30-32 (1) Form Number

33 (2) Version Number

40 (518) Seq. #

SHEP NEUROLOGICAL EVALUATION FOR STROKE

1. SHEP ID: (3) 22 23 - (4) 24 25 26 27 - (5) 28 29 2. Acrostic: (6) 41-46 [ ][ ][ ][ ][ ][ ]

3. Date of Evaluation: (7) 36 37 (Month) 38 39 (Day) 34 35 (Year)

HISTORY, HOSPITAL RECORD, INTERVIEW

4. Handedness:

(8) 47 1 ☐ Left 2 ☐ Right 3 ☐ Ambidextrous or switched 4 ☐ Unknown

5. Previous or simultaneous myocardial infarction:

(9) 48
1 ☐ Yes, most recent more than 6 months ago
2 ☐ Yes, indeterminate age (e.g., ECG only)
3 ☐ Yes, less than 6 months ago
4 ☐ No
5 ☐ Unknown

6. Date of most recent myocardial infarction: (10) 49 50 (Month) 51 52 (Day) 53 54 (Year)

7. Evidence of valvular heart disease:

(11) 55 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

↓

Which valves? _____

8. Has the patient been diagnosed or treated for:

		Yes	No	Unknown
a.	Atrial fibrillation (12) 56	☐ 1	☐ 2	☐ 3
b.	Other arrhythmias (13) 57	☐ 1	☐ 2	☐ 3
c.	Angina (14) 58	☐ 1	☐ 2	☐ 3
d.	Congestive failure (15) 59	☐ 1	☐ 2	☐ 3
e.	Claudication in the lower limbs (16) 60	☐ 1	☐ 2	☐ 3
f.	Echocardiogram or cardiac CT shows mural thrombus or source of emboli (17) 61	☐ 1	☐ 2	☐ 3
g.	Systemic emboli (18) 62	☐ 1	☐ 2	☐ 3
h.	Other source for emboli (19) 63	☐ 1	☐ 2	☐ 3

9. Has the patient ever been diagnosed or treated for diabetes?

(20) 67
1 ☐ Yes, no treatment or diet only
2 ☐ Yes, oral agents
3 ☐ Yes, insulin
4 ☐ No
5 ☐ Unknown

10. Has the patient ever been diagnosed or treated for cancer?

(21) 68 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

↓

Type of cancer: _____

11. Is there evidence for intracranial infectious disease, brain tumor, trauma or metabolic cause (such as uremic coma) for the neurologic symptoms or signs?

(22) 66 1 ☐ Yes 2 ☐ No

↓

Explain: _____

12. Evidence for past history of migraines?

(23) 67 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

13. Evidence for past history of seizures?

(24) 68 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

14. Date and time (hour) of onset of these neurologic signs or symptoms?

(25) 69-74 [ ][ ] Month [ ][ ] Day [ ][ ] Year at (26) [75][76] Hour (27) 77 1 ☐ am 2 ☐ pm

15. a. Has the patient ever had a TIA?

(28) 78 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

↓ ↓

GO TO 16

b. How long ago?

(29) 79
1 ☐ 1-7 days ago
2 ☐ 8-30 days ago
3 ☐ 1-6 months ago
4 ☐ Over 6 months ago
5 ☐ Unknown

80

c. (30) Number of TIAs? 1 ☐ One 2 ☐ 2-5 3 ☐ 6-50 4 ☐ >50 5 ☐ Unknown

d. Vascular territory of past TIAs:

(31) 81
1 ☐ Right carotid
2 ☐ Left carotid
3 ☐ Vertebral-basilar
4 ☐ Multiple territories
5 ☐ Unknown

e. Prior TIA in same territory as present neurologic signs and symptoms?

82 (32) 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

16. a. Has the patient ever had a stroke before this event?

(33) 83 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

↓ ↓

GO TO 17

b. How long ago?

