

Protocol ID: _____
Study Name: _____
Site: _____
Event Name: _____
Event Date: _____

Study Subject ID: _____
Interviewer Name: _____
Interview Date: _____

BLSA Physical Exam - Ver. 1.0**Section Title: Physical Exam****Instructions:**

Date Completed		<input type="checkbox"/> Blank
Tester ID	Physical Examination not done:	<input type="radio"/> Exam done <input type="radio"/> Exam not done leave form blank <input type="radio"/> Exam incomplete
Total number of teeth	If missing	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
Number of teeth in contact	If missing	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
3. Oral prosthesis	<input type="radio"/> No prosthesis <input type="radio"/> Partial prosthesis <input type="radio"/> Complete prosthesis <input type="radio"/> Unknown	Reason unknown <input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
Mucosa Score (inflammation)	<input type="radio"/> 1=Normal appearance of gingival and oral mucosa <input type="radio"/> 2=Mild inflammation <input type="radio"/> 3=Moderate inflammation <input type="radio"/> 4=Severe inflammation <input type="radio"/> 0=Unknown	Reason unknown <input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
Plaque score for teeth and dentures	<input type="radio"/> 1=No easily visible plaque <input type="radio"/> 2=Small amounts of hardly visible plaque <input type="radio"/> 3=Moderate amounts of plaque <input type="radio"/> 4=Abundant amounts of confluent plaque <input type="radio"/> 0=unknown	Reason unknown <input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
6. Hearing aid	<input type="radio"/> Absent <input type="radio"/> Present <input type="radio"/> Unknown	Reason unknown <input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
CN IX and X		
7. PE_Oropharynx	<input type="radio"/> Symmetrical <input type="radio"/> Asymmetrical <input type="radio"/> Unknown	Reason unknown <input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
CN III, IV, VI (If blind mark: Unknown 555 - physical problems)		
8. PE_Vertical Ocular Movement	<input type="radio"/> Full <input type="radio"/> Asymmetrical <input type="radio"/> Bilateral abnormal <input type="radio"/> Unknown	Reason unknown <input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems

9. PE_Horizontal Ocular Movement	<input type="radio"/> Full <input type="radio"/> Asymmetrical <input type="radio"/> Bilateral abnormal <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
10. PE_Wavy ocular tracking	<input type="radio"/> Normal <input type="radio"/> Abnormal <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
11. PE_Nystagmus	<input type="radio"/> No nystagmus <input type="radio"/> Nystagmus present <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
12. PE_Convergence (at >= 10 cm or 4 in.)	<input type="radio"/> Normal convergence <input type="radio"/> Unable to converge <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
CN VII			
13. PE_Cranial nerve VII (facial) asymmetry	<input type="radio"/> Symmetrical <input type="radio"/> Asymmetrical <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
Cardiovascular			
14. Heart murmurs	<input type="radio"/> No murmurs <input type="radio"/> Murmur present <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
15. Heart rhythm	<input type="radio"/> Normal (regular) <input type="radio"/> Abnormal (irregular) <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
16. Carotid bruit	<input type="radio"/> Absent <input type="radio"/> Right side only <input type="radio"/> Left side only <input type="radio"/> Bilateral <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
17. Pacemaker or ICD observed	<input type="radio"/> No pacemaker or ICD <input type="radio"/> Pacemaker or ICD present <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
Lungs			
18. Rales	<input type="radio"/> No rales <input type="radio"/> Rales at bases <input type="radio"/> Rales more than at bases <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
19. Wheezing	<input type="radio"/> No wheezing <input type="radio"/> Wheezing <input type="radio"/> Unknown		

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

20. Prolonged expiratory phase

☐ Phase < 6 seconds
☐ Phase > 6 seconds
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Finger to Nose (FTN)

I am going to hold my finger in front of you. I want you to touch my finger with your right index finger, and then touch your nose with the same finger. Keep your eyes on my finger. I want you to continue back and forth, touching my finger and then your nose. I will move my finger around."

21. Dysmetria & "freange" right hand

☐ Rapid and precise
☐ Slows down
☐ Misses target
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

22. Dysmetria & "freange" left hand

☐ Rapid and precise
☐ Slows down
☐ Misses target
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

RAPIDLY ALTERNATING MOVEMENTS

"I want you to sit with your (dominant or most functional) hand palm down on your lap. As quickly and as precisely as possible, raise your hand, turn it over and strike your thigh in the same place with the back of your hand, like this. Keep doing this until I say stop."

