Table 2. Cases of reported chronic traumatic encephalopathy: Neuropathology.

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
1	Case 1 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
2	Case 2 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
3	Case 3 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
4	Case 4 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
5	Case 5 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
6	Case 6 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
7	Case 7 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
8	Case 8 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
9	Case 9 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
10	Case 10 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
11	Case 11 [Roberts 1969]	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
12	Case 1 in McKee et al 2009 [Brandenburg & Hallervorden 1954] *	Pathology: Cerebral atrophy, enlarged 2nd & 3rd ventricles. Tau: NFTs severe density in hippocampus; mild density frontal, parietal, temporal, & occipital regions TDP-43: NR Amyloid: Severe diffuse plaques
13	Case 2 in McKee et al 2009 [Grahmann & Ule 1957] *	Pathology: Cerebral atrophy, 2nd ventricle enlargement; cavum septum Tau: NFTs severe density in hippocampus & SNr; mild density frontal, parietal, & temporal regions, thalamus, hypothalamus TDP-43: NR Amyloid: No amyloid plaques observed
14	Case 3 in McKee et al 2009 [Neubuerger et al 1959]	Pathology: Biopsy of Cerebral Cortex. The lower layers of the frontal cortex exhibited a slight numerical reduction of nerve cells. Foci of astrocytes with tangled processes also were noted in the upper cortex. A suggestion of faintly argentophilic structures in the form of thin kinked fibrils was observed in the immediate neighbourhood of small vessels. They vaguely resembled small "senile" plaques; however, typical plaques, fibrillary alteration, and vascular lesions were not found. Tau: NR; TDP-43: NR Amyloid: No amyloid plaques observed.
15	Case 4 in McKee et al 2009 [Neubuerger et al 1959]	Pathology: The embalmed brain weighed 1,130 g. Severe atrophy was evident in the frontal lobes and was more pronounced in the right hemisphere, where it overlapped the medial aspect of the parietal lobe. The convolutions were thin; the sulci were wide; the ventricles were slightly dilated. Focal lesions were absent. Microscopically, the severest changes were present in the cortex of the frontal lobes. However, the cortex of the temporal and occipital lobes exhibited more pronounced atrophy than was anticipated. The cortex was thinned; the stratification was partially lost; numerous nerve cells were absent. A fairly advanced degree of gliosis was observed; many large fibrillary astrocytes were present throughout the cortex, and a network of glial fibres occupied the molecular layer. The hippocampus exhibited loss of nerve cells in the presubiculum, resembling that seen in senile and presenile brain diseases. Tau: NR; TDP-43: NR Amyloid: No amyloid plaques observed
16	Case 5 in McKee et al 2009 [Courville 1962]	Pathology: Brain weight was 1120g, frontal and parietal atrophy, lateral and third ventricle enlargement, NFTs mild density in frontal, parietal, and temporal regions Tau: No NFTs reported TDP-43: NR Amyloid: No amyloid plaques observed
17	Case 6 in McKee et al 2009 [Mawdsley & Ferguson 1963], Case 1	Pathology: NR; Tau: NR; TDP-43: NR; Amyloid: NR
18	Case 7 in McKee et al 2009 [Mawdsley & Ferguson 1963], Case 2	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
19	Case 3: Mawdsley & Ferguson 1963	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
20	Case 4: Mawdsley & Ferguson 1963	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
21	Case 5: Mawdsley & Ferguson 1963	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
22	Case 6: Mawdsley & Ferguson 1963	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
23	Case 7: Mawdsley & Ferguson 1963	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
24	Case 8: Mawdsley & Ferguson 1963	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
25	Case 9: Mawdsley & Ferguson 1963	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A
26	Case 10: Mawdsley & Ferguson 1963	Pathology: Brain weighed only 1,050 g. and there was gross diffuse cortical atrophy, most evident in the frontal lobes. The lateral ventricles were dilated. There was a cavum septi pellucidi. Tau: N/A; TDP-43: N/A; Amyloid: N/A
27	Case 8 in McKee et al 2009 [Constantinidis & Tissot 1967] *	Pathology: Brain weight 1,180g; mild cerebral atrophy, mild cavum septum; severe pallor of SNr. Tau: Severe density NFTs located in hippocampus, entorhinal cortex, amygdala, periventricular gray, tegmentum, SNr, & LC; mild density NFTs in frontal, temporal, & occipital regions. TDP-43: NR Amyloid: No amyloid plaques observed
28	Case 9 in McKee et al 2009 [Payne 1968]	Pathology: Slight general atrophy of frontal lobes, moderate cerebral atheroma, ventricular system was slightly enlarged, cavum septi pellicidi with small fenestration of one of the laminae; thickening of arteriole walls; a small number of argyrophilic plaques in the cortical ribbon with irregular proliferation of the surface layer - most common in the upper corners of the convolutions; Cajal stains revealed small foci of hypotrophy & hyperplasia of astrocytes grey matter of the cortex at the base; Diffuse slight gliosis throughout WM. Tau: NR; TDP-43: NR Amyloid: A number of amyloid bodies scattered throughout the brain with high concentration within the hippocampal gyrus.
