Discovery Study Questionnaire

Parkinson's Disease Group
Nurse Questionnaire Visit 1

Version 1, 26/12/2015

Attach Patient ID Sticker:

Patient Initials　□.□.□

Patient D.O.B:　□□.□□.□□□□

Patient Sex:　□₁　　□₂
　　　　　　　Male　　　Female

Interviewer ID:_____

Visit Date:_____

M. GENERAL EXAMINATION

Ask the patient to lie flat for 3 minutes and then check his or her blood pressure and pulse TWICE:

<u>1st measurement</u>

1. Lying systolic BP ☐☐☐

2. Lying diastolic BP ☐☐☐

3. Lying pulse rate ☐☐☐

<u>2nd measurement</u>

4. Lying systolic BP ☐☐☐

5. Lying diastolic BP ☐☐☐

6. Lying pulse rate ☐☐☐

Stand the patient upright and measure their blood pressure and pulse after 2 minutes of standing:

7. Standing systolic BP ☐☐☐

8. Standing diastolic BP ☐☐☐

9. Standing pulse rate ☐☐☐

Ask the patient to take their jacket and shoes off.

10. Height on standing (m) ☐.☐☐

11. List any problems that may lead to underestimation of height:_____

12. Weight (kg) ☐☐☐

13. Shoe size (UK size, round up if half size) ☐☐☐

14. Leg length (cm, ASIS to medial malleolus):   Right leg ☐☐☐

                                                      Left leg ☐☐☐

15. Axivity sensor height from floor (cm) ☐☐☐

N. MMSE

Orientation	**1.** Can you tell me today's <u>date/month/year</u>? _____/_____/_____ Which <u>day</u> is it today? _____ Can you tell me which <u>season</u> it is? _____ *(Winter: Nov-Mar; Spring: Mar-Jun; Summer: Jun-Sep, Autumn: Sep-Dec)*	5	
	2. What <u>town (or city)</u> are we in? _____ What is the <u>county</u>? <u>Country</u>? _____/_____ What <u>building</u> are we in and on what <u>floor</u>? _____/_____	5	
Registration	**3.** I would like to test your memory. I'm going to say some words and I would like you to listen carefully and, when I've finished, repeat them after me. "apple, penny, table" Can you repeat the words I said? _____/_____/_____ *(1 point per word for each correct response on <u>first trial</u>. Repeat them a maximum of 5 times until all three are remembered)* *Record number of trials here: _____*	3	*(score trial 1 only)*
Attention & Calculation	**4.** From 100, keep subtracting 7 and give each answer. (93_86_79_72_65) _____/_____/_____/_____/_____ *(Stop after 5 responses. Score 1 point for each correct response, correct response is 7 less than previous response, even if previous response is incorrect).*	5	
Recall	**5.** What were the three words I asked you to say earlier? *(Score 1 point for each correct response irrespective of the order of recall)* _____/_____/_____	3	
Language	**6.** Name the following objects (*show a watch*) and (*show a pencil*)	2	
	7. Repeat the following: "no ifs, ands or buts" _____	1	
	8. (*present paper*) Take this paper in you left (or right) hand, fold it in half once with both hands, and place it on the floor.	3	
Reading	**9.** (*show written instruction* "Close your Eyes") Read this sentence and do what it says. *(Score 1 point if person closes their eyes – they do not have to read aloud)*	1	
Writing	**10.** Now can you write a short sentence for me? *(Score 1 point if sentence contains a subject and an object and makes sense. Ignore spelling errors)*	1	
Construction	**11.** Will you copy this drawing please? *(Score 1 point if all sides and angles are preserved and the intersecting sides form a quadrangle)*	1	
TOTAL		30	_____

O MOCA

1.a. Trail Making:	**"**Please draw a line, going from a number to a letter in ascending order. Begin here (*point to 1*) and draw a line from 1 then to A then to 2 and so on. End here (*point to E*)." *Scoring: 0-1. Any error that is not immediately corrected scores 0.*	**1**	
1.b. Cube:	"Copy this drawing as accurately as you can in the space below". *Scoring 0-1.*	**1**	
1.c. Clock:	"Draw a clock. Put in all the numbers and set the time to 10 past 11". *Scoring 0-3.*	**3**	
2. Naming:	*Beginning on the left, point to each figure and say* "can you name this animal?". _____/_____/_____ *Scoring 0-3.*	**3**	
3. Memory:	"This is a memory test. I am going to read a list of words that you will have to remember now and later on. Listen carefully. When I am through, tell me as many words as you can remember. It doesn't matter in what order you say them". *Read the words at the rate of 1 per second. Tick items recalled on first trial. When the subject indicates s/he has finished, read the list a second time with the following instructions:* "I am going to read the same list for a second time. Try to remember and tell me as many words as you can, including words you said the first time" <table><tr><td></td><td>FACE</td><td>VELVET</td><td>CHURCH</td><td>DAISY</td><td>RED</td></tr><tr><td>1st Trial</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2nd Trial</td><td></td><td></td><td></td><td></td><td></td></tr></table>	**No points**	
4. Attention: Forward Digit Span: **Backward Digit Span:**	"I am going to say some numbers and when I am through, repeat them to me exactly as I said them". *Read at rate of 1 digit per second. Scoring: 0-1.* [ ] 2 1 8 5 4 _____/_____/_____/_____/_____ "Now I am going to say some more numbers, but when I am through you must repeat them to me in the <u>backwards</u> order". *Read at rate of 1 digit per second. Scoring: 0-1.* [ ] 7 4 2 _____/_____/_____	**2**	
5. Vigilance:	"I am going to read a sequence of letters. Every time I say the letter A, tap your hand once. If I say a different letter, do not tap your hand". *(Read at rate of 1 letter per second. Cross letter if subject taps. More than 1 error = 0)* [ ] F B A C M N A A J K L B A F A K D E A A A J A M O F A A B	**1**	
6. Serial 7s	*Do not re-administer this. Copy responses from MMSE and re-score as follows:* *4 or 5 correct subtractions = 3 pts, 2 or 3 correct = 2 pts, 1 correct = 1 pt, 0 correct = 0 .*	**3**	

