

Study of Osteoporotic Fractures (SOF)

Study Collection Forms

Visit 4

Physical Performance

Physical Performance

Form Type: Clinic Examination

LEGEND:

Raw form variable names are located next to the question they represent and do not have a border around the variable name. Calculated variable names are derived from other variables and have a border around the variable name. The calculated variables names are located in close proximity to the questions from which they were derived.

Some of the questions and measurements on these forms are not being released, and therefore no variable name is provided for them.

ver. 4	² Chair Sta	ind/Gait	PPT. ID:
	Do you have any problems from recent sure that might prevent you from standing up fro		
	yes V4PROB Before we do each test, I'll describe it to yo Please tell me if you think that you shouldr attempt the test because of the problems y	't	no
	Chair Stand (Stand up 5 times)		
	Armuse: 5 times w/o using arms at all V4CHR 5 times, uses arms part of time 5 times, uses arms all of time	 attempted but unable to without help did not attempt (refused) attempted, but unable to once without help 	V4STDARM
	Time: V4CHRTM seco Was that as this as fast as you can do it yesno → If no, repeat test. Repeat time here if a secon Time: V4CHTM2	V4CHFAST	
	☐ crutch* ☐ did not atten	* ☐ quad cane* ☐ walker * npt/unable ☐ attempted but una e symbol have been combined	
	Trial 1 Number of steps Number of Seconds Trial 2 Number of steps Number of Seconds	□ refused □ unable □ refused V4ST □ unable V4WL	PLGT
	Rapid Pace Number of steps Number of Seconds	refused V4RS	

home visit ver. 4.1 7/93	Chair Stan	d/Gait	PPT. ID:					
	any problems from recent surge vent you from standing up from							
Please tell m	yes each test, I'll describe it to you e if you think that you shouldn't est because of the problems yo		no					
Chair Stand	(Stand up 5 times)							
Armuse:	 5 times w/o using arms at all 5 times, uses arms part of time 5 times, uses arms all of time 	 attempted but unable to without help did not attempt (refused) attempted, but unable to once without help)					
Time:	• second	ds to complete 5 sta	inds					
Was this as yes Time:	Repeat time here if a second trial is required.							
GAIT		☐ quad cane	able					
Usual Pace								
Trial 1 Number o Number o	of steps of Seconds =	refused	Length of walking course					
Trial 2 Number o Number o	of steps of Seconds	refused	2 meter 3 meter 4 meter					
Rapid Pace Number of Number o	f steps f Seconds ■	☐ refused ☐ unable	5 meter 6 meter					

7/22/93 Performance Cohort V4 TANDEM STAND/SQUAT TEST PPT. ID_____

Tandem stand (eyes open) refused	YES
Semi tandem stand (eyes open) seconds held attempted but unable Position held 10 seconds or longer? NO	YES V4TSBALO
Side by side stand (eyes open) 	YES
O TO NEXT EXAM	GO TO NEXT EXAM

Squat test								
Was participant able to perform chair stand test v	Was participant able to perform chair stand test without examiner assistance?							
V4EXASS Ves No								
Perform squat test Go to next exam								
V4SQUAT 🕈								
Completed without assistance	Unable							
Completed with assistance of arms	Refused							
Completed with examiner assistance								

	Onp and Quad	leepe energin	PPT. ID:						
Grip Strength		V40	GRPAVG						
Stroke or injury causing weakness? Stroke or injury causing weakness? No - test both sides Yes - test unaffected side V4GRPRAV kg V4GRPLAV									
Recent worsening of pair		refused unable weakened	kg V4GRPLAV kg refused unable weakened						
Quadriceps Streng	jth								
Do you have an aneurism In the past four weeks, ha	2	d for a heart attack o	or myocardial infarction?						
□ Neither □ □ Aneurism □	Both is considered a	hen don't do this tes "No".)	t. ("Don't know"						
refused	unable								
Have you had a kne the past 8 weeks?	e replacement or fracture	e or surgery on eithe	er leg in						
None of the abo	ove Fracture								
Knee replacem	ent Surgery								
If yes to any con	dition, then only test	unaffected side.							
Lever arm setting	_								
Length of lever arm	cm	(Port)							
	Trial 1	Tria							
RIGHT: peak _	V4QRAVG Ibs	peak	RMAX Ibs						
avg _	V4QRAAVG Ibs	avg V4QR	AMAX Ibs						
LEFT: peak _	V4QLAVG Ibs	peak V4Q	Ibs						
avg	V4QLAAVG Ibs	avg V4QLA	AMAX Ibs						
V4QMAX	(A V4QAVGA	V4QRLMAX	V4QLRAVG						