29	Case 10 in McKee et al 2009 [Payne 1968]	Pathology: Congestion in the meninges, enlarged ventricles, cavum septi pellucidi with fenestration of the laminae, frontal infarction; parieto-occipital scarring; cystic scarring in the pons and basal ganglia; irregular grey stippling in the left occipital lobe. Widespread arteriolosclerosis and atheroma. Foci of degeneration of myelinated fibres; periventricular glial nodes and irregular areas of gliosis in the centra, CC, & cerebellum. Tau: NR; TDP-43: NR Amyloid: No amyloid plaques observed
30	Case 11 in McKee et al 2009 [Payne 1968]	Pathology: Slightly thickened leptomeninges at the base; minimal cerebral atheroma; small cavum septi pellucidi; thin linear scar in the coronal ribbon in occipital lobe. Cajal stains revealed micro scars scattered in the cortex of the hippocampal gyrus, cerebellum, and medulla. Tau: NR; TDP-43: NR Amyloid: Early NFT changes observed
31	Case 12 in McKee et al 2009 [Payne 1968]	Pathology: Slight thickening of the leptomeninges at the base, right Sylvian fissure, posterior left temporal and parietal lobes. Slight atheroma of vertebral and basilar artery. WM 'congestion' - anterior limb left internal capsule irregular scaring; small scars in left occipital lobe, mainly in the cortex. The superior surface of the left middle temporal gyrus contained linear scar, left lateral ventricle slightly enlarged. Cavum septi pellucidi; four small irregular degenerate areas of left cerebellar hemisphere; in the adjacent WM irregular cystic areas & gliosis. Cajal stain revealed many foci of glial hypertrophy & hyperplasia. Tau: NR; TDP-43: NR; Amyloid: NR
32	Case 13 in McKee et al 2009 [Payne 1968]	Pathology: Few chronic inflammatory cells scattered about the perivascular spaces. Cerebrum micro scars & a few foci of myelin degeneration in the centra and corpus callosum. Tau: NR; TDP-43: NR Amyloid: Early NFT changes observed
33	Case 14 in McKee et al 2009 [Payne 1968]	Pathology: A cavum septi pellucidi was present, a few small areas of glial hyperplasia in the tangential layer of the cerebrum; a few inflammatory cells and some granules of hemosiderin in the perivascular space. WM demonstrated small foci of degenerative changes. Tau: NR; TDP-43: NR; Amyloid: NR
34	Case 15 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild cerebellum tonsillar scarring; mild loss of pigmentation in SNr. Tau: Moderate level of NFTs in SNr; severe level of NFTs in CC TDP-43: NR Amyloid: No plaques reported
35	Case 16 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild cerebellum tonsillar scarring; moderate loss of pigmentation in SNr. Tau: Severe level of NFTs in SNr & CC TDP-43: NR Amyloid: No plaques reported
36	Case 17 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild cerebellum tonsillar scarring; severe loss of pigmentation in SNr. Tau: Severe level of NFTs in SNr & CC TDP-43: NR Amyloid: No plaques reported
37	Case 18 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; cerebellum tonsillar scarring; severe loss of pigmentation in SNr. Tau: Mild level of NFTs in SNr; Moderate level of NFTs in CC TDP-43: NR

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		Amyloid: No plaques reported
38	Case 19 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild cerebellum tonsillar scarring; mild loss of pigmentation in SNr. Tau: Moderate level of NFTs in SNr & CC TDP-43: NR Amyloid: No plaques reported
39	Case 20 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild cerebellum tonsillar scarring; moderate loss of pigmentation in SNr. Tau: Moderate level of NFTs in SNr & CC TDP-43: NR Amyloid: Mild concentration of senile plaques present in cerebral cortex
40	Case 21 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild loss of pigmentation in SNr. Tau: Moderate level of NFTs in SNr; severe level of NFTs in CC TDP-43: NR Amyloid: No plaques reported
41	Case 22 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild loss of pigmentation in SNr. Tau: Mild level of NFTs in SNr; Moderate level of NFTs in CC TDP-43: NR Amyloid: mild concentration of senile plaques present in cerebral cortex
42	Case 23 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild cerebellum tonsillar scarring; moderate loss of pigmentation in SNr. Tau: Moderate level of NFTs in SNr & CC TDP-43: NR Amyloid: No plaques reported
43	Case 24 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration; mild cerebellum tonsillar scarring; moderate loss of pigmentation in SNr. Tau: Moderate level of NFTs in SNr & CC TDP-43: NR Amyloid: Mild concentration of senile plaques present in cerebral cortex
44	Case 25 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild septum fenestration Tau: Mild level of NFTs in CC TDP-43: NR Amyloid: No plaques reported
45	Case 26 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Unremarkable septum & cerebellar tonsils Tau: Mild level of NFTs in CC TDP-43: NR Amyloid: No plaques reported
46	Case 27 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Mild cerebellum tonsillar scarring; mild loss of pigmentation in SNr. Tau: Moderate level of NFTs in SNr; severe level of NFTs in CC TDP-43: NR Amyloid: Severe concentration of senile plaques present in cerebral cortex
47	Case 28 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Unremarkable septum & cerebellar tonsils Tau: Mild level of NFTs in CC TDP-43: NR Amyloid: Mild concentration of senile plaques present in cerebral cortex
48	Case 29 in McKee et al 2009 [Corsellis et al 1973]	Pathology: Unremarkable septum & cerebellar tonsils Tau: No NFTs reported TDP-43: NR Amyloid: No plaques reported
49	Case 30 in McKee et al 2009 [Roberts GW et al 1990]	Pathology: Mild focal atheroma of the major vessels, gyral atrophy over the cerebral hemispheres, septal cavum with fenestrated leaves, there was some ventricular dilatation, small foci of softening; low numbers of paired helical filament immunoreactive tangles in the frontal cortex and substantial numbers of diffuse p-protein-immunoreactive plaques together with slight numbers of "classic" plaques Tau: Slight and moderate plaque formation in the frontal and temporal lobes, respectively, with NFTs in the hippocampus and brainstem. TDP-43: NR Amyloid: No amyloid angiopathy reported

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
50	Case 31 in McKee et al 2009 [Hof et al 1991]	Pathology: Brain weight 773 g, gross cerebral atrophy; a cavum in the septum pellucidum; olfactory bulbs and tracts were very fragile and atrophic; some gliosis was observed in the white matter and a few microinfarcts were found, predominantly in the temporal lobe. Tau: Numerous NFTs were found in the inferior temporal neocortex, perirhinal cortex, entorhinal and periamygdaloid cortex; smaller quantities were observed in the amygdala and prepiriform and orbito-frontal cortex. The tangles were located in both layers II and III of the cortex. No NTs observed. The hippocampus proper contained very few NFTs. TDP-43: NR Amyloid: No amyloid plaques observed
51	Case 32 in McKee et al 2009 [Hof et al 1992]	Pathology: NR; Tau: NR; TDP-43: NR, Amyloid: NR
52	Case 33 in McKee et al 2009 [Hof et al 1992]	Pathology: NR; Tau: NR; TDP-43: NR, Amyloid: NR
53	Case 34 in McKee et al 2009 [Williams & Tannenberg 1996]	Pathology: Brain weighed 1,940 g (whole fixed brain weight was 1,833 g) and was externally normal. Lateral and third ventricles were markedly dilated; CC was thin especially caudally, septum pellucidum was fenestrated anteriorly; thalamus subjectively showed shrinkage of the medial dorsal nucleus; cerebellum showed severe superior vermal folial atrophy with virtually total loss of Purkinje cells, florid Bergmann astrogliosis and reduction in number of granular neurones. Tau: The hippocampus showed occasional NFTs in the pyramidal hippocampal neurons. TDP-43: NR Amyloid: No amyloid plaques observed
54	Case 35 in McKee et al 2009 [Jordan et al 1995]	Pathology: Cortical atrophy, a fenestrated septum pellucidum, and two left lobar cerebral hematomas, one of which extended into the lateral ventricle. Tau: Neurofibrillary degeneration was present in the hippocampal CA1 to CA4 regions, dentate, subiculum, oculomotor nuclei, SNr, and LC. TDP-43: NR Amyloid: Diffuse and neuritic plaques were located in moderate numbers in midfrontal, temporal, and inferior parietal cortices. Cerebral amyloid angiopathy involved meningeal and superficial cerebral vessels of the temporal and parieto-occipital cortices; extensive AP immunoreactivity involving leptomeningeal and cortical arteries and arterioles as well as diffuse amyloid plaques and occasional neuritic plaque cores.
