Patient ID:	

POSTMORTEM PROCEDURES							
Collected? No [Yes						
Reason not collected:							
Date of collection:							
Date of death:/	/_	(N	MM/DD/Y	YYY)			
Was brain autopsy con	ducted per	MarkVCID	2 procedu	ıres?	No Yes		
Postmortem interval (I	PMI): time	between de	eath and b	rain removal	: ·	hours	
Fixative: Formalin	Parafo	ormaldehyd	e 🗌 0	ther (specify)):		
GROSS FINDINGS							
Whole brain weight (if	half brain,	multiply w	eight by t	wo):	grams	Unknow	n
Does the brain weight	above repr	esent fresh	or fixed v	veight?	Fresh [Fixed	
Severity of gross finding	ngs	None	Mild	Moderate	Severe	Not assessed	Missing/ unknown
Cerebral cortex atrop	ohy						
2. Lobar atrophy (signif frontal and/or tempo atrophy)			☐ Ye	s			
3. Hippocampus atroph	y						
4. Substantia nigra hypopigmentation							
5. L. ceruleus hypopigm	entation						
6. Atherosclerosis (of the Willis)	ne circle of						
METHODS USED FOR SCORING CASE							
Tau antibody	□ Non-phospho specific □ PHF1 □ CP13 □ AT8 □ Other (specify): □ Not assessed					essed	
Amyloid beta antibody	☐ 4G8 ☐ 10D5 ☐ Other (specify): ☐ Not assessed						
Alpha synuclein antibody		ohospho specify): _		, LB509)	Phospho-	specific (e.g.,	

Fiditive of D2 citi 1 dende	1 ostmortem i roccaures
Patient ID:	
TDP-43 antibody	<u> </u>
Histochemical stains:	
Modified Bielschowsky	□ No □ Yes
Gallyas	□ No □ Yes
Other silver stain	□ No □ Yes
Thioflavin	□ No □ Yes
Other (specify):	□ No □ Yes
ALZHEIMER'S DISEASE	
Thal phase for amyloid plaques by immunohistochemistry (IHC) Use only standard blocks (as described in Montine et al., Acta Neuropathol (2012) 123:1–11) to assign phase (i.e., midfrontal, superior/middle temporal, inferior parietal, hippocampus, entorhinal, basal ganglia, midbrain, cerebellum).	 □ Phase 0 (A0) □ Phase 1 (A1) □ Phase 2 (A1) □ Phase 3 (A2) □ Phase 4 (A3) □ Phase 5 (A3) □ Not assessed □ Missing/unknown
Braak stage for neurofibrillary degeneration Use standard blocks (as described in Montine et al., Acta Neuropathol (2012) 123:1–11) to assign phase (i.e., mid- frontal, superior/middle temporal, inferior parietal, occipital, hippocampus, entorhinal).	 Stage 0: AD-type neurofibrillary degeneration not present (B0) Stage I (B1) Stage II (B1) Stage III (B2) Stage IV (B2) Stage V (B3) Stage VI (B3) The presence of a tauopathy (other than aging/AD) precludes Braak staging Not assessed Missing/unknown

Patient ID:						
CERAD score for density of neocortical neuritic plaque (plaques with argyrophilic dystrophic neurites, with or without dense amyloid cores). Score without respect to age or diagnosis.			Sparse r	itic plaques (C0) neuritic plaques (C1) te neuritic plaques (
Use only standard blocks (as described in Montine et al., Acta Neuropathol (2012) 123:1–11) to assign phase (i.e., midfrontal, superior/middle temporal,		Frequen	nt neuritic plaques (C	-		
NIA-AA Alzheimer's disease neuropathologic change (ADNC)			 Not AD Low ADNC Intermediate ADNC High ADNC Not assessed Missing/unknown 			
Other pathologic changes associa	ated with A	D:				
CERAD semi-quantitative score for diffuse plaques (plaques with non-compact amyloid and no apparent dystrophic neurites). Score from the neocortical field with the highest plaque density and without respect to age or diagnosis.		 No diffuse plaques Sparse diffuse plaques Moderate diffuse plaques 3 Frequent diffuse plaques Not assessed Missing/unknown 				
Cerebral amyloid angiopathy			None Mild Moderate Severe Not assessed Missing/unknown			
CEREBROVASCULAR DISEASE (CVD)						
Report all CVD, macroscopic vasc	ular brain i	njury (V	BI), and micr	oinfarcts or microhe	morrhages.	
Old infarcts observed grossly, including lacunes?		t assessed	Yes Missing/unkno	own		
Location of old infarcts	Number	(g	of largest reatest sion in cm)	Size of next (greatest dimension in cm)	Size of next (greatest dimension in cm)	
NOTE: For large cortical infarcts that subcortical infarcts that						

