomalies	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
12 NICU	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
13 Brachial Plexus Injuries	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
14 Surgical Reconstruction of Peripheral Nerve Injuries	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
15 Compression Neuropathies, proximal nerve conditions, and UE pain	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
16 Vascular Anomalies	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
17 Rheumatology	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
18 Hypermobility	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
19 Shoulder	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
20 Upper Extremity Athletes	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers

	21 Special Topics	Fellow will successfully interpret subjective and objective data from evaluation to guide plan of care and intervention, and communicate with patient, family, and appropriate providers
Goal 6: Serve as an ambassador to referral sources and community providers by promotion of occupational therapy intervention and health and wellness as it pertains to occupational therapy and specifically to the specialty of pediatric hand therapy.	1 Pediatric Hand Therapy Fellowship Orientation	Fellow will be oriented to hospital, program, and AOTA policies, procedures, guidelines and expectations via training courses and program handbook
	22 Evidence Based Practice, Scholarly and Professional Activities	Fellow will attend monthly hand team meetings
Goal 7: Be prepared to advance the profession of pediatric hand therapy through leadership, evidence-based practice, teaching, research, and generous service.	1 Pediatric Hand Therapy Fellowship Orientation	Fellow will be oriented to hospital, program, and AOTA policies, procedures, guidelines and expectations via training courses and program handbook
	22 Evidence Based Practice, Scholarly and Professional Activities	Fellow will be able to define 5 sequential steps in the process of Evidence Based Practice <input type="checkbox"/>

Fellow will be oriented to the CHCO Pediatric Hand Therapy Fellowship program, schedule, program goals, primary and secondary diagnoses, and expectations for the Fellowship year	

Fellow will be oriented to the CHCO Pediatric Hand Therapy Fellowship program, schedule, program goals, primary and secondary diagnoses, and expectations for the Fellowship year	Fellow will identify adult learning style and review AOTA Fellowship Program Learning Objectives
Fellow will attend/present at a local, regional, or national meeting/conference	Fellow will participate in 2 educational or advocacy activities on diagnosis of their choice to be administered in-house or in the community
Fellow will be oriented to the CHCO Pediatric Hand Therapy Fellowship program, schedule, program goals, primary and secondary diagnoses, and expectations for the Fellowship year	Fellow will identify adult learning style and review AOTA Fellowship Program Learning Objectives
Fellow will complete one AOTA article appraisal form per quarter on article of their choosing	Fellow will lead the hand therapy team in the review of an article in one quarterly journal club

Fellow will participate in at least 1 community service opportunity by the end of the program year		
Fellow will attend monthly hand team meetings	Fellow will attend/present at a local, regional, or national meeting/conference	Fellow will participate in at least 1 community service opportunity by the end of the program year

