

# Biomechanical Information

Name \_\_\_\_\_ Date \_\_\_\_\_ Age \_\_\_\_\_ Weight \_\_\_\_\_

## Range of Motion

	(Left	Right)
Hip (transverse plane)		
Internal _____	[____   ____]	
Neutral Position External _____	[____   ____]	
Total ROM _____	[____   ____]	
Knee (sagittal plane)		
Flexion _____	[____   ____]	
Extension _____	[____   ____]	
(frontal plane)		
Total ROM – knee extended _____	[____   ____]	
(transverse plane)		
Internal _____	[____   ____]	
Neutral Position External _____	[____   ____]	
Total ROM _____	[____   ____]	
Malleolar Torsion _____	[____   ____]	
Ankle		
Dorsiflexion		
Knee extended _____	[____   ____]	
Knee flexed _____	[____   ____]	
Plantarflexion		
Subtalar (frontal plane)		
Inversion _____	[____   ____]	
Eversion _____	[____   ____]	
Midtarsal (frontal plane)		
(1-5) varus _____	[____   ____]	
valgus _____	[____   ____]	
(2-5) varus _____	[____   ____]	
valgus _____	[____   ____]	
Locking mechanism _____	[____   ____]	
First Ray Total ROM		
Dorsiflexed _____	[____   ____]	
Neutral Position Plantarflexed _____	[____   ____]	
First MPJ		
Dorsiflexion _____	[____   ____]	
Plantarflexion _____	[____   ____]	

Remarks: \_\_\_\_\_

## Stance

	(Left	Right)
ASIS (elevated) _____	[____   ____]	
Q-angle _____	[____   ____]	
Tibial position (frontal plane)		
Varum _____	[____   ____]	
Valgum _____	[____   ____]	
Genu Recurvatum _____	[____   ____]	
Calcaneal stance		
Neutral Position Varus _____	[____   ____]	
Valgus _____	[____   ____]	
Relaxed Position Varus _____	[____   ____]	
Valgus _____	[____   ____]	

Remarks: \_\_\_\_\_

## Gait

	(Left	Right)
Head position (tilted toward) _____	[____   ____]	
Shoulder drop _____	[____   ____]	
Arm swing (decreased) _____	[____   ____]	
Hip motion (sagittal plane decreased) _____	[____   ____]	
Knee flexion decreased/increased		
Stance _____	[____   ____]	
Swing _____	[____   ____]	
Knee extension		
Contact _____	[____   ____]	
Heel off _____	[____   ____]	
Patellar position at heel contact		
Internal _____	[____   ____]	
External _____	[____   ____]	
Ankle		
Heel first contact _____	[____   ____]	
Heel off early _____	[____   ____]	
Heel off late _____	[____   ____]	
Calcaneus at heel contact		
Inverted _____	[____   ____]	
Everted _____	[____   ____]	
Motion during stance		
Inversion _____	[____   ____]	
Eversion _____	[____   ____]	
MTJ midstance		
Pronation _____	[____   ____]	
Supination _____	[____   ____]	
Toes		
Extensor substitution _____	[____   ____]	
Flexor substitution _____	[____   ____]	

Remarks: \_\_\_\_\_

## Muscle Strength

	(Left	Right)
Anterior tibial _____	[____   ____]	
Posterior tibial _____	[____   ____]	
Peroneal longus _____	[____   ____]	
Gastrocnemius _____	[____   ____]	
Soleus _____	[____   ____]	
Peroneus brevis _____	[____   ____]	
EDL _____	[____   ____]	
EHL _____	[____   ____]	
EDB _____	[____   ____]	
EHB _____	[____   ____]	
FDL _____	[____   ____]	
FHL _____	[____   ____]	
FHB _____	[____   ____]	
Plantar Intrinsic _____	[____   ____]	

Remarks: \_\_\_\_\_