Appendix E: Data Abstraction Form

PET SCANNING FOR ALZHEIMER'S DISEASE

Reviewer: _____ First Author & Year: _____ _____ ProCite # _____

STUDY DESIGN (check one):

_____ RCT
Randomization method: Sealed envelope _____
Date/Chart # _____
Not described _____

Other _____ Describe:

_____ Cohort
_____ Case Series, no controls, n = _____
_____ Case Series, historical controls, n = _____
_____ Case Series, concomitant controls, n = _____
_____ Not Specified or unable to classify

STUDY LOGISTICS:
Inclusive dates of data collection (specify month and year):

From _____ to _____

Geographic Location (in US give city and state; outside of US give city and country):
_____

PATIENT POPULATION:

N = _____ Clarify as needed:

Study Setting**:** (check all that apply)
_____ Inpatient
_____ General outpatient clinics/ physician office
_____ Neurologist clinic/office
_____ Alzheimer's/ Cognitive impairment clinic
_____ Not specified or unable to determine
_____ Other Describe:

Inclusion Criteria (briefly describe):

Exclusion Criteria (briefly describe):

PET TECHNICAL CHARACTERISTICS :

(A) Scanner type -
Dedicated / Coincident / Camera-based

(B) Scanner Model -
GE advanced / Siemens ECAT / Siemens ECAT HR / Seimens EXACT HR plus / any other

(C) Resolution specified–
Intrinsic / Image / both / neither mentioned
Details of resolution (numerical values): _____

(D) Acquisition mode -
2-D / 3-D / not mentioned

(E) Acquisition time -
____ / Not mentioned

(F) Injected dose of FDG -
____ **/** Not mentioned

(G) State of patient during testing -
With minimal sensory stimulation / Eyes closed and ears plugged / any other circumstances /not mentioned

CRITERIA USED FOR DIAGNOSIS OF AD :

PET done -
Qualitatively / Quantitatively / not mentioned

Criteria used for diagnosis - Bilateral, symmetrical, posterior parietal hypo metabolism /
Bilateral asymmetrical, posterior parietal hypo metabolism /
unilateral, posterior parietal hypo metabolism

ASSESSMENT :

Done blindly / not done blindly / not mentioned

SUBJECT CHARACTERISTICS:

1) Specify Control Group

2) Use "NR" to indicate "Not reported"

	Control Group	**AD group**
Age:		
Mean		
SD		
Median		
Range		
Race: White	n = / %	n = / %
Black	n = / %	n = / %
Hispanic	n = / %	n = / %
Other	n = / %	n = / %
Gender: Male	n = / %	n = / %
Female	n = / %	n = / %
No.:		
OK	n = / %	n = / %
MCI	n = / %	n = / %
Mild dementia	n = / %	n = / %
Moderate dementia	n = / %	n = / %
Severe dementia	n = / %	n = / %
Length of follow-up:		
Mean		
SD		
Median		
Range		

RESULTS

(Use 1 sheet for each combination of population and positivity criteria)

Population/subpopulation studied: _____

Criterion for PET positivity: _____

Criterion for diagnosis of AD: Clinical diagnosis / Histopathological

	AD present	AD absent	Total
PET positive			
PET negative			
Total			

Sensitivity –

Specificity –

Prevalence –

Use space below to develop a table:

SCORE FOR PAPER:

(Please assign a score of 0 if the paper did not adequately meet the criterion, or if the data was inadequate to determine the criterion, and assign a score of 1 if the paper met the criterion.)

1. The study had a representative sample of patients with an appropriate spectrum of disease. 0 / 1
2. The setting and selection of the population under investigation was clearly described. 0 / 1
3. The scanner model (pg. 2, A) or the type and the resolution of the scanner (pg. 2, B and C) were mentioned. 0 / 1
4. Standard criteria were used for test interpretation. (see pg. 2) 0 / 1
5. The test reader and the person assigning reference standard diagnosis was blinded. 0 / 1
6. The results were categorized by disease severity. 0 / 1
7. The follow-up was complete (no verification bias). 0 / 1

8. Histopathological or clinical confirmation was done on the basis of a long-term (>=one year) follow-up with standard criteria. 0 / 1

Total score =

PAPER RATING –

(<4=POOR, 4-6 = FAIR, >7 = GOOD)

POOR / FAIR / GOOD

Page nos. from the article used to develop table data –

Notes -