(34) 84
1 ☐ 1-7 days ago
2 ☐ 8-30 days ago
3 ☐ 1-6 months ago
4 ☐ Over 6 months ago
5 ☐ Unknown

85

c. (35) Number of strokes? 1 ☐ One 2 ☐ 2-5 3 ☐ >5 4 ☐ Unknown

d. Types of strokes (check all that apply):

(36) 86
1 ☐ Ischemic
1 ☐ Intracerebral hemorrhage (ICH) (37) 87
1 ☐ Subarachnoid hemorrhage (SAH) (38) 88
1 ☐ Unknown (39) 89

e. Vascular territory:

(40) 90
1 ☐ Right carotid
2 ☐ Left carotid
3 ☐ Vertebral-basilar
4 ☐ Multiple territories
5 ☐ SAH
6 ☐ Unknown

ONSET

17. Deficit present on awakening?

91 (41) 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

18. At the time of onset, was there:

	Yes	No	Unknown
a. 93 Severe headache (42) 92	☐ 1	☐ 2	☐ 3
b. (43) Vomiting	☐ 1	☐ 2	☐ 3
c. Seizures (44) 94	☐ 1	☐ 2	☐ 3
95 d. (45) Focal deficit	☐ 1	☐ 2	☐ 3
e. Decreased consciousness (46) 96	☐ 1	☐ 2	☐ 3
f. (47) Coma 97	☐ 1	☐ 2	☐ 3

19. (48) 98 Sudden onset with maximum deficit within 10 minutes? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

20. (49) 99 Worsening was steplike? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

21. (50) 100 Worsening was gradual? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

22. (51) 101 Deficit reached maximum within one week of onset? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

23. (52) 102 Improvement occurred even temporarily within the first 24 hours after onset? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

24. 103 (53) Was documented hypotension a possible precipitator of this event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

25. (54) 104 Were anticoagulants (heparin, coumadin) being used at the time of the event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

26. (55) 105 Were antiplatelet drugs being used at the time of the event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

EXAMINATION

106 (56) ☐ Not Done

27. Verbal response (aphasics are untestable):

(57) 107
1 ☐ Oriented and converses
2 ☐ Disoriented
3 ☐ Inappropriate words
4 ☐ Incomprehensible sounds
5 ☐ None
6 ☐ Untestable

28. Eye opening:

(58) 108
1 ☐ Spontaneous
2 ☐ To speech
3 ☐ To pain
4 ☐ None
5 ☐ Untestable

29. Motor response:

(59) 109
1 ☐ Obeys
2 ☐ Localizes
3 ☐ Withdraws
4 ☐ Abnormal flexion
5 ☐ Abnormal extension
6 ☐ None
7 ☐ Untestable

30. Degree of alertness:

(60) 110
1 ☐ Alert 2 ☐ Lethargic or drowsy 3 ☐ Stupor 4 ☐ Coma

31. a. Remainder of neurologic exam:

(61) 111
1 ☐ Normal → GO TO 32
2 ☐ Abnormal, focal
3 ☐ Abnormal, multifocal
4 ☐ Unknown → GO TO 32

b. (62) 112 Related to current event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

32. a. Weakness:

(63) 113
1 ☐ Normal → GO TO 33
2 ☐ Left hemiparesis
3 ☐ Right hemiparesis
4 ☐ Bilateral hemiparesis
5 ☐ Unknown → GO TO 33

b (64) 114 Related to current event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

33. Weakness scale--Fill in the proper codes in the boxes provided, and check "Not related" if an indicated abnormality is not due to present event. For tongue and face, use only codes 0, 1, 2, 6.

0=Normal	2=Against resistance	4=Without gravity	6=Untestable
1=Slight weakness	3=Against gravity	5=No movement	

	Left		Right	
a. (65) 115 Tongue	☐	(66) 116 1 ☐ Not related	117 (67) ☐	(68) 118 1 ☐ Not related
b. (69) 119 Face	☐	(70) 120 1 ☐ Not related	121 (71) ☐	(72) 122 1 ☐ Not related
c. (73) 123 Shoulder	☐	(74) 124 1 ☐ Not related	125 (75) ☐	(76) 126 1 ☐ Not related
d. (77) 127 Hand	☐	(78) 128 1 ☐ Not related	129 (79) ☐	(80) 130 1 ☐ Not related
e. (81) 131 Hip	☐	(82) 132 1 ☐ Not related	133 (83) ☐	(84) 134 1 ☐ Not related
f. (85) 135 Foot	☐	(86) 136 1 ☐ Not related	(87) 137 ☐	(88) 138 1 ☐ Not related

34. a. Ataxia:

(89) 139 1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both

↓

GO TO 35

b. (90) 140 Related to present event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

35. a. Extraocular movements:

