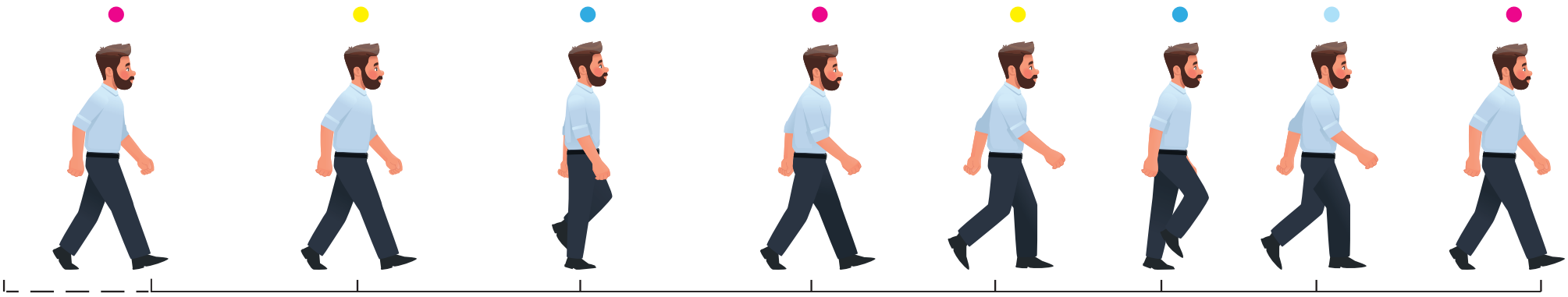
GaitON®

JAKC's Observational Gait Analysis

Patient Name: Gender: Date:

DOB: Medical Dx: Onset: Examiner:

Orthotic/Prosthetic/AD: Reference Limb: ☐ R ☐ L



	Stance				Swing	
Accomplish	**Weight Acceptance**		**Single Limb Support**		**Swing Limb Advancement**	
Phases	**● IC**	**● LR**	**● MSt**	**● TSt**	**● PSw / ● ISw**	**● MSw / ● TSw**
Ankle	☐ Fore Ft. ☐ Flat Ft. ☐ Abb HC	☐ Foot Slap	☐ Early Heel Off	☐ No Heel Off	/ ☐ Toe Drag	☐ Toe Drag /
	☐ Inad. DF	☐ Inad.PF	☐ Inadequate DF ☐ Excess DF		☐ Inadequate DF ☐ Contralateral Vault (PF)	
Calc	☐ Excess Iv. ☐ Excess Ev.	☐ Excess Iv. ☐ Excess Ev.	☐ Excess Inversion ☐ Excess Eversion		☐ Excess Inversion	
Toes			☐ Excess IP Flexion (Clawed)			
				☐ Inadequate MTP X		
Knee	☐ Inad. Ext.	☐ Inad. Flexion	☐ Inadequate Extension		☐ Inad. Flexion ☐ Excess Flexion	☐ Inadequate Extension
		☐ Hyperextension				☐ Extensor Thrust
		☐ Extensor Thrust			☐ Excess Contralateral Flexion	
		☐ Varus ☐ Thrust ☐ Valgus				
Thigh	☐ Inadequate Flexion ☐ Excess Flexion		☐ Inad. Extension		☐ Inad. Flexion ☐ Excess Flexion	
			☐ Medial Rotation ☐ Lateral Rotation		☐ Medial Rotation ☐ Lateral Rotation	
			☐ Abduction ☐ Adduction		☐ Adduction ☐ Circumduction	
Pelvis			☐ Contralateral Drop >5°		☐ Ipsilateral Drop >5°	
				☐ Inad. Backward Rotation ☐ Excess Backward Rotation		☐ Inad. Forward Rotation ☐ Excess Forward Rotation
					☐ Hike (>neutral)	
			☐ Excess Anterior Tilt		☐ Excess Posterior Tilt	
Trunk			☐ Forward Lean ☐ Backward Lean		☐ Forward Lean ☐ Backward Lean	
			☐ Right Lean ☐ Left Lean		☐ Right Lean ☐ Left Lean	

Developed by Jan Adams & Kay Cerny (JAKC) CSUN & CSULB

Original illustration by Deniel Sanchez PT

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Summarize Deviation within Essential Accomplishments

Weight Acceptance:

Single Limb Support:

Swing Limb Advancement:

UE: Reciprocal Arm Swing ☐ Yes ☐ No

Calculate Stride Characteristics

Self-Selected Speed

Measure distance walked _____ (m) **Time to traverse distance _____ (sec)** **# of steps taken _____**

Calculations:

- **Velocity (m/min or m/sec) = Distance _____ (m)/ time (s) = _____ m/sec** **_____ %N**
  (x 60 sec/min) = _____ m/min
- **Cadence (steps/minute) = #steps _____ / time (s) x (60 sec/min) = _____ steps/min** **_____ %N**
- **Stride Length (meters) = velocity _____ (m/min) / 1/2 #steps/min _____ = meters/stride** **_____ %N**

Note: 2 steps = 1 stride - therefore divided by 1/2 #steps per minute

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