Protocol ID:	Study Subject ID:	
Study Name:	Interviewer Name:	
Site:	Interview Date:	
Event Name:		
Event Date:		
BLS	A Knee Strength - Ver 1.0	
Section Title: Eligibility		
Instructions:		
Eligibility		
Date Completed	☐ Blank	
Tester ID		
and is used to measure strength in various muscle	This machine is a dynamometer (we call it the Biodex, after the manufacturer) groups. In this session, we will measure the strength of the muscle groups in escribe as we get to them. Before starting, I will ask you a few questions to	
Does the participant's BP obtained during PE exc	eed 220/115mmHg?	
	Click to deselect entryIf YES, DO NOT TEST	
2. From DXA testing, is the bone mineral density T-score of either hip more than four standard deviations below the population mean or less than 0.5 g/cm-squared?		
○ Yes ○ No ○ Don't know	Click to deselect entryIf YES, DO NOT TEST	
Questions for Participant 3. Has a doctor ever told you that you had an aneu O Yes O No O Don't know		
4. Has a doctor told you that you had a cerebral he	mmorage in the last 6 months?	

	O Yes O No O Don't know	Click to deselect entryIf YES, DO NOT TEST
4a. Have you had any low	back pain in the past year t ○ Yes ○ No ○ Don't know	that limited your activity for <u>one month?</u> Click to deselect entryIf YES, DO NOT TEST
5. Have you had knee surg	ery on either leg? O Yes O No O Don't know	Click to deselect entry
5a. If yes, was the surger	y on your right, left or both O Right O Left O Both O Do	
Type of surgery		
5b. Right knee	Ojoint	
	OBone	
	O Ligament	
	O Meniscus	
	○ Cartilage	
	O Knee cap	
	O Tendon	
	Others	
	O Don't know	
5c. Left knee	OJoint	
	O Bone	
	O Ligament	
	O Meniscus	
	○ Cartilage	
	O Knee cap	
	○ Tendon	
	Others	
	O Don't know	

6. Have you had an injury that made one leg weaker than the other

	O Yes O No O Don't know	Click to deselect entry	6a. If yes, which leg is <u>strong</u>	er
7. Is it difficult to bend or s	straighten either of you	ır knees fully due to	pain, arthritis, injury or some	e other condition?
	O Yes O No O Don't know	Click to deselect entry		Right C Left Both Don't know
24. Do you have any pain i	n your knee, when you ○ Yes ○ No ○ Don't kn	•		
24a. Which knee	Right 24b. How often do you have pain? Occassionally			
	O Left		O Weekly	
	OBoth		Oaily	
	O Don't know		O Don't know	1
8. Which leg was tested at	the participant's most O Right O Left O Both O Don't know O First time	recent BLSA visit in	which Dynamometer testing	was performed?
hands above the participan	nt's ankle and with you and try to straighten th	r elbows extended a eir leg. (Repeat on d h knees that stoppe	and using your body to resist to other side, unless contraindica	
9a. Can other side be measured?	○ Yes ○ No			

9b. Did you have any pain in your knee that stopped you from pushing hard?	○ Yes ○ No ○ Don't know		
Pain			
25. Do you have any pain now?	○ Yes ○ No ○ Don't know	Click to deselect entry	
If Yes, rate the severity of	pain you have now.		
Low back pain	000102030405	06070809010	Click to deselect entry
Right hip pain	000102030405	6 0 7 0 8 0 9 0 10	Click to deselect entry
Left hip pain	000102030405	06070809010	Click to deselect entry
Right knee pain	000102030405	06070809010	Click to deselect entry
Left knee pain	000102030405	06070809010	Click to deselect entry

Protocol ID:	Study Subject ID:		
Study Name:	Interviewer Name:		
Site:	Interview Date:		
Event Name:			
Event Date:			
Section Title: Right Leg			
Instructions:			
Right Leg Date Completed			
Tester ID			
exactly as before (if inform	s: Dynamometer settings used previously may be printed below. Please position the dynamometer nation is available). Refer to the operations manual for procedures on determining settings if no previous nanges are necessary. In this case enter (or overwrite) settings below: (In)		
10b. Lever arm	(In)		
10c. Limb weight	(Nm)		
Concentric/Concentric Test: "For this test you will be moving with the machine, kicking out as hard as you can until the machine stops and then, when I tell you to start, pulling back in as hard as you can with the machine the entire way back to the starting position. You will be doing this action three times for each of two test speeds, one slow and one fast We will start with a few practice tests first."			
11a. Was right leg tested	○ Yes ○ No Click to deselect entry		
11b. Trials attempted at 30 degrees?	O O O 1 O 2 O 3 O 4+ Click to deselect entry		
Reason Test Terminated	O Requested by Participant O Tester's decision Click to deselect entry		

