

Introductory Examination for Functional Pathology of the Musculoskeletal System Form

NAME _____ **DOB** _____

[Disproportion of] Available Motion — PASSIVE SPECIFIED LINKAGE RANGE OF MOTION

STANDING

Appendicular Skeleton: Pedal Appendages

	GP	-4	-3	-2	-1	RP
Squat						

Feet—Legs—Thighs—INNOMs—LS—TS—RC—CS

	Left						Right					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
PED APPEN B												

Feet—Legs—Thighs—INNOMs—LS—TS—RC—CS

	Left						Right					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
PEL TR												

Feet—Legs—Thighs—INNOMs—LS—TS—RC—CS

Axial Skeleton: Spine & Ribcage—with Innominates

	GP	-4	-3	-2	-1	RP
PROG PanVERT & Ribcage with INNOMs FB						

CS—TS—RC—LS—SAC—INNOMs

	GP	-4	-3	-2	-1	RP
PROG PanVERT & Ribcage with INNOMs BB						

CS—TS—RC—LS—SAC—INNOMs

SEATED

Appendicular Skeleton: Pedal Appendages without Innominates

RIGHT

	GP	-4	-3	-2	-1	RP
B PED APPEN MED ROT @ FA						
B PED APPEN LAT ROT @ FA						

	GP	SL	ML	RP
Leg MED ROT				
Leg LAT ROT				

RIGHT Wholefoot from Starting Posture @ Tibiotalar/Fibulotalar Joints

	Supination					Pronation			
	GP	SL	ML	RP		GP	SL	ML	RP
BB					FB				
LAT ROT					MED ROT				
ADD					ABD				

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RIGHT Hindfoot

in Wholefoot BB

in Wholefoot FB

	GP	SL	ML	RP		GP	SL	ML	RP
TIB on TAL Glide ANT					TIB on TAL Glide POST				
FIB on TIB & TAL Glide ANT					FIB on TIB & TAL Glide POST				
SIMUL CAL LAT Turn & ADD on TAL					SIMUL CAL MED Turn & ABD on TAL				

RIGHT CR-ROT between Hindfoot and Midfoot in Wholefoot Starting Posture

SIMUL Midfoot MED Turn Hindfoot LAT Turn

SIMUL Midfoot LAT Turn Hindfoot MED Turn

GP	SL	ML	RP	GP	SL	ML	RP

RIGHT Midfoot

in Wholefoot BB

in Wholefoot FB

3-D Arch	Peaking					Flattening			
	GP	SL	ML	RP		GP	SL	ML	RP
NAV MED Turn					NAV LAT Turn				
CUB LAT Turn					CUB MED Turn				
MED CUNE MED Turn					MED CUNE LAT Turn				
CEN CUNE ANT TR					CEN CUNE POST TR				
LAT CUNE LAT Turn					LAT CUNE MED Turn				

RIGHT Forefoot in Starting Posture

3-D Arch

Peaking

Flattening

	Peaking					Flattening			
	GP	SL	ML	RP		GP	SL	ML	RP
MT Complex ADD					MT Complex ABD				
MT Complex LAT Turn					MT Complex MED Turn				
MT 1/2/3/4/5 BB					MT 1/2/3/4/5 FB				
GT BB					GT FB				
GT ADD					GT ABD				
Distal PHAL ANT Tilt					Distal PHAL POST Tilt				

LEFT

	GP	-4	-3	-2	-1	RP
B PED APPEN MED ROT @ FA						
B PED APPEN LAT ROT @ FA						

	GP	SL	ML	RP
Leg MED ROT				
Leg LAT ROT				

LEFT Wholefoot from Starting Posture @ Tibiotalar/Fibulotalar Joints

	Supination					Pronation			
	GP	SL	ML	RP		GP	SL	ML	RP
BB					FB				
LAT ROT					MED ROT				
ADD					ABD				

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LEFT Hindfoot

	in Wholefoot BB					in Wholefoot FB			
	GP	SL	ML	RP		GP	SL	ML	RP
TIB on TAL Glide ANT					TIB on TAL Glide POST				
FIB on TIB & TAL Glide ANT					FIB on TIB & TAL Glide POST				
SIMUL CAL LAT Turn & ADD on TAL					SIMUL CAL MED Turn & ABD on TAL				

LEFT CR-ROT between Hindfoot and Midfoot in Wholefoot Starting Posture

SIMUL Midfoot MED Turn Hindfoot LAT Turn				SIMUL Midfoot LAT Turn Hindfoot MED Turn			
GP	SL	ML	RP	GP	SL	ML	RP