7. Language	"I am going to read you a sentence. Repeat it after me, exactly as I say it'' *(pause):* I only know that John is the one to help today. [ ] _____ The cat always hid under the couch when dogs were in the room. [ ] _____	**2**	
8. Phonemic Fluency	*See next page for administration instructions and recording of responses. Just administer letter 'F' at this stage. Score 1 point if 11 or more words are generated.*	**1**	
9. Abstraction	"Tell me how an orange and a banana are alike". *If subject gives a concrete response, say "Tell me another way in which those items are alike". If subject gives a second incorrect response, provide correct response (i.e. "they are both fruit").* "Now, tell me how a train and a bicycle are alike" _____ [ ] *means of transport/travelling, take trips in both* "Now tell me how a watch and a ruler are alike" _____ [ ] *measuring instruments, used to measure*	**2**	
10. Delayed Recall	"I read some words to you earlier, which I asked you to remember. Tell me as many of those words as you can remember". *Do not provide any cues. Tick items correctly recalled.*	**5**	

FACE	VELVET	CHURCH	DAISY	RED

11. Orientation	*Copy Orientation responses from MMSE and re-score appropriately (1 point for each correct response).* [ ] Date [ ] Month [ ] Year [ ] Day [ ] Place [ ] City	**6**	
TOTAL		**30**	_____

12. Does the patient have any handicaps (poor eyesight, poor hearing, etc) that may impact on his or her performance in the above tests?

	Yes		No
	☐₁		☐₂

13. If 'Yes' to above, specify:_____

➔ *Complete Phonemic Fluency overleaf (letters A and S). Repeat the instructions, reminding the subject that they have recently completed a similar task.*

P. PHONEMIC FLUENCY

I am going to say a letter of the alphabet. When I say *begin*, I want you to tell me as many words as you can that begin with that letter. You will have 60 seconds before I tell you to stop. None of the words can be names of people, or places, or numbers. For example, if I gave you the letter *T*, you could say *take, toy, tooth* and so forth, but you should not say *Tom* because that is a person's name, you should not say *Texas* because that is the name of a place and you should not say *twelve* because that is a number. Also, do not give me the same word with different endings. For example, if you say *take*, you should not also say *takes* and *taking*. Do you have any questions? The first letter is F. Ready? Begin. *[After 60s]* Stop.

[If no responses made during any 15s interval, say Keep going. Prompt only once per trial]

Time	F	A	S
1-15s			
16-30s			
31-45			
46-60s			
1. Total Correct	1.a. ☐☐	1.b. ☐☐	1.c. ☐☐
2. Set-Loss Errors	2. a. ☐☐	2. b. ☐☐	2. c. ☐☐
3. Repetition Errors	3. a. ☐☐	3. b. ☐☐	3. c. ☐☐

Q. SEMANTIC FLUENCY

Now we are going to do something a little different. This time, I want you to tell me as many animals [boys' names] as you can. It doesn't matter what letter they start with. However, please try to avoid giving me lots of different breeds of the same animal/[different versions of the same name]. Just try to think of as many *different* animals [names] as you can. You will have 60 seconds before I tell you to stop. Do you have any questions? Ready? Begin. *[After 60s]* Stop. *[If no responses made during any 15s interval, say Keep going. Prompt only once per trial]*

	Animals	**Boys' Names**
1-15s		
16-30s		
31-45		
46-60s		
Total Correct	1.a. ☐☐	1.b. ☐☐
Set-Loss Errors	2. a. ☐☐	2. b. ☐☐
Repetition Errors	3. a. ☐☐	3. b. ☐☐

R. PURDUE PEGBOARD TEST

Hand testing

Time the patient and stop each task after **30s**. Count the number of pins inserted.

1. Right hand score   □□

2. Left hand score   □□

3. Both hands score   □□

Assembly (lasts 60s)

Time the patient and stop the task after **60s**. Count the number of ALL correctly assembled items (a set of 'pin-washer-collar-washer' counts as 4, an incomplete set 'pin-washer' as 2, etc.)

4. Score   □□

S. TIMED 'GET UP AND GO' AND FLAMINGO TEST

Get Up & Go Test

For this test a 3 metres walking course with no obstructions for an additional 1 meter at either end is required. Mark 3 meters on the floor. Ask the patient to get up and walk at their normal pace to the mark, turn round and walk back to the chair. Time the action from getting up to sitting down in the chair. Record time at three consecutive attempts.

1. First attempt

☐☐.☐☐
  mm ss

2. Second attempt

☐☐.☐☐
  mm ss

3. Third attempt

☐☐.☐☐
  mm ss

4. Was there any pain during the test?   Yes   No

☐₁   ☐₂

5. Was any walking aid used?   Yes   No

☐₁   ☐₂

5.1 If 'Yes' to above, specify:_____

6. On what type of floor surface was the testing done:_____

7. If test abandoned, specify reason:_____

Flamingo Test

Ask the patient to stand with feet together looking ahead at the opposite wall. When patient is ready ask him or her to lift one foot a few inches off the ground and stand in that position for 30 seconds. If the first attempt fails ask him or her to try one more time. Record the time of the longest attempt.

8. Time in seconds (max 30s)   ☐☐

9. If test abandoned, specify reason:_____