23. PE_Hand rhythm

☐ Rhythmic
☐ Dysrhythmic
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

24. PE_Number of hand strikes completed in 20 seconds: (count back and front hand strike as one)

☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Muscle tone

25. Muscle tone resistance

☐ None
☐ One direction
☐ Throughout
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Carpal Tunnel

26. Tinel's sign

☐ None
☐ Present on right
☐ Present on left
☐ Present bilaterally
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Pathologic Reflexes, Sitting Position

27. Hoffman sign

☐ No flexion or adduction
☐ Reflexive flexion or adduction
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Pathologic Reflexes Present on Either Side

28. PE_Palmomental sign
- ☐ No contraction
☐ Contraction
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems
29. PE_Glabellar sign
- ☐ Stops in < = 5 blinks
☐ Stops in 6 - 15 blinks
☐ Persists > 15 blinks
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems
30. Snout sign
- ☐ No reflexive sucking or puckering
☐ Reflexive sucking or puckering
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

KNEE AND HIP EXAMINATION

31. PE_Patellar reflex right
- ☐ Normal
☐ Absent
☐ Slightly brisk
☐ Hyperreflexia
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems
32. PE_Patellar reflex left
- ☐ Normal
☐ Absent
☐ Slightly brisk
☐ Hyperreflexia
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

RIGHT KNEE

Palpate along the four areas of the patellar tendon applying 3 lbs of pressure and ask the participant ***"Is this painful or tender?"***

33. Quadriceps tendonitis Right knee
- ☐ No pain
☐ Pain in any one area
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

LEFT KNEE

Palpate along the four areas of the patellar tendon applying 3 lbs of pressure and ask the participant ***"Is this painful or tender?"***

34. Quadriceps tendonitis Left knee
- ☐ No pain
☐ Pain in any one area
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

RIGHT HIP

35. Passive internal range of motion (degrees)

"Is this painful or tender?"

- 35a. Painful range of motion
- ☐ No pain
☐ Pain present
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

LEFT HIP

36. Passive internal range of motion (degrees)

"Is this painful or tender?"

- 36a. Painful range of motion
- ☐ No pain
☐ Pain present
☐ Unknown

- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

37. JVD present at 45 degrees
- ☐ JVD absent
☐ JVD present
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Abdominojugular reflux

I'm going to apply firm pressure to your abdomen. Breathe normally through your mouth throughout the exam. Don't strain or bear down or hold your breath."

38. Abdominojugular reflux
- ☐ Absent
☐ Obvious venous distension to jaw
☐ Could not evaluate/Valsalva
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

RIGHT ANKLE

Examiner over-presses beyond active range and records maximum range of motion.

39a. Dorsiflexion maximum motion (degrees)

As the participant moves the ankle, the examiner asks, **"is this painful or tender?"**

- 39b. Painful dorsiflexion maximum motion
- ☐ No pain
☐ Pain present
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Examiner over-presses beyond active range and records maximum range of motion.

39c. Plantarflexion maximum motion (degrees)

As the participant moves the ankle, the examiner asks, **"is this painful or tender?"**

- 39d. Painful plantarflexion maximum motion
- ☐ No pain
☐ Pain present
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

LEFT ANKLE

Examiner over-presses beyond active range and records maximum range of motion.

40a. Dorsiflexion maximum motion (degrees)

As the participant moves the ankle, the examiner asks, **"is this painful or tender?"**

- 40b. Painful dorsiflexion maximum motion
- ☐ No pain
☐ Pain present
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Examiner over-presses beyond active range and records maximum range of motion.

40c. Plantarflexion maximum motion (degrees)

As the participant moves the ankle, the examiner asks, **"is this painful or tender?"**

- 40d. Painful plantarflexion maximum motion
- ☐ No pain
☐ Pain present
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

RIGHT KNEE

Examiner places the one hand on the RIGHT KNEE, and uses the other to lift the RIGHT LEG and instructs the participant, **"Please relax while I move your leg."**

- 41a. Right knee crepitus
- | | | |
|--|----------------|---|
| <input type="radio"/> No crepitus detected | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Crepitus present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

While checking for crepitus, the examiner asks the participant, ***"Is this painful or tender?"***

- 41b. Right knee painful passive motion
- | | | |
|------------------------------------|----------------|---|
| <input type="radio"/> No pain | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Pain present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

The examiner instructs the participant ***"To see how much motion you have in your knee, bend your knee and move your heel as close to your buttocks as you can."***

41c. Right knee maximal flexion (degrees)
range of motion

As the examiner moves the knee into maximum flexion, the examiner asks, ***"Is this painful or tender?"***

- 41d. Right knee painful maximum flexion
- | | | |
|------------------------------------|----------------|---|
| <input type="radio"/> No pain | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Pain present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

Position cushion so that it does not interfere with measurement

- 41e. Right knee maximal extension 0 degrees
- | |
|------------------------------------|
| <input type="radio"/> 0 degrees |
| <input type="radio"/> Contracture |
| <input type="radio"/> Hypertension |
| <input type="radio"/> Unknown |