(91) 141 1 ☐ Normal 2 ☐ Abnormal 3 ☐ Untestable

↓ GO TO 36 ↓ GO TO 36

Check if not related to present event:

b. (92) 142 Horizontal gaze palsy:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown (93) 143 1 ☐ Not Related

c. (94) 144 Vertical gaze palsy:
1 ☐ Absent 2 ☐ Up 3 ☐ Down 4 ☐ Both 5 ☐ Unknown (95) 145 1 ☐ Not Related

d. (96) 146 Internuc opthalmoplegia:
1 ☐ Absent 2 ☐ Present 3 ☐ Unknown (97) 147 1 ☐ Not Related

e. (98) 148 CN III palsy:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown (99) 149 1 ☐ Not Related

f. (100) 150 CN VI palsy:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown (101) 151 1 ☐ Not Related

g. (102) 152 Skew deviation:
1 ☐ Absent 2 ☐ Present 3 ☐ Unknown (103) 153 1 ☐ Not Related

h. (104) 154 Vertical nystagmus:
1 ☐ Absent 2 ☐ Present 3 ☐ Unknown (105) 155 1 ☐ Not Related

i. (106) 156 Horizontal nystagmus:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown (107) 157 1 ☐ Not Related

j. (108) 158 Fixed pupils:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown (109) 159 1 ☐ Not Related

k. (110) 160 Subhyaloid hemorrhage:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown (111) 161 1 ☐ Not Related

36. a. Sensory deficits (pin test)

(112) 162 1 ☐ None 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Untestable

↓ GO TO 37 ↓ GO TO 37

Fill in the proper codes in the boxes provided, and check "Not related" if an indicated abnormality is not due to present event.

0=Normal	1=Partial	2=Severe	3=Untestable

		Left		Right	
163 (113) b.	Face	☐	164 (114) 1 ☐ Not related	165 (115) ☐	166 (116) 1 ☐ Not related
167 (117) c.	Shoulder	☐	168 (118) 1 ☐ Not related	169 (119) ☐	170 (120) 1 ☐ Not related
171 (121) d.	Hand	☐	172 (122) 1 ☐ Not related	173 (123) ☐	174 (124) 1 ☐ Not related
175 (125) e.	Hip	☐	176 (126) 1 ☐ Not related	177 (127) ☐	178 (128) 1 ☐ Not related
179 (129) f.	Foot	☐	180 (130) 1 ☐ Not related	181 (131) ☐	182 (132) 1 ☐ Not related
183 (133) g.	Trunk	☐	184 (134) 1 ☐ Not related	185 (135) ☐	186 (136) 1 ☐ Not related

37. a. Visual fields:

(137) 1 ☐ Normal ↓ 187 GO TO 38

2 ☐ Abnormal

3 ☐ Untestable ↓ GO TO 38

Check if not related to present event:

188 (138) b. Monocular:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown 189 (139) 1 ☐ Not Related

190 (140) c. Quadrantanopia:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown 191 (141) 1 ☐ Not Related

192 (142) d. Hemianopia:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown 193 (143) 1 ☐ Not Related

194 (144) e. Hemineglect:
1 ☐ Absent 2 ☐ Left 3 ☐ Right 4 ☐ Both 5 ☐ Unknown 195 (145) 1 ☐ Not Related

38. a. Language:

(146)
1 ☐ Normal → GO TO 39
196 2 ☐ Broca
3 ☐ Wernicke
4 ☐ Global
5 ☐ Anomic
6 ☐ Other
7 ☐ Unknown → GO TO 39

b. Related to present event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown
(147) 197

39. a. Dysarthria:

148 1 ☐ Absent 2 ☐ Present 3 ☐ Unknown

198

GO TO 40 GO TO 40

199

b. 149 Related to present event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

40. a. Nuchal rigidity?

150 1 ☐ No 2 ☐ Slight 3 ☐ Severe 4 ☐ Unknown

200

GO TO 41 GO TO 41

b. 151 Related to present event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

201

41. a. Cervical bruit:

152 1 ☐ Absent 2 ☐ Present 3 ☐ Unknown

202

GO TO 42 GO TO 42

Check if not related to present event

203 153	b. Left Carotid	1 ☐ Absent	2 ☐ Present	3 ☐ Unknown	204 154 1 ☐ Not related	205 206
155	c. Right Carotid	1 ☐ Absent	2 ☐ Present	3 ☐ Unknown	1 ☐ Not related	156
207 157	d. Left Subclavian	1 ☐ Absent	2 ☐ Present	3 ☐ Unknown	1 ☐ ~~Not related~~	158
159	e. Right Subclavian	1 ☐ Absent	2 ☐ Present	3 ☐ Unknown	1 ☐ ~~Not related~~	160

209 208

42. Peripheral pulses in the foot and ankle:

210

211 161 1 ☐ Present 2 ☐ Diminished or absent 3 ☐ Unknown

43. a. Other hemispheral signs (apraxia, neglect):

