Movement System Analysis Framework: Foot and Ankle

Fun	ctiona	al Status and Task Analysis	j	J	Soft t	issue status				
		s not stand					Superficial	Middle	Deep	
	Stan	nds but does not ambulate				Thigh/knee	'		· ·	
		With device (stander or gait trainer)				Medial calf				
		Stands for transfers or other function				Lateral calf				
		Pre-ambulatory				Heel cord				
		pulatory (with or without device)	_							
_						Post Hindfoot				
	_	Stance phase Loading response				Ant Hindfoot				
		☐ Midstance: self-selected shank angle				Midfoot				
		☐ ☐1-Shank angle WFL				Forefoot/digits				
		2-Excessively inclined shank				Corrective force t				
		3-Excessively reclined shank			☐ WB Corrective force test					
		☐ Terminal Stance			Neuromotor and Motor Control Findings					
					☐ Neuromotor MSD					
		☐ Swing phase ☐ Foot clearance		☐ Muscle activation and timing						
						Impaired recruitin	g_			
		Limb positioning at TS (location of Initia	ii contact)			Excessive recruitir	ng			
						Insufficient Force_				
		☐ Transverse and Frontal Plane findings				Insufficient Endur	ance			
_						Insufficient Range				
		elopmental status				Impaired Relaxation				
Musculoskeletal Findings					_	☐ Tonic contrac	rtion			
		red joint physiology due to health condition		-		cal habitual patte				
	Alte	red muscle strength or endurance due to health co	andition I			isistent Motor Pat				
				_		Emerging Motor C				
	Stru	ctural variants		_			.0111101			
		Atypical structure				ice Strategies				
		TC Axis test: TC joint alignment	3			erception and Pain				
		Structural findings:	[_	Senso	ory perception of t	the foot/ankle			
		Coronal Plane Transverse	e Plane			Hyperperceptive_				
		Hip/femur		_		Hypoperceptive				
		Knee/tibia		_	Alter	ed sensory/percep	otion elsewhere	e in the move	ment system	
		Hindfoot								
		Midfoot		_	Pain	In foot/ankle				
		Forefoot				Elsewhere in				
	Fun					ardiopulmonary, I				
	Functional Variants			Neurodevelopmental, Gastrointestinal, Lymphatic System Findings						
		□ DF Stress test, □1-Neutral hindfoot			☐ GERD					
		End feel			□ ASD					
	_	3-Supinated hindfoot			□ Cardiopulomary					
		Joint function			☐ Integumentary					
		Alignment, Joint play, End feel, Arthrokinematics, ROM			Individual Characteristics					
					☐ Sustained alignments based on regular activities					
		Distal tib/fib								
		Talo-crural		J	Partio	cipation interests				
		Subtalar								
		Midtarsals		J	Struc	tural demands of	the regular and	l goal environ	ments	
		Forefoot								
		Digits		J	Patie	nt and family goal	S			
		Altered relative stiffness/flexibility	-							
				J	Enga	gement with thera	apy and orthose	es		
		Altered line of pull of muscles around joints				_				
Key Findings				Susn	ected	Drivers:				
Task Analysis:										
MS:					ting Fa	actors:				
NM:										
Sensory and Pain:					ı. c.					
					is ot Ir	itervention:				
Other Systems:										
Individual:										