55	Case 36 in McKee et al 2009 [Geddes et al 1996; Geddes et al 1999]	Pathology: Brain weighed 1,430 g. There was pronounced mass effect with transtentorial movement of the medial temporal lobe and diencephalon, and secondary brain stem haemorrhage. There was evidence of recent traumatic brain damage, in the form of haematomas producing mass effect, and cerebral swelling, with changes of terminal hypoxia. Recent axonal injury in the splenium of the corpus callosum was also evident. Pathology comprised argyrophilic, numerous neocortical NFTs & NTs sited predominantly around small intracortical blood vessels. Topography of the pathology demonstrated involvement within the basal surfaces of the brain, often the depths of sulci around a penetrating blood vessel, which involved all layers of the cortex. A collection of NFTs was also observed around a vessel in the transentorhinal cortex. Tau: NFTs most numerous in the cortex of the fusiform gyrus, inferior temporal, middle temporal, and orbital gyri, and were to be seen in all neocortical cell layers, although their distribution was patchy in any one gyrus. The supramarginal gyrus of the parietal lobe and the frontal cortex showed focal collections of tangles. NFTs were often grouped round vessels. Rare NFTs were found in the occipital cortex and cingulum. TDP-43: Only a relatively small proportion of the NFTs stained positively on ubiquitin immunostaining – however, the neuroanatomical region was NR. Amyloid: No amyloid plaques observed
56	Case 37 in McKee et al 2009 [Geddes et al 1999]	Pathology: Brain weighed 1,240 g. Macroscopically normal, and there was no structural lesion that might have accounted for the grand mal seizure that was the cause of death. Pathology comprised argyrophilic, numerous neocortical NFTs & NTs sited predominantly around small intracortical blood vessels. Tau: Topography of the NFT & NT pathology demonstrated considerable involvement within the basal surfaces of the brain, often the depths of sulci around a penetrating blood vessel, which involved all layers of the cortex. TDP-43: NR Amyloid: No amyloid plaques observed
57	Case 38 in McKee et al 2009 [Geddes et al 1999]	Pathology: Brain weighed 1,530 g. There was evidence of recent traumatic brain damage, in the form of haematomas producing mass effect, and cerebral swelling, with changes of terminal hypoxia. Tau: Not well reported beyond describing 'less frequent NFTs' demonstrated than the two boxers in this case series TDP-43: NR Amyloid: No amyloid plaques observed
58	Case 39 in McKee et al 2009 [Geddes et al 1999]	Pathology: The right frontal lobectomy specimen (the calcified epileptogenic lesion) was shown to be a hematoma. All the sections of lobectomy specimen showed normal hexilaminar neocortex with underlying white matter. The leptomeninges were mildly thickened. There was evidence of marked subpial and white matter gliosis. Tau: NFTs were frequently arranged in small clusters around small cortical arterial vessels, but scattered NFTs were also found distributed in all cortical layers. TDP-43: NR Amyloid: No amyloid plaques observed

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
59	Case 40 in McKee et al 2009 [Geddes et al 1999]	Pathology: Brain weighed 1,550g. There was evidence of recent traumatic brain damage, in the form of haematomas producing mass effect, and cerebral swelling, with changes of terminal hypoxia. Tau: Not well reported beyond describing 'less frequent NFTs' demonstrated than the two boxers in this case series. TDP-43: NR Amyloid: No amyloid plaques observed
60	Case 41 in McKee et al 2009 [Newell & Drachman 1999; Drachman & Newell; Schmidt et al 2001 - case 2]	Pathology: Frontal and anterior temporal lobes were slightly atrophic, with a slight reduction of white matter in the frontal lobes and a slight enlargement of the lateral ventricles. Thickening and fenestration of the left septal leaf of an anterior cavum septi pellucidi were seen, and the SNr & LC were pale. Nuclei in the brain stem, cerebellum, and cerebral hemispheres (including the LC, red nucleus, pontine and raphe nuclei, motor nucleus of the fifth cranial nerve, hypoglossal nucleus, arcuate nucleus, inferior olivary nucleus, thalamus, dentate nucleus, caudate nucleus, putamen, globus pallidus, subthalamic nucleus, and amygdala) showed neurofibrillary degeneration. Spinal cord revealed neuronal loss, gliosis, and axonal spheroids in the anterior horns and neurofibrillary tangles in the anterior and posterior horns. Tau: Scattered NFTs most numerous in the superficial cortical layers of the inferior frontal and temporal lobes; abundant tangles in the hippocampus were associated with marked neuronal loss and gliosis; occasional tangles were present in the deep layers of the primary motor cortex. TDP-43: NR Amyloid: Rare senile plaques. No cerebral amyloid angiopathy or acute haemorrhage was detected.
61	Case 42 in McKee et al 2009 [Schmidt et al 2001]	Pathology: Glial tangles were found in neocortical white and gray matter as well as in the brain stem and spinal cord. Tau: NFTs mild density within the inferior frontal cortex, tegmentum, SNr, & pons; moderate density within the hippocampus & entorhinal cortex. Extracellular NFTs released from degenerating neurons were detected in several regions including the hippocampus, entorhinal cortex, neocortex, brain stem, and spinal cord. TDP-43: Occasional LBs were detected in SNr. Amyloid: No diffuse amyloid plaques observed
62	Case 43 in McKee et al 2009; Case 1 / Omalu et al 2010; Case 1 / Omalu et al 2011	Pathology: Formalin-fixed whole brain weighed 1,565 g. overall normal appearing brain on gross inspection. Tau: Sparse-positive NTs, and sparse intraneuronal band-shaped and flame-shaped NFTs in the frontal, temporal, parietal, occipital, and cingulate cortex and the insula. TDP-43: NR Amyloid: Frequent diffuse extracellular (neocortex) amyloid plaques.
63	Case 44 in McKee et al 2009; Case 2 / Omalu et al 2010; Case 2 / Omalu et al 2011	Pathology: Brain weighed 1,535 g. in the fresh state. A cavum septi pellucidi was present. The SNr showed mild pallor. There was mild neocortical neuronal dropout in the frontal, parietal, and temporal lobes, with residual normal laminar and columnar organization. Swollen, achromasic, or ballooned neurons were absent. There was mild extracellular oedema of the cortical gray and white matter. The globus pallidus showed mild neuronal dropout. The LC also revealed mild neuronal dropout. The medulla oblongata revealed mild neuronal dropout and astrogliosis of the dorsal inferior olivary nucleus. There was mild neuronal dropout of the Purkinje neurons. Tau: Sparse to frequent NFTs & NTs in the neocortex, subcortical ganglia and brainstem nuclei. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
64	Case 45 in McKee et al 2009; Case 3 / Omalu et al 2010; Case 3 / Omalu et al 2011	Pathology: Brain weighed 1,140 g. Coronary arteries revealed mild segmental atherosclerosis of the left anterior descending coronary artery and the right coronary artery with approximately 30% and 20% intraluminal occlusion, respectively. Neocortex revealed mild neuronal loss; mild neuronal loss in the Sommer's sector of the hippocampus; cornu ammonis and parahippocampal gray cortex revealed acute contusional microhemorrhages extending to the superficial subcortical white matter; cerebellar cortex revealed focal acute subarachnoidal microextravasations. There was mild neuronal loss of the Purkinje neurons accompanied by mild Bergmann astrogliosis. Tau: Sparse-to-moderate-to-frequent densities of NTs and band-shaped, flame-shaped, and small globose perikaryal NFTs in the neocortex, pyramidal cells of the CA-1, CA-2, and CA-3 regions, the subiculum/ presubiculum, entorhinal cortex, pigmented and nonpigmented neurons of the ventral and tegmental pons and medulla, pontine nuclei and small identifiable fragments of the SNr and LC. Some ghost tangles were noted in the neocortex and hippocampus. TDP-43: NR Amyloid: Hippocampus, neocortex, cerebellum, pons, and medulla revealed no diffuse or neuritic plaques or evidence of cerebral amyloid angiopathy.