212 162 1 ☐ None 2 ☐ Present 3 ☐ Untestable

GO TO 44 GO TO 44

b. 163 Related to this event? 1 ☐ Yes 2 ☐ No 3 ☐ Unknown

213

DIAGNOSIS

44. Primary diagnosis (check one):

164 1 ☐ Not a stroke (skip to 47)
2 ☐ Subarachnoid hemorrhage
214 3 ☐ Intraparenchymal hemorrhage
4 ☐ Lacunar infarction
5 ☐ Embolic infarction
6 ☐ Atherosclerotic infarction
7 ☐ Other, unknown infarction
8 ☐ Unknown type stroke

45. Cerebral site codes:

	Left	Right
Cerebral hemisphere (not futher specified)	01	02
Frontal lobe	03	04
Parietal lobe	05	06
Insular-operculum	07	08
Occipital lobe	09	10
Temporal lobe	11	12
Putamen	13	14
Thalamus	15	16
Internal capsule	17	18
Cerebellum	19	20
Fronto-parietal lobe	21	22
Parieto-occipital lobe	23	24
Temporo-parietal lobe	25	26
Temporo-occipital lobe	27	28
Fronto-temporo-parietal lobe	29	30
Basal ganglia and capsule	31	32

Midline (third ventricular callosum)	33
Intracranial (not further specified)	34
Brain stem	35
Midbrain	36
Pons	37
Medulla	38
Subarachnoid space	39
Intraventricular space	40

a. Two-digit code for primary cerebral site: 165 [ ][ ] **215-216**

b. Other cerebral sites: 166 [ ][ ] **217-218** 167 [ ][ ] **219-220** 168 [ ][ ] **221-222** 169 [ ][ ] **223-224**

c. Are more than five cerebral sites indicated? 170 1 ☐ Yes 2 ☐ No **225**

46. Vascular territory codes:

	Left	Right
Common carotid	01	02
External carotid	03	04
Internal carotid	05	06
At bifurcation	07	08
Distal extracranial	09	10
Intracranial	11	12
Junction of posterior communicating	13	14
Other	15	16
Anterior cerebral	17	18
Junction of anterior communicating	19	20
Other	21	22
Middle cerebral	23	24
Penetrating or lentriculostriate	25	26
Stem	27	28
Upper branch	29	30
Lower branch	31	32
Posterior communicating	33	34
Posterior cerebral	35	36
Penetrating	37	38
Stem	39	40
Calcarine branch	41	42
Superior cerebellar	43	44
Posterior inferior cerebellar	45	46
Vertebral	47	48
Subclavian	49	50

Anterior communicating	51
Basilar	52
Penetrating	53
Full	54
Upper branch	55
Lower branch	56
Innominate	57
Unknown	58

a. Two-digit code for primary vascular territory: 171 226-227 [ ][ ]

b. Two-digit codes for other vascular territories: 172 [ ][ ] 228-229 173 [ ][ ] 230-231 174 [ ][ ] 232-233 175 [ ][ ] 234-235

c. Are more than five vascular territories indicated? 176 236 1 ☐ Yes 2 ☐ No

FINAL ASSESSMENT

Taking into account all of the available information, is there evidence of:

	Yes	No	Unknown
47. 237 (177) A deficit that lasted more than 24 hours or until death intervenes?	1 ☐	2 ☐	3 ☐
48. Rapid onset? (178) 238	1 ☐	2 ☐	3 ☐
49. Loss of consciousness? (179) 239	1 ☐	2 ☐	3 ☐
50. Focal brain deficit due to this event? (180) 240	1 ☐	2 ☐ ↓ GO TO 51	3 ☐ ↓
a. (181) 241 Lacunar in type?	1 ☐	2 ☐ ↓ GO TO 50b	3 ☐ ↓
242 (182) (1) pure motor hemiparesis	1 ☐	2 ☐	3 ☐
243 (183) (2) pure sensory	1 ☐	2 ☐	3 ☐
244 (184) (3) dysarthria clumsy hand	1 ☐	2 ☐	3 ☐
245 (185) (4) ataxic hemiparesis	1 ☐	2 ☐	3 ☐
b. (186) 246 sensory motor only?	1 ☐	2 ☐	3 ☐
c. hemichorea? (187) 247	1 ☐	2 ☐	3 ☐
d. aphasia only? (188) 248	1 ☐	2 ☐	3 ☐
e. visual field defect only? (189) 249	1 ☐	2 ☐	3 ☐
f. (190) 250 other hemisphere deficit? Specify: _____ _____	1 ☐	2 ☐	3 ☐
g. (191) 251 bilateral brainstem-cerebellar?	1 ☐	2 ☐	3 ☐
h. (192) 252 unilateral brainstem-cerebellar (not under 50a)?	1 ☐	2 ☐	3 ☐
i. (193) 253 other? Specify: _____ _____	1 ☐	2 ☐	3 ☐