Patient ID:						
Cerebral cortex			·	·_		
Sp	ecify lobe:	Frontal Parietal Occipital Temporal	Frontal Parietal Occipital Temporal	Frontal Parietal Occipital Temporal		
Subcortical cerebral white matter and peri- ventricular white matter		·_	·_	·_		
Sŗ	ecify lobe:	Frontal Parietal Occipital Temporal	Frontal Parietal Occipital Temporal	Frontal Parietal Occipital Temporal		
Deep cerebral gray matter or internal capsule						
Brainstem or cerebellum		·	·	·		
Were single or multiple old hemorrhages observed grossly?		☐ No☐ Yes☐ Not assessed☐ Missing/unknown				
Location of old hemorrhages		Number				
Subdural or epidural hemorrhag	ge					
Subarachnoid hemorrhage						
Location of old hemorrhages	Number	Size of largest (greatest dimension in cm)	Size of next (greatest dimension in cm)	Size of next (greatest dimension in cm)		
Primary parenchymal hemorrhage Include those >5mm. If ≤5mm, include as microbleed; see section below			·_			
Sp	ecify lobe:	Frontal Parietal Occipital Temporal	Frontal Parietal Occipital Temporal	Frontal Parietal Occipital Temporal		

Patient ID:		-	
Secondary parenchymal hemorrhage (e.g., tumor, vascular malformation)	☐ No ☐ Not asses	☐ Yes ssed ☐ Missing/unknov	wn
Old microinfarcts (not observed	grossly)?	☐ No ☐ Not assessed	☐ Yes ☐ Missing/unknown
Number in screening section cerebral cortex (gray matt cerebral cortex)		☐ 0 ☐ 1 ☐ Not assessed	2 3 or more Missing/unknown
Number in screening section subcortical white matter a periventricular white matt	nd	☐ 0 ☐ 1 ☐ Not assessed	2 3 or more Missing/unknown
Number in screening section subcortical gray matter	ons of	☐ 0 ☐ 1 ☐ Not assessed	2 3 or more Missing/unknown
Number in brainstem and	cerebellum	0 1 Not assessed	2 3 or more Missing/unknown
Old cerebral microbleeds?		□No	Yes
Include old hemorrhages that are	≤5mm.	☐ Not assessed	Missing/unknown
Number in screening section cerebral cortex	ons of	☐ 0 ☐ 1 ☐ Not assessed	2 3 or more Missing/unknown
Number in screening section subcortical white matter a periventricular white matt	nd	☐ 0 ☐ 1 ☐ Not assessed	2 3 or more Missing/unknown
Number in screening section subcortical gray matter	ons of	☐ 0 ☐ 1 ☐ Not assessed	☐ 2 ☐ 3 or more ☐ Missing/unknown
Number in brainstem and	cerebellum	☐ 0 ☐ 1 ☐ Not assessed	2 3 or more Missing/unknown
Arteriolosclerosis? (Assessed in subcortical white or g matter)	gray	☐ No ☐ Not assessed	☐ Yes ☐ Missing/unknown
Anterior watershed white	matter	☐ None ☐ Mild ☐ Not assessed	☐ Moderate☐ Severe☐ Missing/unknown
Posterior watershed corte underlying white matter	x &	☐ None ☐ Mild ☐ Not assessed	☐ Moderate ☐ Severe ☐ Missing/unknown
Basal ganglia (caudate, put internal capsule)	tamen,	☐ None ☐ Mild ☐ Not assessed	☐ Moderate ☐ Severe ☐ Missing/unknown

Patient ID:					
Other pathologic changes related to ischemic or vascular disease not previously specified?	☐ No	sessed	☐ Yes ☐ Missing/unknown		
Laminar necrosis	☐ No ☐ Not assessed		☐ Yes ☐ Missing/unknown		
Acute neuronal necrosis	☐ No ☐ Not as:	sessed	☐ Yes ☐ Missing/unknown		
Acute/subacute gross infarcts	☐ No ☐ Not as:	sessed	Yes, location: Missing/unknown		
Acute/subacute microinfarcts	☐ No ☐ Not as:	sessed	☐ Yes, location: ☐ Missing/unknown		
Acute/subacute gross hemorrhage	☐ No ☐ Not as:	sessed	Yes, location: Missing/unknown		
Acute/subacute microhemorrhage	☐ No ☐ Not as:	sessed	Yes, location: Missing/unknown		
Vascular malformation of any type	☐ No ☐ Not as:	sessed	☐ Yes ☐ Missing/unknown		
Aneurysm of any type	☐ No ☐ Not as:	sessed	☐ Yes ☐ Missing/unknown		
Vasculitis of any type	☐ No ☐ Not as:	sessed	☐ Yes ☐ Missing/unknown		
CADASIL	☐ No ☐ Not as:	sessed	☐ Yes ☐ Missing/unknown		
Other (specify):	☐ No ☐ Not as:	sessed	☐ Yes ☐ Missing/unknown		
Lewy Body Pathology (as determined by alpha-synuclein IHC). This score is independent of the clinical presentation.			nstem predominant nic (transitional) ortical (diffuse) gdala predominant tory bulb nssessed nng/unknown		