LEFT Midfoot

3-D Arch	in Wholefoot BB					in Wholefoot FB			
	Peaking					Flattening			
	GP	SL	ML	RP		GP	SL	ML	RP
NAV LAT Turn					NAV MED Turn				
CUB LAT Turn					CUB MED Turn				
MED CUNE LAT Turn					MED CUNE MED Turn				
CEN CUNE ANT TR					CEN CUNE POST TR				
LAT CUNE LAT Turn					LAT CUNE MED Turn				

LEFT Forefoot in Starting Posture

3-D Arch	Peaking					Flattening			
	GP	SL	ML	RP		GP	SL	ML	RP
MT Complex ADD					MT Complex ABD				
MT Complex LAT Turn					MT Complex MED Turn				
MT 1/2/3/4/5 BB					MT 1/2/3/4/5 FB				
GT BB					GT FB				
GT ADD					GT ABD				
Distal PHAL POST Tilt					Distal PHAL ANT Tilt				

Appendicular Skeleton: Cephalic Appendages

	Left						Right					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
SIMUL S ABD												
SIMUL S FB												
SIMUL S BB												

	Left				Right			
	GP	SL	ML	RP	GP	SL	ML	RP
90° B Forearm PRON BB MED ROT @ Shoulder								
90° B Forearm PRON BB MED ROT FB @ HU/HR								
Scapular Gapping								
CLAV MED ROT @ SC POST Glide								
CLAV LAT ROT @ SC ANT Glide								

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Axial Skeleton

	Left						Right					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
CS SB												
CS TRANP-ROT												

	GP	-4	-3	-2	-1	RP
CS FB						
CS BB						

COROP B

	GP	-4	-3	-2	-1	RP
Panspinal SB L						

CS—TS—RC—LS—SAC

	GP	SL	ML	RP
POST L Rib 1 PED COROP-Tilt				
POST L Rib 2 PED COROP-Tilt				
POST L Rib 3 PED COROP-Tilt				

	GP	-4	-3	-2	-1	RP
Panspinal SB R						

CS—TS—RC—LS—SAC

	GP	SL	ML	RP
POST R Rib 1 PED COROP-Tilt				
POST R Rib 2 PED COROP-Tilt				
POST R Rib 3 PED COROP-Tilt				

TRANP CR-ROT/TURN

	GP	-4	-3	-2	-1	RP
TLS SAC with RC TRANP-ROT L						

TS—RC—LS—SAC

	GP	SL	ML	RP
POST L Rib 1 MED CR-ROT/Turn				
POST L Rib 2 MED CR-ROT/Turn				
POST L Rib 3 MED CR-ROT/Turn				

	GP	-4	-3	-2	-1	RP
TLS SAC with RC TRANP-ROT R						

TS—RC—LS—SAC

	GP	SL	ML	RP
POST R Rib 1 MED CR-ROT/Turn				
POST R Rib 2 MED CR-ROT/Turn				
POST R Rib 3 MED CR-ROT/Turn				

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SAGIP-B

	GP	-4	-3	-2	-1	RP
Panspinal with RC FB						

CS—TS—RC—LS—SAC—INNOMs

Axial Skeleton with Innominates

SAGIP-B

	GP	-4	-3	-2	-1	RP
Panspinal with RC & INNOMs FB						

CS—TS—RC—LS—SAC—INNOMs

RIGHT SIDELYING

Appendicular Skeleton: Pedal Appendages

	GP	SL	ML	RP
L B PED APPEN 90° FB / ABD / BB / ADD				

PED

CEPH

	GP	SL	ML	RP	GP	SL	ML	RP
L INNOM Glide								

Axial Skeleton: Thoracolumbar Spine and Ribcage—with Innominates

R Turn with CR-ROT from CEPH

R Turn with CR-ROT from PED

	GP	SL	ML	RP	GP	SL	ML	RP
T1								
T2								
T3								
T4								
T5								
T6								
T7								
T8								
T9								
T10								
T11								
T12								
L1								
L2								
L3								
L4								
L5								
SAC								

MED Turn with CR-ROT from CEPH

MED Turn with CR-ROT from PED

	GP	SL	ML	RP	GP	SL	ML	RP
L Rib 1								
L Rib 2								
L Rib 3								
L Rib 4								
L Rib 5								
L Rib 6								
L Rib 7								

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L Rib 8								
L Rib 9								
L Rib 10								
L Rib 11								
L Rib 12								