Contracture

Hyperextension

- Reason unknown
- | |
|---|
| <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> 777 - Both Physical and Mental problems |
| <input type="radio"/> 888 - Refused but could do |
| <input type="radio"/> 999 - Technical Problems |

Elevate effusions using bulge sign and patellar tap. ***"I'm going to feel your knee joints for swelling."***

- 41f. Right knee effusion
- | | | |
|--|----------------|---|
| <input type="radio"/> No effusion detected | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Effusion present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

While applying 3 lbs of pressure over the tibiofemoral joint line the examiner asks, ***"Is this painful or tender?"***

- 41g. Right knee tibiofemoral tenderness
- | | | |
|------------------------------------|----------------|---|
| <input type="radio"/> No pain | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Pain present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

Right knee patellar grind sign:

The examiner instructs the participant *I'm going to feel around your knee cap for tenderness.* Examiner presses down on the patella and distal towards the foot. *Tighten your thigh muscle by slowly pushing the back of our knee down to the table.*

While the participant then contracts or tightens the quadriceps muscle the examiner asks, ***"Do you have pain behind your kneecap?"***

- 41h. Right knee patellar grind sign
- | | | |
|------------------------------------|----------------|---|
| <input type="radio"/> No pain | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Pain present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

The examiner instructs the participant ***"Relax your leg as I lift your leg from the table.:"***

41j. Right straight leg raise range of motion (degrees)

While performing the straight leg test, the examiner asks: ***"Is this painful or tender?"***

41k. Right straight leg raise
painful?

- ☐ No Pain
☐ Pain localized to groin or hip
☐ Pain localized to thigh
☐ Pain localized to back or shoots down lower extremity
☐ Unknown

Reason unknown

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

LEFT KNEE

Examiner places the one hand on the LEFT KNEE, and uses the other to lift the LEFT LEG and instructs the participant, **"Please relax while I move your leg."**

42a. Left knee crepitus

- ☐ No crepitus detected
☐ Crepitus present
☐ Unknown

Reason unknown

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

While checking for crepitus, the examiner asks the participant, **"Is this painful or tender?"**

42b. Left knee painful passive
motion

- ☐ No pain
☐ Pain present
☐ Unknown

Reason unknown

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

The examiner instructs the participant **"To see how much motion you have in your knee, bend your knee and move your heel as close to your buttocks as you can."**

42c. Left knee maximal flexion
range of motion

(degrees)

As the examiner moves the knee into maximum flexion, the examiner asks, **"Is this painful or tender?"**

42d. Left knee painful maximum
flexion

- ☐ No pain
☐ Pain present
☐ Unknown

Reason unknown

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Position cushion so that it does not interfere with measurement

42e. Left knee maximal extension
0 degrees

- ☐ 0 degrees
☐ Contracture
☐ Hypertension
☐ Unknown

Contracture

Hyperextension

Reason unknown

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Elevate effusions using bulge sign and patellar tap. **"I'm going to feel your knee joints for swelling."**

42f. Left knee effusion

- ☐ No effusion detected
☐ Effusion present
☐ Unknown

Reason unknown

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

While applying 3 lbs of pressure over the tibiofemoral joint line the examiner asks, **"Is this painful or tender?"**

42g. Left knee tibiofemoral
tenderness

- ☐ No pain
☐ Pain present
☐ Unknown

Reason unknown

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Right knee patellar grind sign:

The examiner instructs the participant *"I'm going to feel around your knee cap for tenderness."* Examiner presses down on the patella and distal towards the foot. *Tighten your thigh muscle by slowly pushing the back of our knee down to the table.*

While the participant then contracts or tightens the quadriceps muscle the examiner asks, **"Do you have pain behind your kneecap?"**

42h. Left knee patellar grind sign

- ☐ No pain
☐ Pain present
☐ Unknown

- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

The examiner instructs the participant **"Relax your leg as I lift your leg from the table.:**

42j. Left straight leg raise range of motion (degrees)

While performing the straight leg test, the examiner asks: *"Is this painful or tender?"*

- 42k. Left straight leg raise painful? ☐ No Pain
- ☐ Pain localized to groin or hip
☐ Pain localized to thigh
☐ Pain localized to back or shoots down lower extremity
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Bridging

43. Unable to place hand beneath arched back ☐ Able
☐ Unable
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

DEEP TENDON REFLEXES

44. Biceps reflex left ☐ Normal
☐ Absent
☐ Slightly brisk
☐ Hyperreflexia
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems
45. Biceps reflex right ☐ Normal
☐ Absent
☐ Slightly brisk
☐ Hyperreflexia
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Graphesthesia - *"I am going to draw three symbols on the sole (arch to heel) of your foot using the blunt end of this reflex hammer. I want you to tell me what symbol I drew. Please close your eyes."*
If the participant doesn't know, the examiner asks him or her: *"Please make a guess. For research purposes, I need to write something down, so make your best guess."*