Patient ID:	·
Neuron loss in the substantia nigra	☐ None ☐ Mild ☐ Moderate ☐ Severe ☐ Not assessed ☐ Missing/unknown
Hippocampal sclerosis (CA1 and/or sub	None Unilateral Bilateral Present but laterality not assessed Not assessed Missing/unknown
DISTRIBUTION OF TDP-43 IMMUNOR	REACTIVE INCLUSIONS:
Spinal cord	☐ No ☐ Yes ☐ Missing/unknown
Amygdala	☐ No ☐ Yes ☐ Missing/unknown
Hippocampus	☐ No ☐ Yes ☐ Missing/unknown
Entorhinal/inferior temporal cortex	☐ No ☐ Yes ☐ Missing/unknown
Neocortex	☐ No ☐ Yes ☐ Missing/unknown
OTHER PATHOLOGIC DIAGNOSES	
Pigment-spheroid degeneration/NBIA	☐ No ☐ Yes ☐ Missing/unknown
Multiple system atrophy	☐ No ☐ Yes ☐ Missing/unknown
Prion disease	☐ No ☐ Yes ☐ Missing/unknown
Trinucleotide disease (Huntington disease, SCA, other)	☐ No ☐ Yes ☐ Missing/unknown
Malformation of cortical development	☐ No ☐ Yes ☐ Not assessed ☐ Missing/unknown

Patient ID:		
	T	
Metabolic/storage disorder of any type	☐ No	Yes
Treedsone, storage abortact or any type	Not assessed	∐ Missing/unknown
WM disease, leukodystrophy	No	Yes
, , , , , , , , , , , , , , , , , , , ,	Not assessed	∐ Missing/unknown
WM disease, multiple sclerosis or other	□ No	Yes
demyelinating disease	Not assessed	Missing/unknown
Contusion/traumatic brain injury of any	∐ No	∐ Yes
type, acute	☐ Not assessed	Missing/unknown
Contusion/traumatic brain injury of any	∐ No	∐ Yes
type, chronic	☐ Not assessed	☐ Missing/unknown
Neoplasm, primary	∐ No	∐ Yes
	☐ Not assessed	☐ Missing/unknown
Neoplasm, metastatic	∐ No	∐ Yes
	☐ Not assessed	☐ Missing/unknown
Infectious process of any type (encephalitis, abscess, etc.)	│	☐ Yes
(encephantis, abscess, etc.)	☐ Not assessed	☐ Missing/unknown
Herniation, any site	□ No	☐ Yes
	☐ Not assessed	☐ Missing/unknown
Trisomy 21/Down syndrome	│	☐ Yes ☐ Missing /unlmourn
AD valated gangs (dominantly)		☐ Missing/unknown
AD-related genes (dominantly inherited); do not include APOE or other	∐ No	∐ Yes
polymorphisms or genetic risk factors	☐ Not assessed	☐ Missing/unknown
FTLD-related genes (dominantly inherited); do not include	□No	Yes
polymorphisms or genetic risk factors	Not assessed	Missing/unknown
FTLD with tau pathology (FTLD-tau) or	□No	Yes
other taopathy	Not assessed	☐ Missing/unknown
FTLD with TDP-43 pathology (FTLD- TDP)	│	☐ Yes ☐ Missing /unlmourn
151)	Not assessed	☐ Missing/unknown
ALS/motor neuron disease (MND)	□ No	Yes
present	Not assessed	Missing/unknown
Out FITTI D	□No	Yes
Other FTLD	☐ Not assessed	Missing/unknown

Patient ID:						
BANKED BIOSPECIMENS						
Banked frozen brain or half brain	□No	Yes	☐ Missing/unknown			
Banked frozen wedge of cerebellum or other sample for future DNA prep	□No	Yes	☐ Missing/unknown			
Formalin- or paraformaldehyde-fixed brain	□ No	Yes	☐ Missing/unknown			
Paraffin-embedded blocks of brain regions	□No	Yes	☐ Missing/unknown			
Banked postmortem CSF	□No	Yes	☐ Missing/unknown			
Banked postmortem blood or serum	□No	Yes	☐ Missing/unknown			
Banked DNA	□No	Yes	☐ Missing/unknown			