30-32 (1) Form Number

33 (2) Version Number

40 (513) Sequence Number

SHEP CT SCAN CODING FORM FOR DEMENTIA

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

3. Date this form initiated: (7) 36 37 Month [ ] 38 39 Day [ ] 34 35 Year [ ]

4. a. Date of CT scan: (8) 49 50 Month [ ] 51 52 Day [ ] 47 48 Year [ ]

   b. Source of CT scan: Available with participant's medical record ☐ 1 (9) 53
   SHEP ☐ 2

5. a. Date of Dementia Evaluation Form (SH31) to which this CT scan applies: (10) 56 57 Month [ ] 58 59 Day [ ] 54 55 Year [ ]

Clinic: Keep goldenrod copy of this page only.

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6. a. Date Coordinating Center sends to CT Scan Reading Center: (11) 60-65 Month [ ] Day [ ] Year [ ]

   b. Coder number: (12) 66-67 [ ]

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7. Date of coding at CT Scan Reading Center: 68-73 (13) Month [ ] Day [ ] Year [ ]

8. a. This is a: (14) 74 CT Scan ☐ 1
   MRI ☐ 2
   Other (specify_____) ☐ 3

   b. Technical adequacy of this study: (15) 75 Adequate ☐ 1
   Inadequate ☐ 2
   Unknown ☐ 3

9. Is CT scan normal? (16) 76 Normal ☐ 1 → Skip to Item 27.
   Abnormal ☐ 2

10. Number of focal lesions related to this event: (17) 77 [ ]

DESCRIPTION OF LESIONS: Put the most important lesion in Column 1, next in Column 2, etc.

	1	2	3	4	5	6
11. Side:	(18) 78	(19) 79	(20) 80	(21) 81	(22) 82	(23) 83

Codes: 1 Mid
2 Left
3 Right
4 Both

DESCRIPTION OF LESIONS: (Continued) 1 2 3 4 5 6

12. Pathology (circle all applicable): CC Personnel Note: As many as 4 in each category will be entered.

	1	2	3	4	5	6
No longer seen	(24) 01	(28) 01	(32) 01	(36) 01	(40) 01	(44) 01
Superficial infarct	02	02	02	02	02	02
Deep, small infarct (<2 cm)	(25) 03	(29) 03	(33) 03	(37) 03	(41) 03	(45) 03
Deep, large infarct	(26) 04	(30) 04	(34) 04	(38) 04	(42) 04	(46) 04
Super and deep infarct	05	(31) 05	(35) 05	(39) 05	(43) 05	(47) 05
Intracerebral hemorrhage (ICH)	(27) 06	06	06	06	06	06
Subarachnoid hemorrhage (SAH)	07	07	07	07	07	07
AVM	08	08	08	08	08	08
Aneurysm	09	09	09	09	09	09
Other (specify_____)	10	10	10	10	10	10

fields	columns
24-27	84-91
28-31	92-99
32-35	100-107
36-39	108-115
40-43	116-123
44-47	124-131

13. Anatomy (circle all applicable): CC Personnel Note: As many as 5 in each category will be entered.

	1	2	3	4	5	6
Frontal lobe	(48) 01	(53) 01	(58) 01	(63) 01	(68) 01	(73) 01
Parietal lobe	02	02	02	02	02	02
Temporal lobe	(49) 03	(54) 03	(59) 03	(64) 03	(69) 03	(74) 03
Occipital lobe	(50) 04	(55) 04	(60) 04	(65) 04	(70) 04	04
Operculum	05	05	05	05	05	(75) 05
Insula	(51) 06	(56) 06	(61) 06	(66) 06	(71) 06	06 (76)
Caudate	(52) 07	(57) 07	(62) 07	07	07	07
Putamen	08	08	08	(67) 08	(72) 08	(77) 08
Thalamus	09	09	09	09	09	09
Anterior capsule	10	10	10	10	10	10
Genu	11	11	11	11	11	11
Posterior capsule	12	12	12	12	12	12
Corona radiata	13	13	13	13	13	13
Centrum semiovale	14	14	14	14	14	14
Corpus callosum	15	15	15	15	15	15
Midbrain	16	16	16	16	16	16
Pons	17	17	17	17	17	17
Medulla	18	18	18	18	18	18
Cerebellum	19	19	19	19	19	19
Ventricular space	20	20	20	20	20	20
Subarachnoid space	21	21	21	21	21	21
Subdural space	22	22	22	22	22	22
Epidural space	23	23	23	23	23	23

fields	columns
48-52	132-141
53-57	142-151
58-62	152-161
63-67	162-171
68-72	172-181
73-77	182-191
78-83	192-203
84-89	204-215
90-95	216-233
96-101	234-251

14. Section thickness (mm): (78) (79) (80) (81) (82) (83)

15. Number of sections lesion is visible in: (84) (85) (86) (87) (88) (89)

16. Largest diameter (mm): (90) (91) (92) (93) (94) (95)

17. Diameter (mm) at right angles to diameter in Item 16: (96) (97) (98) (99) (100) (101)

Explanation of Codes for Items 18-25:

Density (18):

1 Low
2 High
3 Both (mixed)
4 Isodense

Size change from previous CT (20):

0 None
1 Initial
2 Smaller
3 Larger
4 Not applicable/no previous CT

Enhancement, type (24):

1 Gyral/deep
2 Ring
3 Other
4 None

Size scale (19):

0 Absent
1 <1 cm
2 <½ lobe
3 <1 lobe
4 >1 lobe

Edema/Mass/Enhancement (21-23):

0 Absent
1 Mild
2 Moderate
3 Marked
4 Not applicable

Clin Relevance (25):

0 Lesions consistent with time from onset to CT
1 Not consistent
2 Unkown

	1	2	3	4	5	6
18. Density	102 252	103 253	104 254	105 255	106 256	107 257
19. Size, scale	108 258	109 259	110 260	111 261	112 262	113 263
20. Size, change from previous CT	114 264	115 265	116 266	117 267	118 268	119 269
21. Edema	120 270	121 271	122 272	123 273	124 274	125 275
22. Mass effect	126 276	127 277	128 278	129 279	130 280	131 281
23. Enhancement	132 282	133 283	134 284	135 285	136 286	137 287
24. Enhancement, type	138 288	139 289	140 290	141 291	142 292	143 293
25. Clin relevance	144 294	145 295	146 296	147 297	148 298	149 299

SKIP ITEM 26 IF PATHOLOGY (ITEM 12) DOES NOT INCLUDE HEMORRHAGE.

Explanation of codes for Item 26:

For SAH:

0 None
1 Diffuse and less than 1 mm
2 Localized clot or greater than 1 mm
3 Clots

For ICH:

0 None
1 Intraventricular extension
2 Cisternal
3 Both

	1	2	3	4	5	6
26. Hemorrhage:	150 300	151 301	152 302	153 303	154 304	155 305

27. Cortical atrophy? (156) **306**

None □ 1
Minimal □ 2
Moderate □ 3
Marked □ 4
Unknown □ 5

28. Hydrocephalus? (157) **307**

None □ 1
Minimal □ 2
Moderate □ 3
Marked □ 4
Unknown □ 5

29. Periventricular hypodensity (by CT): (158) **308**

Not present □ 1
Visible □ 2
Not applicable □ 3

30. Bright plaques (T 2 image MRI): (159) **309**

Not present □ 1
Visible □ 2
Not applicable □ 3

31. Sulcus/fissure enlargement (if not visible = 0)

Average sulcus width (check at least 3 on each side from highest slice):

(160) a. Left side (mm) **310-311**

(161) b. Right side (mm) **312-313**

Anterior end of sylvian fissure:

(162) c. Left side (mm) **314-315**

(163) d. Right side (mm) **316-317**

Interhemisphere space anteriorly at the level of the body of the lateral ventricles (mm):

(164) e. **318-319**

32. Ventricular measurements and ratios (if not visible = 0)

a. 3rd ventricle (mm) (165) **320-321**

b. Width of temporal horns, left (mm) (166) **322-323**

c. Width of temporal horns, right (mm) (167) **324-325**

d. Lateral frontal horn distance, maximum (mm) (168) **326-328**

e. Skull diameter at same location as 32d (mm) (169) **329-331**

f. Compute ratio 32d ÷ 32e (170) □ . □

332-334

Cella media ratio

g. Transverse diameter of the body of the lateral ventricles (mm) (171) 335-336

h. Skull diameter at same location (mm) (172) 338-340

i. Compute ratio 32g ÷ 32h (173) ☐☐ . ☐ 341-343

Third ventricle--Sylvian fissure/skull ratio

j. Distance from left sylvian fissure to 3rd ventricle (mm) (174) 344-345

k. Distance from right sylvian fissure to 3rd ventricle (mm) (175) 346-347

l. Diameter of skull at the same location (mm) (176) 348-350

m. Compute (32j + 32k) ÷ 32l (177) ☐☐ . ☐ 351-353

33. Comments or additional descriptions of other abnormalities:

(178) P 5/1

354

34. CT Coder Signature: _____

STOP

Coordinating Center Use Only

35. Coding result:

(179) 355

Agrees with other coder ☐ 1
Needs adjudication ☐ 2

Adjudicator's Use Only

36. Result of adjudication:

(180) 356

Use this coder's form ☐ 1
Use alternate coder's form ☐ 2

37. Comments:

357 (181) RECORD TYPE

358-363 (182) DATE RECEIVED

364-366 (183) UPDATE NUMBER

367-372 (184) DATE LAST PROCESSED

373 (185) PAPER COPY

374 (186) CROSS FORM EDIT STATUS CODE

38. Signature of adjudicator: _____

3-8 (514) BATCH DATE

11-16 (515) DATE MODIFIED

17-20 (516) TIME MODIFIED

21 (517) EDIT STATUS CODE