46. PE_Identifies line ☐ Yes
☐ No
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems
47. PE_Identifies circle ☐ Yes
☐ No
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems
48. PE_Identifies '+' sign ☐ Yes
☐ No
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Pathologic Reflexes

49. PE_Babinski sign ☐ Flexion or nothing
☐ Dorsiflexion of great toe fanning of toes or both
☐ Unknown
- Reason unknown
- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Stereognosis - *"Close your eyes. I am going to place some objects in your hand. You may move the objects in your hand. I want you to identify each one."*

If he/she cannot name the object, say the following: *"Please make a guess. For research purposes, I need to write something down, so make your best guess."*

50. PE_Identifies quarter	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
51. PE_Identifies safety pin	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
52. PE_Identifies dime	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
53. PE_Identifies key	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems

Heel to Shin

With the participant lying down, instruct him/her to do the following: "Close your eyes. As quickly and accurately as possible, move your right heel back and forth from your left knee to the table until I say stop." "Now do it with your left heel on your right leg."

Time (seconds) to complete 10 heel to shin movements on right:

54. Time - Right (seconds)			
55. Rhythm - Right	<input type="radio"/> Movements rhythmic <input type="radio"/> Movements not rhythmic <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems

Time (seconds) to complete 10 heel to shin movements on left:

56. Time - Left (seconds)			
57. Rhythm - Left	<input type="radio"/> Movements rhythmic <input type="radio"/> Movements not rhythmic <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems

Hand to finger

58. Unable to grasp thumb above head	<input type="radio"/> Grasps thumb <input type="radio"/> Unable to grasp thumb <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
59. Unable to grasp thumb at 90 degrees	<input type="radio"/> Grasps thumb <input type="radio"/> Unable to grasp thumb <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
60. Unable to grasp thumb next to hips	<input type="radio"/> Grasps thumb <input type="radio"/> Unable to grasp thumb <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems

Peripheral Pulses - Right

61. PE_Posterior tibial	<input type="radio"/> Present <input type="radio"/> Absent <input type="radio"/> Unknown
-------------------------	--

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

62. PE_Dorsalis pedis

☐ Present
☐ Absent
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Peripheral Pulses - Left

63. PE_Posterior tibial

☐ Present
☐ Absent
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

64. PE_Dorsalis pedis

☐ Present
☐ Absent
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Venous Insufficiency

65. PE_Telangiectasis or reticular
veins (venules/bluish veins <3mm
_tplItem="180" dia)

☐ Absent
☐ Present
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

66. PE_Varicose veins (=>3mm
diameter, usually tortuous, visible
veins)

☐ Absent
☐ Present
☐ Unknown

Reason unknown

☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

Study Subject ID: _____
Interviewer Name: _____
Interview Date: _____

Instructions:

67a. Arm cuff size ☒ Small ☐ Regular ☐ Large ☐ Thigh ☐ Unknown [Click to deselect entry](#)

67c. Does participant have any of the following conditions?

☐ Previous surgery right side☐ Previous surgery left side

Measurement 1

Left Systolic	Left Diastolic
120	80
130	90
140	100
150	110
160	120
170	130
180	140
190	150
200	160
210	170
220	180
230	190
240	200
250	210
260	220
270	230
280	240
290	250
300	260
310	270
320	280
330	290
340	300
350	310
360	320
370	330
380	340
390	350
400	360
410	370
420	380
430	390
440	400
450	410
460	420
470	430
480	440
490	450
500	460
510	470
520	480
530	490
540	500
550	510
560	520
570	530
580	540
590	550
600	560
610	570
620	580
630	590
640	600
650	610
660	620
670	630
680	640
690	650
700	660
710	670
720	680
730	690
740	700
750	710
760	720
770	730
780	740
790	750
800	760
810	770
820	780
830	790
840	800
850	810
860	820
870	830
880	840
890	850
900	860
910	870
920	880
930	890
940	900
950	910
960	920
970	930
980	940
990	950
1000	960
1010	970
1020	980
1030	990
1040	1000
1050	1010
1060	1020
1070	1030
1080	1040
1090	1050
1100	1060
1110	1070
1120	1080
1130	1090
1140	1100
1150	1110
1160	1120
1170	1130
1180	1140
1190	1150
1200	1160
1210	1170
1220	1180
1230	1190
1240	1200
1250	1210
1260	1220
1270	1230
1280	1240
1290	1250
1300	1260
1310	1270
1320	1280
1330	1290
1340	1300
1350	1310
1360	1320
1370	1330
1380	1340
1390	1350
1400	1360
1410	1370
1420	1380
1430	1390
1440	1400
1450	1410
1460	1420
1470	1430
1480	1440
1490	1450
1500	1460
1510	1470
1520	1480
1530	1490
1540	1500
1550	1510
1560	1520
1570	1530
1580	1540
1590	1550
1600	1560
1610	1570
1620	1580
1630	1590
1640	1600
1650	1610
1660	1620
1670	1630
1680	1640