65	Case 46 in McKee et al 2009 [Cajigal 2007]; Case 5 / Omalu et al 2010; Case 6 / Omalu et al 2011	Pathology: NR Tau: Sparse to frequent NFTs and NTs throughout the neocortex, subcortical nuclei/basal ganglia, and brainstem. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
66	Case 47 in McKee et al 2009; Case 4 / Omalu et al 2010; Case 5 / Omalu et al 2011	Pathology: Appeared normal on gross inspection. Mild neocortical neuronal loss. Tau: Sparse to frequent NFTs and NTs in the cerebral cortex, brainstem, and few partial sections of subcortical nuclei/basal ganglia in the submitted archival autopsy brain sections. None to sparse NFTs and NTs in the hippocampus. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
67	Case 48 in McKee et al 2009 [Areza-Fegyveres et al 2007]	Pathology: Macroscopic examination of the brain at autopsy showed moderate and symmetric atrophy, particularly of the frontal and temporal lobes, along with moderate enlargement of the lateral ventricles. Total cavum septi pellucidi, and a very thin septum with multiple fenestrations across almost its full extension was evident. Mild-moderate neuronal loss and reactive gliosis in all isocortical structures, predominantly at the frontal and temporal lobes. Intense neuronal loss with reactive gliosis at the CA1 sector was

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		evident, along with less intense loss in the CA4 sector of the hippocampus. Tau: NFTs were present in large amounts at the CA4, CA1 sectors of the hippocampus, at the pre-subicullum, subicullum and entorhinal cortex. They were present in moderate amounts at the frontal, cingulate, temporal, and parietal cortices, and absent at the occipital cortex. TDP-43: NR Amyloid: Rare beta-amyloid senile plaques were found only at the subicullum and entorhinal cortex.
68	Case A in McKee et al 2009; BU CSTE website / John Grimsley / McKee et al (2012) Case 61	Pathology: Mild enlargement of the third ventricle otherwise normal on gross inspection. Mild neuronal loss of hippocampal, entorhinal, and amygdala neurons. Tau: Abundant deposition in the amygdala and adjacent temporal cortex; patchy deposition in the frontal cortex. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
69	Case B in McKee et al 2009 / McKee et al (2012) Case 81	Pathology: Brain weight 1,360g. Mild frontal, temporal and parietal atrophy, mild enlargement of 2nd & 3rd ventricles, cavum and fenestrated septum, severe pallor of SNr and LC. Moderate level of neuronal loss within hippocampus and entorhinal cortex; mild level of neuronal loss within the frontal cortex; parietal cortex; temporal cortex; occipital cortex. Tau: Severe level of NFTs observed within the frontal, parietal & temporal cortices; hypothalamus; SNr; nucleus basalis of Meynert; mammillary bodies; hippocampus; entorhinal cortex; amygdala; SNr; LC; olfactory bulb. Moderate levels were detected in the occipital cortex; thalamus; caudate/putamen; periventricular grey; midbrain tegmentum; spinal cord. Mild levels were observed within the globus pallidus; basis pontis; medulla; inferior olive; red nucleus; CN III & IV; cerebellar dentate. TDP-43: NR Amyloid: Moderate level of Aβ diffuse plaques within the frontal, parietal, and temporal cortices
70	Case C in McKee et al 2009 / McKee et al (2012) Case 75	Pathology: Brain weight 1,220g. Moderate frontal, temporal, and parietal atrophy; mild occipital atrophy; moderate enlargement of 2nd & 3rd ventricles, cavum and fenestrated septum, severe pallor of SNr and LC. Severe level of neuronal loss within hippocampus, entorhinal cortex & cerebellum; moderate level of neuronal loss within the frontal cortex, parietal cortex, temporal cortex & occipital cortex. Tau: Severe level of NFTs observed within the frontal, parietal, & temporal cortices; thalamus; hypothalamus; septal nuclei; nucleus basalis of Meynert; mammillary bodies; hippocampus; entorhinal cortex; amygdala; SNr; LC. Moderate levels were detected in the occipital cortex; caudate/putamen; periventricular grey; midbrain tegmentum; basis pontis; medulla; inferior olive; red nucleus; CN III & IV; spinal cord; cerebellar dentate. Mild levels of NFTs were observed within the globus pallidus. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
71	BU CSTE website / Lou Creekmur / McKee et al (2012) Case 82	Pathology: Profound atrophy, tau deposits visible on gross examination. Tau: Dense tau deposits: insula, temporal and frontal cortices, amygdala, and hippocampus TDP-43: NR Amyloid: No diffuse amyloid plaques observed
72	BU CSTE website / Mike Borich / McKee et al (2012) Case 60	Pathology: NR Tau: Extensive tau deposition throughout the frontal and temporal gray matter TDP-43: NR Amyloid: NR
73	BU CSTE website / Thomas McHale; Case 8 Omalu et al 2011 / McKee et al (2012) Case 62	Pathology: NR Tau: McKee: Extensive deposition of tau protein as neurofibrillary tangles and neuropil neurites throughout the neocortex. Dense, patchy deposition of tau protein in the amygdala, inferior orbital cortex, hippocampus, and temporal cortex. Omalu: Sparse to frequent NFTs and NTs in the cerebral cortex, subcortical nuclei/basal ganglia, and hippocampus. No sections of the brainstem in submitted autopsy archival brain sections. Sparse to moderate NFTs and NTs in the hippocampus. TDP-43: NR Amyloid: Sparse to frequent diffuse amyloid plaques in the cerebral cortex.