Grip and Quadriceps Strength

home visit ver. 4.1 7/93	Grip Stre	ength and	Tandem	Stand	PPT. IC	D:	
Grip Strength							
Stroke or injury cause No - test both side Recent worsening of No - test both side	es ∏Yes f pain or ar	- test unaffe side thritis?	}	Right	kg kg	Left	kg kg
				weakened			
Tandem Stand							$\overline{}$
	onds held	attempted 10 seconds	refused but unable or longer?		YES		
	onds held		refused but unable ds or longe		YES		
	NO		, i i i i i i i i i i i i i i i i i i i				
	onds held		refused but unable Is or longer		YES		
001		4				•	
GOT	"O NEXT EXAN	1			G	O TO NEXT EXAM	1

Screening questions:		yes*	no	don't know
HAVE YOU HAD:		yes	no	don t know
Diarrhea or vomiting in t	he past 24 hours?			
One or more cups of a on 12 hours?	caffeinated beverage in the past			
One or more drinks of a	Icohol in the past 12 hours?			
*If yes, do not contin	ue. This participant no longe	r a BCC	particip	ant
POSITION				
	PROPPED UP (sitting or	half sitting)		
MEASUREMENTS	Electrode Positio	ons		
	1 . Right Hand/ Right Foot	2 . Right Left F		
Resistance				
Reactance				
Impedance	<u> </u>			
Phase Angle		_•		
* If resistance sets of measu	measures differ by more than 20, re	epeat both		
REPEAT MEASUREMENT	<u>S</u> <u>Electrode Positio</u>	<u>ns</u>		
	1 . Right Hand/ Right Foot	2 . Right Left F		
Resistance				
Reactance				
Impedance				
Phase Angle	•		_•	
Amputation, cast, c			placeme	nt?

BIOELECTRICAL IMPEDANCE PPT. ID

TRICEPS MUSCLE STRENGTH PPT.ID_____

•	_	- 11	-
Δ	cro	CTI	<u><u> </u></u>
		้อน	U .

Examiner ID#
Have you ever had a stroke or injury or mastectomy that has made one side weaker than the other?
NO Proceed with right side only
YES Test right and left sides.

Test (2 trials)	<u>Force</u>			Overo subje resis	
RIGHT SIDE		Refused	Unable	Yes	No
Triceps	1 kg V4TRMAXR			□ 	
	V4TRAVGR	Refused	Unable	Yes	No
	2 kg				
				- 	

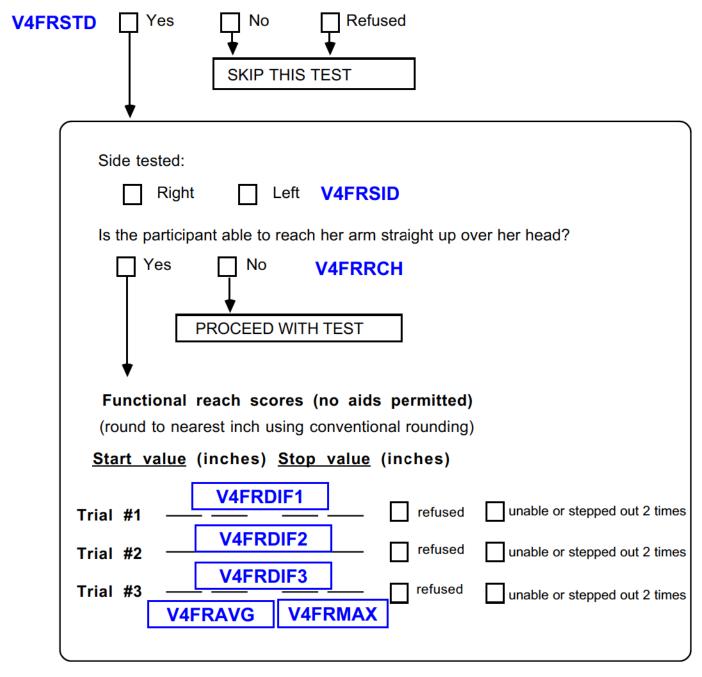
Test (left side if i	Overcome subject's <u>resistance</u> ?				
LEFT SIDE		Refused	Unable	Yes	No
Triceps	1 kg				
	V4TRMAXL			V4	TLRS
	V4TRAVGL	Refused	Unable	Yes	No
	2 kg				
			1		