Left Systolic	Left Diastolic
110	70
120	80
130	90
140	100
150	110
160	120
170	130
180	140
190	150
200	160
210	170
220	180
230	190
240	200
250	210
260	220
270	230
280	240
290	250
300	260
310	270
320	280
330	290
340	300
350	310
360	320
370	330
380	340
390	350
400	360
410	370
420	380
430	390
440	400
450	410
460	420
470	430
480	440
490	450
500	460
510	470
520	480
530	490
540	500
550	510
560	520
570	530
580	540
590	550
600	560
610	570
620	580
630	590
640	600
650	610
660	620
670	630
680	640
690	650
700	660
710	670
720	680
730	690
740	700
750	710
760	720
770	730
780	740
790	750
800	760
810	770
820	780
830	790
840	800
850	810
860	820
870	830
880	840
890	850
900	860
910	870
920	880
930	890
940	900
950	910
960	920
970	930
980	940
990	950
1000	960
1010	970
1020	980
1030	990
1040	1000
1050	1010
1060	1020
1070	1030
1080	1040
1090	1050
1100	1060
1110	1070
1120	1080
1130	1090
1140	1100
1150	1110
1160	1120
1170	1130
1180	1140
1190	1150
1200	1160
1210	1170
1220	1180
1230	1190
1240	1200
1250	1210
1260	1220
1270	1230
1280	1240
1290	1250
1300	1260
1310	1270
1320	1280
1330	1290
1340	1300
1350	1310
1360	1320
1370	1330
1380	1340
1390	1350
1400	1360
1410	1370
1420	1380
1430	1390
1440	1400
1450	1410
1460	1420
1470	1430
1480	1440
1490	1450
1500	1460
1510	1470
1520	1480
1530	1490
1540	1500
1550	1510
1560	1520
1570	1530
1580	1540
1590	1550
1600	1560
1610	1570
1620	1580
1630	1590
1640	1600
1650	1610
1660	1620
1670	1630

Left Systolic Left Diastolic

- ☐ 555 - Physical problems
- ☐ 666 - Mental problems
- ☐ 777 - Both Physical and Mental problems
- ☐ 888 - Refused but could do
- ☐ 999 - Technical Problems

- ☐ 555 - Physical problems
- ☐ 666 - Mental problems
- ☐ 777 - Both Physical and Mental problems
- ☐ 888 - Refused but could do
- ☐ 999 - Technical Problems

Knees pointing out	(degrees)	Knees pointing in	(degrees)
1	10	1	10
2	20	2	20
3	30	3	30
4	40	4	40
5	50	5	50
6	60	6	60
7	70	7	70
8	80	8	80
9	90	9	90
10	100	10	100
11	110	11	110
12	120	12	120
13	130	13	130
14	140	14	140
15	150	15	150
16	160	16	160
17	170	17	170
18	180	18	180
19	190	19	190
20	200	20	200
21	210	21	210
22	220	22	220
23	230	23	230
24	240	24	240
25	250	25	250
26	260	26	260
27	270	27	270
28	280	28	280
29	290	29	290
30	300	30	300
31	310	31	310
32	320	32	320
33	330	33	330
34	340	34	340
35	350	35	350
36	360	36	360

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

STANDING BLOOD PRESSURE MEASUREMENTS: Set timer for 3 minutes. Perform assessments on femur to tibia alignment, Romberg test and hand exam during the 3-minute wait for standing BP. "Stand with your feet together but not touching and without touching anything for support. Now close your eyes."

69. Romberg Sign
- | | | |
|-------------------------------|----------------|---|
| <input type="radio"/> Absent | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

Standing blood pressure measurements: (Use right arm if possible)

- 70a. Systolic
- Heart Rate (bpm)
- 70b. Dizziness or light headed with standing? ☐ Yes ☐ No [Click to deselect entry](#)
- 70c. Standing blood pressure completed? ☐ Yes ☐ No [Click to deselect entry](#) Reason not done
- | |
|---|
| <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> 777 - Both Physical and Mental problems |
| <input type="radio"/> 888 - Refused but could do |
| <input type="radio"/> 999 - Technical Problems |

Pronator Drift

"Stand and hold your arms stretched out straight in front of you with your palms up and eyes closed until I tell you to stop."