74	BU CSTE Media Release / Derek Boogaard / McKee et al (2012) Case 45	Pathology: NR; Tau: NR; TDP-43: NR; Amyloid: NR
75	BU CSTE Media Release / Rick Martin / McKee et al (2012) Case 55	Pathology: NR; Tau: NR; TDP-43: NR; Amyloid: NR
76	BU CSTE Media Release / Bob Probert / McKee et al (2012) Case 50	Pathology: NR; Tau: NR; TDP-43: NR; Amyloid: NR
77	BU CSTE Media Release / Reggie Flemming / McKee et al (2012) Case 97	Pathology: NR; Tau: NR; TDP-43: NR; Amyloid: NR

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
78	Case 4 Omalu et al 2011	Pathology: NR Tau: No evidence of NFTs or NTs in the cerebral cortex, subcortical nuclei/basal ganglia, hippocampus, or cerebellum TDP-43: NR Amyloid: No diffuse amyloid plaques observed
79	Case 7 Omalu et al 2011	Pathology: NR Tau: No evidence of NFTs or NTs in the cerebral cortex, subcortical nuclei/basal ganglia, hippocampus, or cerebellum TDP-43: NR Amyloid: No diffuse amyloid plaques observed
80	Case 9 Omalu et al 2011	Pathology: NR Tau: Moderate to frequent NFTs and NTs in brainstem nuclei. None to sparse NFTs and NTs in the cerebral cortex and subcortical nuclei/basal ganglia. Sparse to moderate NFTs and NTs in the hippocampus. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
81	Case 10 Omalu et al 2011	Pathology: NR Tau: None to sparse NFTs and NTs in neocortex and subcortical nuclei/basal ganglia. None to sparse NFTs and NTs in the hippocampus. None to sparse NFTs and NTs in brainstem nuclei. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
82	Case 11 Omalu et al 2011	Pathology: NR Tau: No evidence of NFTs or NTs in the cerebral cortex, subcortical nuclei/basal ganglia, hippocampus, or cerebellum. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
83	Case 12 Omalu et al 2011	Pathology: NR Tau: Sparse to frequent NFTs and NTs in the cerebral cortex, subcortical nuclei/ basal ganglia, and brainstem nuclei. Sparse to frequent NFTs and NTs in the hippocampus. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
84	Case 13 Omalu et al 2011	Pathology: NR Tau: No evidence of NFTs or NTs in the cerebral cortex, subcortical nuclei/basal ganglia, hippocampus, or cerebellum TDP-43: NR Amyloid: No diffuse amyloid plaques observed
85	Case 14 Omalu et al 2011	Pathology: NR Tau: Moderate to frequent NFTs and NTs in the neocortex, subcortical nuclei/basal ganglia, hippocampus, and brainstem nuclei. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
86	Case 15 Omalu et al 2011	Pathology: NR Tau: None to sparse NFTs and NTs in the neocortex, hippocampus, subcortical nuclei/basal ganglia, and brainstem. TDP-43: NR Amyloid: No diffuse amyloid plaques observed
87	Case 16 Omalu et al 2011	Pathology: NR Tau: No evidence of NFTs or NTs in the cerebral cortex, subcortical nuclei/basal ganglia, hippocampus, or cerebellum TDP-43: NR Amyloid: No diffuse amyloid plaques observed
88	Case 17 Omalu et al 2011	Pathology: NR Tau: No evidence of NFTs or NTs in the cerebral cortex, subcortical nuclei/basal ganglia, hippocampus, or cerebellum TDP-43: NR Amyloid: No diffuse amyloid plaques observed
89	Saing et al (2012)	Pathology: Brain weight: 1115.9g; septum pellucidum was absent and moderately severe ventricular enlargement and thinning of the corpus callosum and was observed. Moderate depigmentation of the SNr and LC. Tau: NFTs - extensive within frontal, temporal, & parietal neocortices and within CA1, subiculum, and entorhinal-transentorhinal region. TDP-43: Fibrils, dense granules, NFT labelling, and coiled body-like comma-shaped TDP-43-positive oligodendrocytes observed in the frontal cortex.

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		Amyloid: Plaques were widespread throughout the grey matter; Neuritic plaques - Mild-Moderate within middle frontal & rostral & caudal cingulate cortices; Minimal within superior temporal, inferior parietal, and calcarine/pericalcarine cortices, and within the hippocampal CA1, subiculum, entorhinal-transentorhinal region, and amygdala
90	McCrory, Turner, Murray (2004) Punch drunk jockey?	Pathology: N/A; Tau: N/A; TDP-43: N/A; Amyloid: N/A.
91	King et al (2010) Case 35	Pathology: NR beyond suggestion of a cavum septum pellucidum Tau: Moderate NFT inclusion in neocortex, subpial, depths of sulci, SNr, and perivascular regions. Moderate level of neuritic plaques internal capsule. TDP-43: Mild inclusion within the entorhinal cortex, amygdala, dentate gyrus, limbic system, and neocortex. Inclusion also demonstrated in frontal & temporal cortex, thalamus, internal capsule, SNr, & pons. Amyloid: Moderate level of Aβ diffuse plaques
92	King et al (2010) Case 36	Pathology: NR beyond suggestion of a cavum septum pellucidum Tau: Moderate NFT inclusion in neocortex, subpial, depths of sulci, SNr, and perivascular regions. Moderate level of neuritic plaques internal capsule. TDP-43: Mild inclusion within the entorhinal cortex, amygdala, dentate gyrus, basal ganglia, limbic system and neocortex. Inclusion also demonstrated in frontal & temporal cortex, caudate, thalamus, internal capsule, SNr & pons. Amyloid: Mild level of Aβ diffuse plaques
93	King et al (2010) Case 37	Pathology: NR beyond suggestion of a cavum septum pellucidum Tau: Moderate NFT inclusion in neocortex, subpial, depths of sulci, SNr, and perivascular regions. Moderate level of neuritic plaques internal capsule. TDP-43: Mild inclusion within the entorhinal cortex, amygdala, dentate gyrus, basal ganglia, limbic system and neocortex. Inclusion also demonstrated in frontal & temporal cortex, caudate, thalamus, internal capsule, SNr & pons. Amyloid: Moderate level of Aβ diffuse plaques
94	Hazrati et al (2013) Case 1	Pathology: Diagnosis both CTE & severe AD (Braak Stage VI/VI). Brain weight 1200 g, mild but preferential wasting of the frontal and temporal lobes. The ventricles were moderately enlarged. There was a cavum septi pellucidi, thinning of the corpus callosum, and atrophy of the amygdala and mammillary bodies. Depigmentation of the SNr. Tau: Widespread, NFTs predominantly in the superficial layers in the gray matter and depths of the sulci, deeper layers of the cortex and tau-positive glia in the subpial and patchy areas in gray/white matter. Tau distribution was diffuse throughout the brain involving the frontal, temporal, and inferior parietal lobes, indusium griseum, striate, and cingulate cortices. There was heavy tau staining in the amygdala and throughout the hippocampus, patchy tau-positive inclusions seen throughout the brainstem, the nucleus basalis of Meynert, thalamus, hypothalamus, and mammillary bodies. TDP-43: Not a feature in this case. Amyloid: Numerous senile plaques were observed throughout the brain, most notably in the trans-entorhinal cortex.
95	Hazrati et al (2013) Case 2	Pathology: Diagnosis ALS. Brain weight 1540 g and normal exterior appearance without atrophy. Ventricles were of normal size with no cavum septi pellucidi and the SNr revealed normal pigmentations. Loss of neurons in the motor nuclei of multiple cranial nerves, predominately cranial nerves VII and XII. Tau: Pathological deposition of the hyperphosphorylated tau was very scarce and limited to the trans-entorhinal cortex in the shape of NFTs in neurons. TDP-43: TDP-43 positive intracytoplasmic inclusion, some intracyplasmic TDP-43-positive inclusions, and neuronal loss was also noted in the cranial spinal cord involving the lower motor neurons. Inclusions were also noted in the primary motor cortex, and to a lesser extent, in the dentate gyrus. Amyloid: A few beta-amyloid plaques were noted.
96	Hazrati et al (2013) Case 3	Pathology: Diagnosis diffuse Lewy Body disease & CTE. Brain weight 1090 g, moderate volume loss in the frontal, temporal and parietal lobes, with mild atrophy was noted in the occipital lobe. There was significant enlargement, and thinning of the corpus callosum and cavum septi pellucidi. Coronal sectioning of the brain revealed significant atrophy of the amygdala and hippocampus and pallor of the SNr. NFTs and astrocytic tangles clustering in patches in the superficial layers of the most cortical areas in both the sulci and gyral crowns. There were diffuse astrocytic tangles noted around blood vessels and throughout the parenchyma. Abnormal pallor of the white matter. Tau: Tau-immunopositive neurons were most pronounced in the amygdala and hippocampus. Diffuse astrocytic tangles noted around blood vessels and throughout the parenchyma. Tau-positive inclusions and neurites also populated the subcortical structures including the striatum, globus pallidus, dentate nucleus of the cerebellum, thalamus, subthalamic nucleus, substantia nigra, hypothalamus, septal nuclei, nucleus basalis of Meynert, mammillary bodies, periventricular white matter, locus ceruleus, red nucleus, and the nucleus of the third cranial nerve. Senile plaques were observed in the hippocampus and cortical areas that were tau-positive. TDP-43: Localized TDP-43 staining of the amygdala and hippocampus revealed numerous inclusions. Alpha-synuclein staining revealed numerous Lewy bodies and Lewy neurites throughout the cortex, SNr and LC suggested advanced Lewy body disease. Amyloid: NR.