PPT. ID_____

Have you ever had a stroke or injury or mastectomy that has left one arm weaker or clumsier than the other?								
V4C								
	 Which side? ☐ Right → Test LEFT side ☐ Left → Test RIGHT side ☐ Both → Test a) "better" or b) dominant side Dominant side (from cover page) ☐ Right → Test RIGHT side ☐ Left → Test LEFT side ☐ Left → Test LEFT side ☐ Ambidextrous → Test right side 							
or	In the past 24 hours, have you used any medication to help you sleep, or relax, or for anxiety of nerves, such as Valium, Xanax, Librium, Elavil, Dalmane, and others? V4M24 Yes No DK							
		D V4RTHANI Right Left	Unable to tes	st 🗌 Re	efused			
<u>Trial #</u>	<u>Delay</u>	Response time	<u>Total time</u>	Unable*	Machine malfuncti	on		
1	5 sec	V4HRTAVG	V4HTTAVG					
2	3 sec	V4HRTSTD	V4HTTSTD					
3	3 sec	V4HRTCV	V4HTTCV					
4 5	4 sec		V4HTAV					
5 6	2 sec 5 sec	V4HRST	V4HTST V4HTCV					
7	2 sec	V4HRCV	<u></u>					
8	1 sec	_·						
9	1 sec	_·	<u>·</u>					
10	4 sec							
	-				-)		

*Participant misses pad or is inattentive more than once for a given trial.

Is the participant able to stand on both feet for 30 seconds?



Hearing Test

PPT. ID:_____

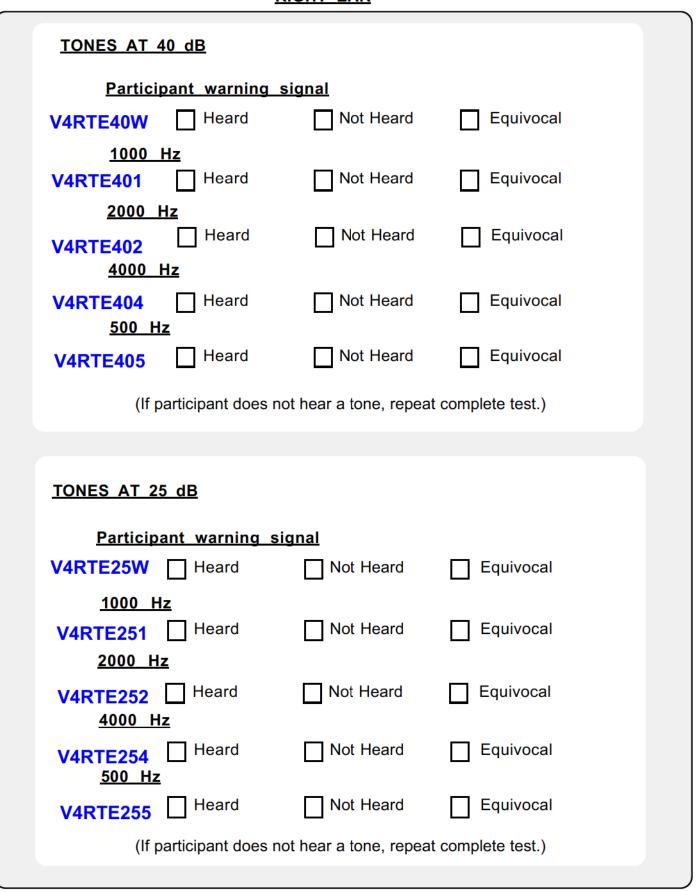
RIGHT EAR

1. Do you have any ringing or hissing sounds in your RIGHT ear?
V4RTERNG Yes No Don't know
2. Do you usually wear a hearing aid in your RIGHT ear?
V4RTEAID Yes No
♦ (If yes, ask ppt to remove hearing aid and proceed with testing.)
3. Was the tympanic membrane visible?
V4RTETYM Yes No
★
Did you see an obstruction?V4RTEOBS
□ No (<u>+</u> a little wax)
Partial
Yes - completely blocked
V4HRIMP

ver. 4.1

Hearing Test <u>RIGHT EAR</u>

PPT. ID:



Hearing Test

PPT. ID:_____

<u>LEFT EAR</u>

1. Do you have any ringing or hissing sounds in your LEFT ear?
V4LFERNG Yes No Don't know
2. Do you usually wear a hearing aid in your LEFT ear?
V4LFEAID Yes No
(If yes, ask ppt to remove hearing aid and proceed with testing.)
3. Was the tympanic membrane visible?
V4LFETYM Yes No
Did you see an obstruction? V4LFEOBS No (<u>+</u> a little wax) Partial
Yes - completely blocked



Hearing Test <u>LEFT EAR</u>

TONES AT 40 dB Participant warning signal Heard Not Heard Equivocal **V4LFE40W** 1000 Hz **V4LFE401** Heard Not Heard Equivocal 2000 Hz **V4LFE402** Heard Not Heard Equivocal 4000 Hz **V4LFE404** Not Heard Heard Equivocal 500 Hz **V4LFE405** Heard Not Heard Equivocal (If participant does not hear a tone, repeat complete test.) TONES AT 25 dB Participant warning signal V4LFE25W Not Heard Equivocal Heard 1000 Hz **V4LFE251** Heard Not Heard Equivocal 2000 Hz **V4LFE252** Heard Not Heard Equivocal 4000 Hz **V4LFE254** Heard Not Heard Equivocal 500 Hz **V4LFE255** Heard Not Heard Equivocal (If participant does not hear a tone, repeat complete test.)