L Side Bending from PED

	GP	SL	ML	RP
L1				
L2				
L3				
L4				
L5				

LEFT SIDELYING

Appendicular Skeleton: Pedal Appendage

	GP	SL	ML	RP
R B PED APPEN 90° FB / ABD / BB / ADD				

PED

CEPH

	GP	SL	ML	RP	GP	SL	ML	RP
R INNOM Glide								

Axial Skeleton: Thoracolumbar Spine and Ribcage—with Innominates

L Turn with CR-ROT from CEPH

L Turn with CR-ROT from PED

	GP	SL	ML	RP	GP	SL	ML	RP
T1								
T2								
T3								
T4								
T5								
T6								
T7								
T8								
T9								
T10								
T11								
T12								
L1								
L2								
L3								
L4								
L5								
SAC								

MED Turn with CR-ROT from CEPH

MED Turn with CR-ROT from PED

	GP	SL	ML	RP	GP	SL	ML	RP
R Rib 1								
R Rib 2								
R Rib 3								
R Rib 4								

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R Rib 5								
R Rib 6								
R Rib 7								
R Rib 8								
R Rib 9								
R Rib 10								
R Rib 11								
R Rib 12								

R Side Bending from PED

	GP	SL	ML	RP
L1				
L2				
L3				
L4				
L5				

PRONE

Appendicular Skeleton: Cephalic Appendages

	Left						Right					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
S 90° FB 70° MED ROT BB with CL CS TRANP-ROT												
S 90° FB 70° MED ROT BB with IL CS TRANP-ROT												
S BB with IL CS TRANP-ROT												

Appendicular Skeleton: Pedal Appendages without Innominates

	Left				Right			
	GP	SL	ML	RP	GP	SL	ML	RP
TAL Glide MED								
TAL Glide LAT								
Wholefoot BB								

	Left						Right					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
Leg BB with Foot BB												
90° B MED ROT @ FA												
90° B LAT ROT @ FA												
90° B BB @ FA												

Axial Skeleton with Innominates: Postural Context

Propped

	GP	SL	ML	RP
Total				

INNOMs—SAC—LS—TS—RC—CS

Kneeling

	-4	-3	-2	-1	RP
GP					

Feet—Legs—Thighs—INNOMs—SAC—LS—TS—RC—CS

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Fold-up

	GP	SL	ML	RP
Total				

Feet—Legs—Thighs—INNOMs—SAC—LS—TS—RC—CS

Axial Skeleton: Sacrum in Standard Posture

Tilt on L/R Axis

	GP	SL	ML	RP		GP	SL	ML	RP
Base POST					Apex ANT				
Base ANT					Apex POST				

Turn on C/P Axis

	GP	SL	ML	RP		GP	SL	ML	RP
R Border POST					L Border ANT				
L Border ANT					R Border POST				

Tilt/Turn on Diagonal Axes

	GP	SL	ML	RP		GP	SL	ML	RP
On Diagonal R Axis: L Base POST					R PLA ANT				
On Diagonal R Axis: L Base ANT					R PLA POST				
On Diagonal L Axis: R Base POST					L PLA ANT				
On Diagonal L Axis: R Base ANT					L PLA POST				

Axial Skeleton: Sacrum in Propped

Tilt on L/R Axis

	GP	SL	ML	RP		GP	SL	ML	RP
Base POST					Apex ANT				
Base ANT					Apex POST				

Turn on C/P Axis

	GP	SL	ML	RP		GP	SL	ML	RP
R Border POST					L Border ANT				
L Border ANT					R Border POST				

Tilt/Turn on Diagonal Axes

	GP	SL	ML	RP		GP	SL	ML	RP
On Diagonal R Axis: L Base POST					R PLA ANT				
On Diagonal R Axis: L Base ANT					R PLA POST				
On Diagonal L Axis: R Base POST					L PLA ANT				
On Diagonal L Axis: R Base ANT					L PLA POST				

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Axial Skeleton: Sacrum in Fold-up

Tilt on L/R Axis

	GP	SL	ML	RP		GP	SL	ML	RP
Base POST					Apex ANT				
Base ANT					Apex POST				

Turn on C/P Axis

	GP	SL	ML	RP		GP	SL	ML	RP
R Border POST					L Border ANT				
L Border ANT					R Border POST				

Tilt/Turn on Diagonal Axes

	GP	SL	ML	RP		GP	SL	ML	RP
On Diagonal R Axis: L Base POST					R PLA ANT				
On Diagonal R Axis: L Base ANT					R PLA POST				
On Diagonal L Axis: R Base POST					L PLA ANT				
On Diagonal L Axis: R Base ANT					L PLA POST				