97	Hazrati et al (2013) Case 4	Pathology: Diagnosis CTE & multiple infarcts. Brain weight 1400 g, with mild atrophy of the frontal and temporal lobes. There were findings consistent with widespread metastatic disease from a lung carcinoma and severe vascular atherosclerotic disease with multifocal brain infarctions. There was also thinning of the olfactory tracts and hypothalamus. Coronal sections of the brain showed an enlarged ventricular system, corpus callosum atrophy, and cavum septi pellucidi. Pigmentation of the SN appeared within normal limits. Mild to moderate neuronal loss and gliosis in CA1, subiculum, entorhinal cortex, amygdala, mammillary bodies, and medial thalamic nuclei. Granulovacuolar degeneration noted in the CA1 and subiculum area with pronounced subpial gliosis in the trans-entorhinal cortex. Tau: Widespread tau-positive NFTs and astrocytic tangles in multiple layers (superficial > deep) of the cortex, especially in the depths of sulci. Some inclusions noted in the

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		gyral crowns. These inclusions were consistently found in all cortical areas with a predilection for the medial temporal, hippocampus, and amygdala areas. NFTs were also noted in thalamus, periventricular hypothalamic areas extending into the mamillary bodies, the nucleus basalis of Meynert, and clustering around blood vessels. TDP-43: TDP-43 and alpha-synuclein were not present. Amyloid: Amyloid plaques were reported but the nature of their presence was not described.
98	Hazrati et al (2013) Case 5	Pathology: Diagnosis: AD. Brain weight 1300 g, with moderate ventricular enlargement. Tau: Revealed numerous NFTs in neurons of the deep cortical layers, concentrated to the trans-entorhinal cortex, hippocampus, and isocortex, with significant extension into the primary visual cortex. There was also significant presence of tangles in nucleus basalis of Meynert, amygdala, substantia nigra, and in the Edinger-Westphal nucleus. Supplementing the tangles were numerous dense-core, beta-amyloid positive plaques. TDP-43: No evidence of TDP-43 or alpha-synuclein was observed. Amyloid: NR.
99	Hazrati et al (2013) Case 6	Pathology: Diagnosis PD. Brain weight 1450 g, with mild diffuse cortical atrophy and mildly dilated ventricles. Diffuse Lewy body disease with Lewy bodies and Lewy neuritis in the cerebral cortex, olfactory bulbs, indusium griseum, SNr and limbic system, including the CA2-4 subdivisions of the hippocampus. Extensive neuronal loss in the SNr pars compacta, locus ceruleus, dorsal nucleus of cranial nerve X, and nucleus basalis of Meynert. Tau: Very limited tau labelling in the hippocampus, the amygdala, and peri-amygdala cortex. TDP-43: No TDP-43 was present. Amyloid: Widespread distribution of diffuse amyloid plaques.
100	McKee et al (2012) Case 36	Pathology: Brain weight: N/A. No pathology reported. Tau: Very severe in lateral frontal area. TDP-43: Mild level of TDP-43 Amyloid: NR
101	McKee et al (2012) Case 37	Pathology: Brain weight: N/A. No pathology reported. Tau: Very severe in the dorsolateral and lateral frontal area and moderate in the dorsal medullar nucleus. TDP-43: Mild level of TDP-43 Amyloid: NR
102	McKee et al (2012) Case 38	Pathology: Brain weight: 1360g. Moderate enlargement of the second and third ventricle with mild third ventricle concave. Moderate CC atrophy and mild thalamic atrophy. Tau: Mild in the superior frontal, dorsolateral frontal, lateral frontal, cingulate and inferior frontal areas. TDP-43: NR Amyloid: NR
103	McKee et al (2012) Case 39	Pathology: Brain weight: 1670g. Mild enlargement of the second ventricle. Tau: Severe in the superior frontal, dorsolateral frontal and lateral frontal areas and mild in the LC and inferior frontal areas. TDP-43: Mild level of TDP-43 Amyloid: NR
104	McKee et al (2012) Case 40	Pathology: N/A Tau: Very severe in the lateral frontal area, severe in the dorsolateral frontal area, moderate in the hippocampus and mild in the entorhinal cortex. TDP-43: NR Amyloid: NR
105	McKee et al (2012) Case 41	Pathology: N/A Tau: Very severe in the dorsolateral frontal, lateral frontal areas. TDP-43: Mild level of TDP-43 Amyloid: NR
106	McKee et al (2012) Case 42	Pathology: Brain weight: 1360g. Moderate enlargement of the second ventricle and mild pallor of the SNr. Tau: Very severe in the dorsolateral frontal area and mild in the LC. TDP-43: NR Amyloid: NR
107	McKee et al (2012) Case 43	Pathology: N/A Tau: Very severe in the superior frontal, dorsolateral frontal, lateral frontal and inferior frontal areas, moderate in the hypothalamus and mild in the thalamus. TDP-43: Mild level of TDP-43 Amyloid: NR
108	McKee et al (2012) Case 44	Pathology: Brain weight: 1410g. No pathology reported. Tau: Severe in the thalamus, mild in the hippocampus and entorhinal cortex. TDP-43: NR

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		Amyloid: NR
109	McKee et al (2012) Case 46	Pathology: Brain weight: 1460g. Mild thalamic, caudate/putamen, GP, pallor SNr and LC. Tau: Severe in the superior frontal, dorsolateral frontal, lateral frontal, inferior frontal, and inferior parietal, superior temporal areas, severe in the septal area, moderate in the substantial innominata, LC, inferior temporal area, temporal pole, hippocampus, Rolandic area and middle temporal area, mild SNr, dorsal/medial raphe, dorsal medullar nucleus, spinal cord, entorhinal cortex, amygdala, hypothalamus, thalamus, cingulate and insula. TDP-43: Very severe level of TDP-43 Amyloid: NR
110	McKee et al (2012) Case 47	Pathology: Brain weight: 1470g. No pathology reported. Tau: Very severe in the inferior parietal, lateral frontal and inferior frontal areas, moderate in the hippocampus, superior frontal and dorsolateral frontal areas, mild in the substantia innominata, SNr, dorsal/medial raphe, LC, inferior temporal, temporal pole, amygdala, cingulate, septal, insula, superior temporal and middle temporal areas. TDP-43: Mild level of TDP-43 Amyloid: NR
111	McKee et al (2012) Case 48	Pathology: Brain weight: 1680. Cavum SP (0.7mm). Mild enlargement of the third ventricle. Tau: Very severe in the superior frontal, dorsolateral frontal. Lateral frontal, superior temporal, temporal pole and inferior parietal areas, severe in the amygdala, moderate in the substantia innominata, hippocampus, entorhinal cortex and septal areas, mild in the SNr, dorsal/medial raphe, LC, inferior temporal area, hypothalamus, thalamus, Rolandic area, cingulate, inferior frontal area, insula and superior temporal area. TDP-43: Very severe level of TDP-43 Amyloid: NR
112	McKee et al (2012) Case 49	Pathology: N/A Tau: Very severe in the lateral frontal and inferior frontal areas, moderate in the caudate accumbens putamen, substantia innominata temporal pole, hippocampus, hypothalamus and mammillary bodies, mild in the GP, inferior temporal area, entorhinal cortex, thalamus, superior frontal area, dorsolateral frontal area, septal area, insula, and superior temporal area. TDP-43: Absent Amyloid: NR