		Yes	No	Unknown	Not Done
194 254	51. LP evidence of hemorrhage?	1 ☐	2 ☐	3 ☐	4 ☐
195 255	52. CT scan evidence of a lesion compatible with this event?	1 ☐	2 ☐ ↓ GO TO 53	3 ☐ ↓	4 ☐ ↓
196 256	a. deep lacunar infarction <2 cm	1 ☐	2 ☐	3 ☐	
257 197	b. cortical infarction <1/2 lobe	1 ☐	2 ☐	3 ☐	
258 198	c. larger infarction	1 ☐	2 ☐	3 ☐	
259 199	d. mottled hemorrhagic infarction	1 ☐	2 ☐	3 ☐	
260 200	e. subarachnoid hemorrhage	1 ☐	2 ☐	3 ☐	
261 201	f. intraparenchymal hemorrhage	1 ☐	2 ☐	3 ☐	
262 202	g. watershed area infarction	1 ☐	2 ☐	3 ☐	
263 203	h. more than 1 infarction, old or new	1 ☐	2 ☐	3 ☐	
204 264	53. a. EEG abnormal?	1 ☐	2 ☐ ↓ GO TO 54	3 ☐ ↓	4 ☐ ↓
265 205	b. EEG shows focal slowing compatible with stroke?	1 ☐	2 ☐	3 ☐	
266 206	54. Noninvasive testing shows evidence of severe stenosis or occlusion of relevant carotid?	1 ☐	2 ☐	3 ☐	4 ☐
267 207	55. Angiographic (including DSA) evidence of a cause or source of event?	1 ☐	2 ☐ ↓ GO TO 56	3 ☐ ↓	4 ☐ ↓
268 208	a. AVM	1 ☐	2 ☐	3 ☐	
269 209	b. Aneurysm	1 ☐	2 ☐	3 ☐	
270 210	c. Mass effect	1 ☐	2 ☐	3 ☐	
271 211	d. Source for embolus-- ulcerated plaque or free clot	1 ☐	2 ☐	3 ☐	

	Yes	No	Unknown	Not Done
e. Stenosis ≥70% or occlusion:				
272 212 (1) Relevant extracranial artery	1 ☐	2 ☐	3 ☐	
273 213 (2) Relevant major cerebral stem or basilar	1 ☐	2 ☐	3 ☐	
274 214 (3) Relevant branch occlusion	1 ☐	2 ☐	3 ☐	
275 215 f. Arteritis	1 ☐	2 ☐	3 ☐	
276 216 g. Dissection of the arterial wall	1 ☐	2 ☐	3 ☐	
277 217 h. Other Specify: _____	1 ☐	2 ☐	3 ☐	
278 _____				
218 56. Surgical evidence of stroke?	1 ☐	2 ☐	3 ☐	4 ☐
219 279 57. For deaths, autopsy evidence of stroke?	1 ☐	2 ☐	3 ☐	4 ☐

If neither of 56 or 57 is "Yes,", go to 59.

58. Evidence is for:

280 220 a. Subarachnoid hemorrhage	1 ☐	2 ☐	3 ☐	
281 221 b. Intraparenchymal hemorrhage	1 ☐	2 ☐	3 ☐	
282 222 c. Ischemic stroke	1 ☐	2 ☐ ↓	3 ☐ ↓	
		GO TO 59		
283 223 (1) Lacune	1 ☐	2 ☐	3 ☐	
284 224 (2) Embolic	1 ☐	2 ☐	3 ☐	
285 225 (3) Atherosclerotic	1 ☐	2 ☐	3 ☐	
286 226 (4) Other	1 ☐	2 ☐	3 ☐	
287 227 59. Death occurred within 24 hours of event?	1 ☐	2 ☐	3 ☐	

60. Comments:

228 P 5/1

288

RECORD TYPE 230 291

DATE RECEIVED 231 292-297

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3-8 514 BATCH DATE

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21 517 EDIT STATUS

61. SHEP Neurologist: _____ Signature

229 289-290 ☐☐ Code

308 235 CROSS-FORMS EDIT STATUS