SUPINE

Appendicular Skeleton: Pedal Appendages

	Right				Left			
	GP	SL	ML	RP	GP	SL	ML	RP
Leg MED ROT								
Leg LAT ROT								
SIMUL CR-Tilt CEPH FIB ANT & TIB POST with PED FIB POST & TIB ANT								
SIMUL CR-Tilt CEPH FIB POST & TIB ANT with PED FIB ANT & TIB POST								

	Right						Left					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
SIMUL S MED ROT												
SIMUL S LAT ROT												
S ADD												
S ABD												
S FB												

	Right						Left					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
B FB @ Hip												
90° B 90° FB MED ROT @ FA												
90° B 90° FB LAT ROT @ FA												
B 90° FB ADD @ FA												
B 90° FB ABD @ Hip												

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Appendicular Skeleton: Cephalic Appendages

RIGHT

	GP	-4	-3	-2	-1	RP
90° B LAT ROT @ GH						
90° B 90° ABD LAT ROT @ GH						
90° B 90° ABD MED ROT @ GH						
90° B 90° ABD MED ROT @ Shoulder						

	GP	SL	ML	RP
Forearm Supination in S				
Forearm Pronation in S				
Distal Ulna POST Glide in PRON				
Hand FB				
Hand BB				
Hand ABD				
Hand ADD				
Hand & Finger FB in PRON: Peaking				
Hand & Finger BB in SUP: Flattening				
MC 1/2/3/4/5 ANT Tilt				

LEFT

	GP	-4	-3	-2	-1	RP
90° B LAT ROT						
90° B 90° ABD LAT ROT						
90° B 90° ABD MED ROT @ GH						
90° B 90° ABD MED ROT @ Shoulder						

	GP	SL	ML	RP
Forearm Supination in S				
Forearm Pronation in S				
Distal Ulna POST Glide in PRON				
Hand FB				
Hand BB				
Hand ABD				
Hand ADD				
Hand & Finger BB in SUP: Flattening				
Hand & Finger FB in PRON: Peaking				
MC 1/2/3/4/5 ANT Tilt				

	Right				Left			
	GP	SL	ML	RP	GP	SL	ML	RP
CLAV ADD @ SC								
CLAV ABD @ SC								

	Right						Left					
	GP	-4	-3	-2	-1	RP	GP	-4	-3	-2	-1	RP
SIMUL S FB												

INTRODUCTORY Examination for Functional Pathology of the Musculoskeletal System

Appendicular Skeleton: Innominates

	GP	SL	ML	RP		GP	SL	ML	RP
POST Glide R					POST Glide L				
SAGITP CR-Tilt R CEPH SIMUL L PED					SAGITP CR-Tilt L CEPH SIMUL R PED				
SIMUL MED ROT R					SIMUL MED ROT L				
SIMUL LAT ROT R					SIMUL LAT ROT L				

**Axial Skeleton
Sternal Spring**

	PED Sternal Body				CEPH Sternal Body			
	GP	SL	ML	RP	GP	SL	ML	RP
With SIMUL S CEPH APPEN FB								

	Sternal Angle				Manubrium			
	GP	SL	ML	RP	GP	SL	ML	RP
With SIMUL S CEPH APPEN FB								

Sagittal Plane Progressing CEPH to PED

	ANT Tilt				POST Tilt			
	GP	SL	ML	RP	GP	SL	ML	RP
Occiput								
C1								
C2								
C3								
C4								
C5								
C6								
C7								

CS Turn from POST to ANT Progressing CEPH to PED to the Left and Right

	Right				Left			
	GP	SL	ML	RP	GP	SL	ML	RP
Occiput								
C1								
C2								
C3								
C4								
C5								
C6								
C7								

CS Turn from ANT to POST Progressing CEPH to PED to the Left and Right

	Left				Right			
	GP	SL	ML	RP	GP	SL	ML	RP
Occiput								
C1								
C2								
C3								

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C4								
C5								
C6								
C7								

CS COROP Tilt Progressing CEPH to PED to the Left and Right

	Left				Right			
	GP	SL	ML	RP	GP	SL	ML	RP
Occiput								
C2								
C3								
C4								
C5								
C6								
C7								

Atlas: Translation and Turned in Ipsilateral CS Translation

	Left				Right			
	GP	SL	ML	RP	GP	SL	ML	RP
C1 TR								
C1 TR in IL TRANP-ROT								