ver. 4.2	Peak Exp	iratory Flow	PI	PT. ID:
Two practice trials:				
1	liters/min	2	lite	ers/min
Actual three trials:				
1	liters/min	refused	unable	
2	liters/min	refused	unable	V4PEFAVG V4PEFMAX
3	liters/min	refused	unable	
In what position did the part	icipant perform	n this test?		
Standing up	🗌 refu	ised	FPOS	
Sitting	🗌 una			
Lying down Using your subjective judgr with this procedure (check a			•	ifficulty
V4PEFNOD No difficulty				
V4PEFUND Did not appear to u	nderstand inst	ructions		
V4PEFSL Could not achieve t	ight seal			
V4PEFCOU Coughing, breathle	SS			

Height & Weight

Height Measurement Using the Harpe	nden Stadiometer
Measurement 1:mm	Measurement 3*:mm
Measurement 2:mm	Measurement 4*:mm
Participant Facing: 🔲 Forward	Sideways
*Perform measurements 3 and 4 1 and 2 differ by 4 or more millime	
WEIGHT	
 Kgs.	

home visit ver. 4.1 7/93	Peak Expira	tory Flow	PPT. ID:
Two practice tr	ials:		
1	liters/min	2	liters/min
Actual three tri	als:		
1	liters/min	refused	unable
2	liters/min	refused	unable
3	liters/min	refused	unable
In what positio	n did the participant perform t	his test?	
Standir	ng up 🗌 refuse	d	
Sitting	unable	e	
	lown ojective judgment, record whe dure (check all that apply):	ther the par	rticipant had difficulty
No diffi	culty		
Did not	appear to understand instruc	tions	
Could I	not achieve tight seal		
Cough	ing, breathless		

Height & Weight

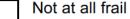
Height Measurement Using Wall and Right Angle Measurement 1:cm X 10mm Measurement 2:cm X 10mm Participant Facing: Forward Sideways *Perform measurements 3 and 4 if measurements 1 and 2 differ by 4 or more millimeters		
Measurement 2:cm X 10mm Participant Facing: Forward Sideways *Perform measurements 3 and 4 if measurements 1 and 2 differ by 4 or more millimeters WEIGHT	Height Measurement Using Wall and Right Angle	
Participant Facing: Forward Sideways *Perform measurements 3 and 4 if measurements 1 and 2 differ by 4 or more millimeters WEIGHT lbs Kgs.	Measurement 1:cm X 10mm	
*Perform measurements 3 and 4 if measurements 1 and 2 differ by 4 or more millimeters WEIGHT 	Measurement 2:cm X 10mm	
1 and 2 differ by 4 or more millimeters WEIGHT	Participant Facing: Forward Sideways	
• lbs• Kgs.		
3	WEIGHT	
5	• Ibs • Kgs.	
	(not to be entered)	

1. Compartment and Fastener	<u>Open (se</u>	econds)	<u>Close (sec</u>		
				<u>Refused</u>	<u>Unable</u>
Door knob		•	•	□	
Round knob		_•			
					_
Cabinet lock		•	•	_ □	
		_			
2. Hand participant	t used: V4HNDI	DR	V4TMP		_
			V4TMP V4TMPMAX	V4TMP10S	
2. Hand participant	t used: V4HNDI	Both	V4TMPMAX	V4TMP10S	
Right		Both	V4TMPMAX V4TMPDO5		undsplints,
Right 3. Was the particip	Left	Both	V4TMPMAX V4TMPDO5		undsplints,
Right 3. Was the particip casts, hooks, etc?	Left E	Both g any speci	V4TMPMAX V4TMPDO5 ial devices on her	hand such as ha	
Right 3. Was the particip casts, hooks, etc?	Left Control Left Control Left Control Left Control Co	Both g any speci	V4TMPMAX V4TMPDO5 ial devices on her	hand such as ha	

Examiner assessment of frailty

Defining frailty as a combination of the following characteristics - weak, unsteady, and fragile, what is your overall assessment of this participant's level of frailty?

V4FRAIL



Somewhat frail

Extremely frail

Exam explanations and comments

If participant did not perform certain sections of this visit 4 exam, please briefly record what the section was and the reason why it wasn't performed. Include equipment problems as well as participant's reasons.

Examiner assessment of frailty

Defining frailty as a combination of the following characteristics - weak, unsteady, and fragile, what is your overall assessment of this participant's level of frailty?



Not at all frail

Somewhat frail

Extremely frail

Exam explanations and comments

If participant did not perform certain sections of this visit 4 exam, please briefly record what the section was and the reason why it wasn't performed. Include equipment problems as well as participant's reasons.