72. PE_Presence of pronator drift in 30 seconds.
- | | | |
|-------------------------------|----------------|---|
| <input type="radio"/> Absent | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

PARTICIPANT STANDING CLOSE TO AND FACING AWAY FROM WALL

73. Natural occiputal to wall distance: "With your lower back flat against the wall, touch the back of your head to the wall."

- Does occiput touch wall?
- | | | |
|--|----------------|---|
| <input type="radio"/> Yes (record 0 cm) | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> No (record distance from wall) | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

Distance from wall

PARTICIPANT IS STANDING FACING AWAY FROM THE EXAMINER

74b. Spinal flexion motion painful? "Is this movement painful or uncomfortable in your back?"

- Total spinal flexion range of motion (degrees)
- | | | |
|-------------------------------|----------------|---|
| <input type="radio"/> No | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Yes | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

74c. Spinal extension motion painful? "Is this movement painful or uncomfortable in your back?"

- Total spinal extension range of motion (degrees)
- | | | |
|------------------------------------|----------------|---|
| <input type="radio"/> No pain | Reason unknown | <input type="radio"/> 555 - Physical problems |
| <input type="radio"/> Pain present | | <input type="radio"/> 666 - Mental problems |
| <input type="radio"/> Unknown | | <input type="radio"/> 777 - Both Physical and Mental problems |
| | | <input type="radio"/> 888 - Refused but could do |
| | | <input type="radio"/> 999 - Technical Problems |

Shoulder elevation

While demonstrating, instruct participant, **"Now please lift your hands directly in front of you as high as you can with your thumbs pointing up."**

75a. Right shoulder elevation	<input type="radio"/> Fully able <input type="radio"/> Partially able <input type="radio"/> Unable <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
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75b. Left shoulder elevation	<input type="radio"/> Fully able <input type="radio"/> Partially able <input type="radio"/> Unable <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
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Functional external range of motion**"Now please put both hands behind your neck at the level of your ears. Keep your arms parallel to the floor and point your elbows out to the side like this."**

76a. Right shoulder functional external range	<input type="radio"/> Fully able <input type="radio"/> Partially able <input type="radio"/> Unable <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
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76b. Left shoulder functional external range	<input type="radio"/> Fully able <input type="radio"/> Partially able <input type="radio"/> Unable <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
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Shoulder motion painful**While the participant is performing external rotation, the examiner asks, "Is this movement painful or uncomfortable?"**

77a. Right shoulder painful motion	<input type="radio"/> No pain <input type="radio"/> Pain present <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
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77b. Left shoulder painful motion	<input type="radio"/> No pain <input type="radio"/> Pain present <input type="radio"/> Unknown	Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
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Examiner instructs participant, "Using this instrument I will now apply pressure to several points on your body. Please tell me when you first experience any pain or discomfort." Records pounds of pressure applied, 3 digits. If participant does not report pain or discomfort by 3 lbs, stop and record > 3 lbs.

PE78 01	PE78 02
PE78 03	PE78 04
PE78 05	PE78 06
PE78 07	PE78 08
PE78 09	PE78 10
PE78 11	PE78 12
PE78 13	PE78 14
PE78 15	PE78 16
PE78 17	PE78 18
PE78 A	<input type="radio"/> All points > 3 lbs <input type="radio"/> Unknown
	Reason unknown
	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems

Neck extension range of motion**Participant is seated in a chair facing away from the examiner. The examiner is positioned at the participant's side. Examiner instructs participant, Keeping your back against the chair, raise your head up and back as far as you can."**

79a. Neck extension range of motion

"Is this movement painful or uncomfortable?"

- 79b. Neck extension painful motion ☐ No pain ☐ Pain present ☐ Unknown
- Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

Right neck active rotation

Participant is seated with the examiner positioned behind and above participant. Examiner instructs participant, **"Move your head to look as far right as you possibly can."**

- 79c. Right neck active rotation (degrees)
- 79d. Right neck rotation painful? ☐ No pain ☐ Pain present ☐ Unknown
- Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

Left neck active rotation

"Move your head to look as far left as you possibly can."

- 80a. Right neck active rotation (degrees)
- 80b. Right neck rotation painful? ☐ No pain ☐ Pain present ☐ Unknown
- Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

PARTICIPANT WILL BE SEATED IN A CHAIR FOR THE NEXT PART OF THE EXAMINATION

Participant kneels in chair, facing back of chair

- 81b. Achilles reflex, right ☐ Normal ☐ Absent ☐ Slightly brisk ☐ Hyperreflexia ☐ Unknown
- Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems
- 81a. Achilles reflex, left ☐ Normal ☐ Absent ☐ Slightly brisk ☐ Hyperreflexia ☐ Unknown
- Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

Protocol ID: _____
Study Name: _____
Site: _____
Event Name: _____
Event Date: _____

Study Subject ID: _____
Interviewer Name: _____
Interview Date: _____

Section Title: Extremities Inspection**Instructions:****Clinical Classification Score**

"Do you have pain in your lower legs that is worse when standing for long periods of time and is relieved by sitting and elevating legs?"