113	McKee et al (2012) Case 51	Pathology: N/A Tau: Severe in the temporal pole, superior frontal area, dorsolateral frontal area, lateral frontal area and superior temporal area, moderate in the inferior temporal area, inferior frontal area, septal area, insula and middle temporal area, mild in the spinal cord and inferior parietal area. TDP-43: Absent Amyloid: NR
114	McKee et al (2012) Case 52	Pathology: Brain weight: 1600g. Cavum SP (0.2mm), mild enlargement of the third ventricle with mild third ventricle concave. Tau: Very severe in the superior frontal, lateral frontal and superior temporal areas, severe in the temporal pole, dorsolateral frontal area, inferior frontal area, septal area, insula, moderate in the LC, inferior temporal area and middle temporal area, mild in the caudate accumbens putamen, substantia innominata, SNr, dorsal/medial raphe, dorsal medulla nucleus, inferior parietal area, hippocampus, entorhinal cortex, amygdala, hypothalamus, thalamus and cingulate. TDP-43: Mild levels Amyloid: NR
115	McKee et al (2012) Case 53	Pathology: Brain weight: 1360g. Cavum SP (0.3mm), mild enlargement of the second ventricle, mild pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the LC, inferior parietal area, superior frontal, dorsolateral frontal, lateral frontal, inferior frontal areas, severe in the substantia innominata, hypothalamus, thalamus, dorsal/medial raphe, moderate in the SNr, entorhinal cortex, septal area and insula, mild in the dorsal medullar nucleus, spinal cord, inferior temporal area, temporal pole, hippocampus, amygdala, mammillary body, Rolandic area, cingulate, superior temporal and middle temporal areas. TDP-43: Very severe levels Amyloid: NR
116	McKee et al (2012) Case 54	Pathology: Brain weight: 1550g. Mild enlargement of the second and third ventricle with mild third ventricle concave. Mild pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the superior frontal, dorsolateral frontal, lateral frontal areas, severe in the substantia innominata, moderate in the LC, spinal cord, inferior temporal area, temporal pole, thalamus, Rolandic area, superior temporal and middle temporal area, mild in the caudate accumbens putamen, SNr, dorsal/medial raphe, inferior parietal area, hippocampus, entorhinal cortex, amygdala. hypothalamus, mammillary body, cingulate, inferior frontal area, septal area and insula. TDP-43: Mild levels Amyloid: Moderate cerebral angiopathy.
117	McKee et al (2012) Case 56	Pathology: Brain weight: 1460g. Mild enlargement of the second and third ventricle and frontal atrophy. Tau: Very severe in the mammillary body and dorsolateral frontal area, severe in the inferior parietal are, amygdala, superior frontal area and the lateral frontal area, moderate in the substantia innominata, SNr, dorsal/medial raphe, LC, spinal cord, hypothalamus, thalamus and insula, mild in the caudate accumbens putamen, globus pallidus, inferior temporal area, temporal pole, entorhinal cortex, cingulate, inferior frontal area, septal area, superior temporal area and middle temporal area.

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		TDP-43: Mild levels Amyloid: Very severe diffuse plaques and mild neuritic plaques.
118	McKee et al (2012) Case 57	Pathology: N/A; Tau: Moderate in the caudate accumbens putamen; TDP-43: Absent; Amyloid: NR.
119	McKee et al (2012) Case 58	Pathology: N/A Tau: Very severe in the inferior temporal area, temporal pole, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, superior temporal area, middle temporal area and septal area, severe in the amygdala and insula and moderate in the inferior parietal area. TDP-43: Mild levels Amyloid: NR
120	McKee et al (2012) Case 59	Pathology: Brain weight: 1430g. Moderate third ventricle concave. Tau: Very severe in the superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, inferior parietal area, entorhinal cortex, cingulate, insula and septal area, severe in the SNr, LC, Rolandic area, inferior temporal area, temporal pole and middle temporal area, moderate in the hippocampus and superior temporal area and mild in the caudate accumbens putamen, GP, substantia innominata, amygdala, dorsal/medial raphe, dorsal medullar nucleus and spinal cord. TDP-43: Severe levels Amyloid: NR
121	McKee et al (2012) Case 63	Pathology: Brain weight: 1300g. Mild fibrotic meninges, cavum SP (0.5mm), mild enlargement of the third ventricle with mild third ventricle concave, mild pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the substantia innominata, LC, inferior temporal area, temporal pole, entorhinal cortex, amygdala, thalamus, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, septal area and insula, severe in the nucleus accumbens and SNr, moderate in the dorsal/medial raphe, dorsal medullar nucleus, inferior parietal area, hippocampus, hypothalamus and mammillary body and mild in the Rolandic area, cingulate, superior and middle temporal areas. TDP-43: Mild levels Amyloid: NR
122	McKee et al (2012) Case 64	Pathology: Brain weight: 1550g. Moderate fibrotic meninges, mild enlargement of the second ventricle, moderate enlargement of the third ventricle with mild third ventricle concave, mild hippocampal atrophy, mild thalamic atrophy, mild atrophy of the hypothalamus, moderate atrophy of the corpus callosum, mild pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the substantia innominata, inferior temporal area, temporal pole, hippocampus, amygdala, dorsolateral frontal area, lateral frontal area and the inferior frontal area, severe in the dorsal/medial raphe, LC, entorhinal cortex and hypothalamus, moderate in the SNr, inferior parietal area, superior frontal area, cingulate, septal area, insula and middle temporal area, mild in the caudate accumbens putamen, dorsal medullar nucleus, thalamus, mammillary body and Rolandic area. TDP-43: Mild levels Amyloid: NR
123	McKee et al (2012) Case 65	Pathology: N/A Tau: Severe in the LC, hippocampus, entorhinal cortex and superior temporal area, moderate in the GP, SNr, hypothalamus and thalamus, mild in the caudate accumbens putamen, dorsal/medial raphe and amygdala. TDP-43: Absent Amyloid: NR
124	McKee et al (2012) Case 66	Pathology: Brain weight: 1530g. cavum SP (0.7mm) with fenestration, mild enlargement of the second and third ventricle, moderate atrophy of the mammillary bodies, mild pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the substantia innominata, LC, inferior frontal area, dorsolateral frontal area, lateral frontal area, inferior temporal area, temporal pole, inferior parietal area, superior temporal area, middle temporal area, hippocampus, entorhinal cortex, amygdala, hypothalamus, mammillary body, septal area and insula, severe in the SNr and dorsal/medial raphe, moderate in the spinal cord, thalamus, Rolandic area and cingulate, mild in the caudate accumbens putamen, GP and cerebellar dentate. TDP-43: Very severe levels Amyloid: NR
125	McKee et al (2012) Case 67	Pathology: N/A Tau: Very severe in the inferior temporal area, temporal pole, amygdala, insula, superior and middle temporal areas, severe in the substantia innominata, entorhinal cortex and septal area, moderate in the hippocampus, mild in the caudate accumbens putamen, spinal cord, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area and inferior frontal area. TDP-43: Mild levels Amyloid: NR
