BIOMECHANICAL ASSESSMENT & GAIT ANALYSIS

PATIENT NAME : ______ SCAN NUMBER: _____

CHIEF COMPLAINT:

BIOMECHANICAL ASSESSMENT

FOOT (Type or Appearance)	NWB	WB	ANKLE R.O.M.	NWB	WB
High Arch	L / R	L/R	Adequate	L / R	L/R
Medium Arch	L / R	L / R	Limited	L / R	L/R
Low Arch	L/R	L / R			
Important to assess the navicular drop between Non-weight bearing VS.			Ankle equinus issues can affect the secondary symptoms that		
Weight bearing	0 0	patients develop			
Overview of architecture of MLA can be visual or marked in mm			NWB: is there and issue with gastrocnemius tightness or bony end		
differential		ROM			
SUBTALAR JOINT ROM			KNEE POSITION		
Hypermobile	L/	R	Normal	L	/ R
Within Normal Limits	L/	R	Genu Varum	L	/ R
Limited/Restricted	L/	R	Genu Valgum	L	/ R
Moving the subtalar joint to assess t	he range of motio	on in passive, NWB	Tibial Varum	L	/ R
C 3	U	•	The overall angulation of	f the lower extrem	ities
MIDTARSAL JOINT ROM		CALCANEAL POSITION NON-WEIGHT BEARING			
Hypermobile	L / 1	R	Normal	L	
Normal	L / 1	R	Varus	L	/ R
Restricted	L / 1	R	Valgus	L	/ R
Assessing the midtarsal range of motion, passive NWB			The position of the heel, in NWB, Subtalar joint neutral position.		
			This is the "gold standar		
			we are trying to reflect in	n orthotic therapy	
			DIAGNOSIS:		
GAIT ANALYSIS	GAIT ANALYSIS				
			Indicate a diagnosis and	d often insurance	e companies want more
MIDTARSAL FUNCTION AT MIDSTANCE			specific than "pes plant	us"	-
Normal	L /	R	NOTES:		
Pronated	L /	R			
Supinated	L /	R			
During dynamic gait cycle, what is l	happening with th	ne midtarsal joint			
1 st RAY			LEG LENGTH DISCR	EPANCY	
Position			Short By L mm/in	nches R mm/	inches
Plantarflexed	L / 1	R			
Normal	L / 1	R	Functional	St	ructural
Extended	L /	R	Important to note in a bio	omechanical/gait a	assessment.
In NWB, STJ neutral what is position	on of the hallux				
HALLUX Range Of Motion			ANGLE OF GAIT		
Average	L /]		Within Normal Limits	L	
Limitus	L/]		Abducted		/ R
Rigidus	L/]		Adducted	L	
Functional Hallux Limitus	L /]		What is general overall r		
ROM in Hallux important to assess. Affect on plantar aponeurosis			rotation occurring that could impact the torsion of supporting joints		
TOE POSITIONS (could be biomechanical in nature/development)			CALCANEAL POSITION WEIGHT BEARING		
Hallux Abducto Valgus (i.e. Bunion		L / R	Normal		/ R
Claw/ Hammer Toe	L / I		Varus		/ R
Straight (within normal limits)	L / I	ર	Valgus	L	
			The position of the heel	in a relaxed star	ice position. Viewed