82. Pain in lower legs ☐ Yes ☐ No

82a. Is the pain from arthritis or joint problems? ☐ Yes ☐ No

82b. Is the pain worse while walking? ☐ Yes ☐ No

"Do you need over-the-counter or prescription medication to relieve the pain?"

82c. Clinical score for pain ☐ NO ☐ YES Severe requiring analgesics ☐ Unknown ☐ Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

On a scale of one to ten, with 1 being no pain and 10 being the worse pain ever, how would you rate your pain?

82d. Rate your pain ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ Unknown ☐ Refused

Edema - fluid in the subcutaneous tissue that indents with pressure

83. PE_Clinical score for edema ☐ None ☐ Trace pitting ☐ Very obvious pitting ☐ Unknown

Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

84. Clinical score for pigmentation ☐ None ☐ Ankle only ☐ More than ankle ☐ Unknown ☐ Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

85. Clinical score for lipodermatosclerosis ☐ None ☐ Ankle only ☐ More than ankle ☐ Unknown ☐ Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

86. Lower extremity ulcer ☐ No ulcers or only ulcers from trauma ☐ Single ulcer ☐ Multiple ulcers ☐ Unknown ☐ Reason unknown ☐ 555 - Physical problems ☐ 666 - Mental problems ☐ 777 - Both Physical and Mental problems ☐ 888 - Refused but could do ☐ 999 - Technical Problems

87. Clinical score for ulcer size ☐ No ulcers no healed ulceration go to inspection ☐ No active ulcer but healed ulceration present go to inspection ☐ Open ulcer(s) largest ulcer is < 2 cm diameter ☐ Open ulcer(s) largest ulcer is = > 2 cm diameter ☐ Unknown

Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
88. Clinical score for ulcer duration	<input type="radio"/> Ulcer(s) for < 3 mo <input type="radio"/> Ulcer(s) for = > 3 mo <input type="radio"/> Unknown
Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
89. Clinical score for ulcer recurrence	<input type="radio"/> Has first ulcer not recurrent <input type="radio"/> Has ulcer first recurrence <input type="radio"/> Has ulcer more than once <input type="radio"/> Unknown
Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems

90. Extremities inspection☐ None ☐ Amputation ☐ Paralysis ☐ Paresis ☐ Unknown

Reason unknown	<input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems
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91. Amputations - multiple choice (indicate location):

Right upper extremity

- ☐
- Above elbow
-
- ☐
- Below elbow
-
- ☐
- Metacarpal
-
- ☐
- Digits

1st finger	<input type="checkbox"/> 1	2nd finger	<input type="checkbox"/> 2	3rd finger	<input type="checkbox"/> 3	4th finger	<input type="checkbox"/> 4	5th finger	<input type="checkbox"/> 5
------------	----------------------------	------------	----------------------------	------------	----------------------------	------------	----------------------------	------------	----------------------------

Left upper extremity

- ☐
- Above elbow
-
- ☐
- Below elbow
-
- ☐
- Metacarpal
-
- ☐
- Digits

1st finger	<input type="checkbox"/> 1	2nd finger	<input type="checkbox"/> 2	3rd finger	<input type="checkbox"/> 3	4th finger	<input type="checkbox"/> 4	5th finger	<input type="checkbox"/> 5
------------	----------------------------	------------	----------------------------	------------	----------------------------	------------	----------------------------	------------	----------------------------

Right lower extremity

- ☐
- Above knee
-
- ☐
- Below knee
-
- ☐
- Metatarsal
-
- ☐
- Digits

1st toe	<input type="checkbox"/> 1	2nd toe	<input type="checkbox"/> 2	3rd toe	<input type="checkbox"/> 3	4th toe	<input type="checkbox"/> 4	5th toe	<input type="checkbox"/> 5
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Left lower extremity

- ☐
- Above knee
-
- ☐
- Below knee
-
- ☐
- Metatarsal
-
- ☐
- Digits

1st toe	<input type="checkbox"/> 1	2nd toe	<input type="checkbox"/> 2	3rd toe	<input type="checkbox"/> 3	4th toe	<input type="checkbox"/> 4	5th toe	<input type="checkbox"/> 5
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92. Paralysis - multiple choice (indicate limb):