11c. Trials attempted at 180 degrees?	0 0 1 0 2 0 3 0 4+ Click to deselect entry	
Reason Test Terminated	O Requested by Participant O Tester's decision Click to	deselect entry
11d. Reason not done:	○ Ineligible ○ Refused ○ Technical ○ No Tester ○ Time	O Don't know Click to deselect entry
kick towards the chair as to up. For the second part of position. Keep kicking up to	, 5 5	start position. As in the previous test, you will be
12b. Trials attempted at 30 degrees?	O O O 1 O 2 O 3 O 4+ Click to deselect entry	
12c. Trials attempted at 180 degrees?	O O 1 O 2 O 3 O 4+ Click to deselect entry	
12d. Reason not done:	○ Ineligible ○ Refused ○ Technical ○ No Tester ○ Time	O Don't know Click to deselect entry
	fixed positions and will not move. You will be doing	nd holding that position for three seconds each time. this action three times for each of two test angles.
13b. Trials attempted at 120 degrees?	O O O 1 O 2 O 3 O 4+ Click to deselect entry	
13c. Trials attempted at 140 degrees?	O O O 1 O 2 O 3 O 4+ Click to deselect entry	
Reason Test Terminated	Requested by Participant Tester's decision Click to C	deselect entry
13d. Reason not done:	○ Ineligible ○ Refused ○ Technical ○ No Tester ○ Time	O Don't know Click to deselect entry

OpenClinica - Printable Forms

Protocol ID:	Study Subject ID:		
Study Name:	Interviewer Name:		
Site:	Interview Date:		
Event Name:			
Event Date:	<u> </u>		
Section Title: Left Leg			
Instructions:			
Left Leg Date Completed			
Tester ID			
exactly as before (if inform	<u>s:</u> Dynamometer settings used previously may be printed below. Please position the dynamometer ration is available). Refer to the operations manual for procedures on determining settings if no previous anges are necessary. In this case enter (or overwrite) settings below: (In)		
20b. Lever arm	(In)		
20c. Limb weight	(Nm)		
Concentric/Concentric Test: "For this test you will be moving with the machine, kicking out as hard as you can until the machine stops and then, when I tell you to start, pulling back in as hard as you can with the machine the entire way back to the starting position. You will be doing this action three times for each of two test speeds, one slow and one fast We will start with a few practice tests first."			
21a. Was left leg tested	○ Yes ○ No Click to deselect entry		
21b. Trials attempted at 30 degrees?	O O O 1 O 2 O 3 O 4+ Click to deselect entry		
Reason Test Terminated	O Requested by Participant O Tester's decision Click to deselect entry		

21c. Trials attempted at 180 degrees?	0 0 0 1 0 2 0 3 0 4+	Click to deselect entry	
Reason Test Terminated	O Requested by Participant (Tester's decision Click to deselect entry	
21d. Reason not done:	O Ineligible O Refused O To	echnical O No Tester O Time O Don't know	Click to deselect entry
kick towards the chair as t up. For the second part of position. Keep kicking up t	the lever arm is moving too the movement, you will b the entire time the lever ar	wards the stop position. Keep kicking be we kicking up towards the ceiling while we me is moving back to the start position wo test speeds. We'll start with a few p	. As in the previous test, you will be
22b. Trials attempted at 30 degrees?	0 0 1 0 2 0 3 0 4+	Click to deselect entry	
22c. Trials attempted at 180 degrees?	0001020304+	Click to deselect entry	
22d. Reason not done:	O Ineligible O Refused O To	echnical O No Tester O Time O Don't know	Click to deselect entry
	fixed positions and will not	t move. You will be doing this action th	at position for three seconds each time. hree times for each of two test angles.
23b. Trials attempted at 120 degrees?	0001020304+	Click to deselect entry	
23c. Trials attempted at 140 degrees?	0001020304+	Click to deselect entry	
Reason Test Terminated	O Requested by Participant (Tester's decision Click to deselect entry	
23d. Reason not done:	O Ineligible O Refused O To	echnical O No Tester O Time O Don't know	Click to deselect entry

Protocol ID:	Study Subject ID:
Study Name:	Interviewer Name:
Site:	Interview Date:
Event Name:	
Event Date:	
Section Title: Eligibility	
occion maior ingramey	
Instructions:	