Upper extremity	<input type="checkbox"/> Right	Upper extremity	<input type="checkbox"/> Left
Lower extremity	<input type="checkbox"/> Right	Lower extremity	<input type="checkbox"/> Left

93. Paresis - multiple choice (indicate limb):

Upper extremity	<input type="checkbox"/> Right	Upper extremity	<input type="checkbox"/> Left
Lower extremity	<input type="checkbox"/> Right	Lower extremity	<input type="checkbox"/> Left

Protocol ID: _____
Study Name: _____
Site: _____
Event Name: _____
Event Date: _____

Study Subject ID: _____
Interviewer Name: _____
Interview Date: _____

Section Title: Hand Exam**HAND EXAM: BONY PROMINENCE****RIGHT
WRIST_R**

T ☐ WRIST_R_T E ☐ WRIST_R_E D ☐ WRIST_R_D

CMC_R

T ☐ CMC_R_T E ☐ CMC_R_E D ☐ CMC_R_D

MCP5_R

T ☐ MCP5_R_T E ☐ MCP5_R_E D ☐ MCP5_R_D

MCP4_R

T ☐ MCP4_R_T E ☐ MCP4_R_E D ☐ MCP4_R_D

MCP3_R

T ☐ MCP3_R_T E ☐ MCP3_R_E D ☐ MCP3_R_D

MCP2_R

T ☐ MCP2_R_T E ☐ MCP2_R_E D ☐ MCP2_R_D

PIP2_R

T ☐ PIP2_R_T E ☐ PIP2_R_E D ☐ PIP2_R_D

PIP3_R

T ☐ PIP3_R_T E ☐ PIP3_R_E D ☐ PIP3_R_D

PIP4_R

T ☐ PIP4_R_T E ☐ PIP4_R_E D ☐ PIP4_R_D

DIP2_R

T ☐ DIP2_R_T E ☐ DIP2_R_E D ☐ DIP2_R_D

DIP3_R

T ☐ DIP3_R_T E ☐ DIP3_R_E D ☐ DIP3_R_D

Right Hand ☐ All normal ☐ Unknown Reason unknown

- ☐ 555 - Physical problems
☐ 666 - Mental problems
☐ 777 - Both Physical and Mental problems
☐ 888 - Refused but could do
☐ 999 - Technical Problems

HAND EXAM: BONY PROMINENCE**LEFT
WRIST_L**

T ☐ WRIST_L_T E ☐ WRIST_L_E D ☐ WRIST_L_D

CMC_L

T ☐ CMC_L_T E ☐ CMC_L_E D ☐ CMC_L_D

MCP5_L

T ☐ MCP5_L_T E ☐ MCP5_L_E D ☐ MCP5_L_D

MCP4_L

T ☐ MCP4_L_T E ☐ MCP4_L_E D ☐ MCP4_L_D

<i>MCP3_L</i>					
T	<input type="checkbox"/> MCP3_L_T	E	<input type="checkbox"/> MCP3_L_E	D	<input type="checkbox"/> MCP3_L_D
<i>MCP2_L</i>					
T	<input type="checkbox"/> MCP2_L_T	E	<input type="checkbox"/> MCP2_L_E	D	<input type="checkbox"/> MCP2_L_D
<i>PIP2_L</i>					
T	<input type="checkbox"/> PIP2_L_T	E	<input type="checkbox"/> PIP2_L_E	D	<input type="checkbox"/> PIP2_L_D
<i>PIP3_L</i>					
T	<input type="checkbox"/> PIP3_L_T	E	<input type="checkbox"/> PIP3_L_E	D	<input type="checkbox"/> PIP3_L_D
<i>PIP4_L</i>					
T	<input type="checkbox"/> PIP4_L_T	E	<input type="checkbox"/> PIP4_L_E	D	<input type="checkbox"/> PIP4_L_D
<i>DIP2_L</i>					
T	<input type="checkbox"/> DIP2_L_T	E	<input type="checkbox"/> DIP2_L_E	D	<input type="checkbox"/> DIP2_L_D
<i>DIP3_L</i>					
T	<input type="checkbox"/> DIP3_L_T	E	<input type="checkbox"/> DIP3_L_E	D	<input type="checkbox"/> DIP3_L_D
Left Hand	<input type="radio"/> All normal <input type="radio"/> Unknown		Reason unknown <input type="radio"/> 555 - Physical problems <input type="radio"/> 666 - Mental problems <input type="radio"/> 777 - Both Physical and Mental problems <input type="radio"/> 888 - Refused but could do <input type="radio"/> 999 - Technical Problems		

Protocol ID: _____
Study Name: _____
Site: _____
Event Name: _____
Event Date: _____

Study Subject ID: _____
Interviewer Name: _____
Interview Date: _____

Section Title: Physical Exam
<i>Instructions:</i>