126	McKee et al (2012) Case 68	Pathology: Brain Weight: 1360g. Cavum SP (0.3mm) with fenestration, moderate enlargement of the second and third ventricle with moderate concave of the third ventricle, mild hippocampal atrophy, mild thalamic atrophy, moderate atrophy of the mammillary bodies, mild pallor of the SNr and LC. Tau: Very severe in the substantia innominata, LC, inferior temporal area, temporal pole, hippocampus, entorhinal cortex, amygdala, superior frontal area, dorsolateral frontal

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		area, lateral frontal area, superior temporal area and middle temporal area, severe in the nucleus accumbens, SNr, dorsal/medial raphe, mammillary body, moderate in the inferior parietal area, hypothalamus, thalamus, and Rolandic area, mild in the GP, dorsal medullar nucleus, cerebellar dentate, spinal cord, cingulate, inferior frontal area, septal area and insula. TDP-43: Mild levels Amyloid: NR
127	McKee et al (2012) Case 69	Pathology: Brain weight: 1320g. Moderate fenestrated septum, moderate enlargement of the second ventricle, severe enlargement of the third ventricle with severe third ventricle concave, mild frontal atrophy, mild hippocampal atrophy, moderate atrophy of the thalamus, moderate atrophy of the hippocampus, mild atrophy of the mammillary bodies, moderate atrophy of the CC, and moderate pallor of the LC. Tau: Very severe in the inferior temporal area, temporal pole hippocampus and entorhinal cortex, severe in the LC, amygdala, superior frontal area, dorsolateral area, lateral frontal area, septal area and superior temporal area, moderate in the caudate accumbens putamen, substantia innominata, SNr, dorsal/medial raphe, dorsal medullar nucleus, spinal cord, hypothalamus, thalamus, mammillary body and middle temporal area, mild in the GP, cerebellar dentate, Rolandic area, cingulate, inferior frontal area and insula. TDP-43: Severe levels Amyloid: NR
128	McKee et al (2012) Case 70	Pathology: Brain weight: 1300g. Mild fibrotic meninges, cavum SP (0.3mm), moderate enlargement of the second and moderate third ventricle with third ventricle concave, mild frontal, temporal and parietal atrophy, mild hippocampal, entorhinal cortex, amygdala and mammillary bodies atrophy, moderate CC, thalamus and hypothalamus atrophy, mild pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the inferior temporal area, temporal pole, calcarine, hippocampus, entorhinal cortex, amygdala, thalamus, mammillary body, inferior frontal area, septal area, insula, superior temporal and middle temporal area, severe in the substantia innominata, SNr, dorsal/medial raphe, LC, superior frontal area, dorsolateral frontal, lateral frontal area, Rolandic area and cingulate moderate in the caudate accumbens putamen, dorsal medullar nucleus and inferior parietal area and mild in the GP. TDP-43: Mild levels Amyloid: Moderate diffuse plaques, moderate neuritic plaques, severe cerebral angiopathy.
129	McKee et al (2012) Case 71	Pathology: Brain weight: Unknown. Mild fibrotic meninges, moderate enlargement of the second and moderate third ventricle with moderate third ventricle concave, mild frontal, temporal, parietal and occipital atrophy, mild hippocampal, entorhinal cortex, amygdala, thalamus and hypothalamus atrophy, moderate CC atrophy, moderate pallor of the SNr and LC. Tau: Very severe in the dorsal/medial raphe, LC, spinal cord, inferior temporal area, temporal pole, inferior parietal area, thalamus, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, septal area and insula, severe in the SNr and hippocampus moderate in the caudate accumbens putamen, GP, substantia innominata, cerebellar dentate, calcarine, amygdala, hypothalamus, Rolandic area, cingulate, superior and middle temporal area. TDP-43: Mild levels Amyloid: Mild diffuse plaques.
130	McKee et al (2012) Case 72	Pathology: Brain weight: Unknown. Moderate fibrotic meninges, cavum SP (0.7mm), moderate enlargement of the second, severe enlargement of the third ventricle with severe third ventricle concave, mild frontal atrophy, mild hippocampal atrophy, moderate CC atrophy. Tau: Very severe in the substantia innominata, inferior temporal area, temporal pole, hippocampus, entorhinal cortex, amygdala, hypothalamus, superior frontal area, dorsolateral frontal area, lateral frontal area, insula and superior and middle temporal area, severe in the nucleus accumbens, thalamus, mammillary body, inferior frontal area and septal area, moderate in the inferior parietal area and mild in the cingulate. TDP-43: Mild levels Amyloid: NR
131	McKee et al (2012) Case 73	Pathology: Brain weight: 1260g. Moderate fenestrated septum, moderate enlargement of the second and third ventricle with moderate concave of the third ventricle. Moderate frontal and temporal atrophy, mild parietal and occipital atrophy. Moderate hippocampal, entorhinal cortex, amygdala, thalamus and hypothalamus, severe mammillary body atrophy, moderate pallor of the SNr and very severe pallor of the LC. Tau: Very severe in the substantia innominata, SNr, dorsal/medial raphe, LC, inferior temporal area, temporal pole, hippocampus, entorhinal cortex, amygdala, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, septal area, insula and superior and middle temporal area, severe in the inferior parietal area, Rolandic area and cingulate, moderate in the caudate accumbens putamen, dorsal medullar nucleus, cerebellar dentate and spinal cord, mild in the GP. TDP-43: Severe levels Amyloid: Mild diffuse plaques, mild neuritic plaques.
132	McKee et al (2012) Case 74	Pathology: Brain weight: Unknown. Cavum SP (1.0mm), with moderate fenestration, moderate enlargement of the second and third ventricles with moderate third ventricle concave, mild frontal and temporal atrophy, moderate hippocampal, entorhinal cortex, amygdala and CC atrophy, moderate pallor of the SNr and LC. Tau: Very severe in the substantia innominata, SNr, dorsal/medial raphe, LC, dorsal medullar nucleus, spinal cord, inferior temporal area, temporal pole, inferior parietal area, hippocampus, entorhinal cortex, amygdala, hypothalamus, thalamus, mammillary body, , superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, Rolandic area, septal area, insula and superior and middle temporal area, severe in the cingulate, moderate in the , superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, GP and cerebellar dentate.

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		TDP-43: Severe levels Amyloid: Moderate diffuse plaques, mild neuritic plaques
133	McKee et al (2012) Case 76	Pathology: Brain weight: 1380g. Cavum SP (1.0mm) with severe fenestration, moderate enlargement of the second ventricle and severe enlargement of the third ventricle with severe concave of the third ventricle. Moderate frontal and temporal atrophy, mild parietal and occipital atrophy, mild hippocampal, entorhinal cortex and amygdala atrophy, moderate thalamus, hypothalamus, mammillary bodies and CC atrophy. Moderate pallor of the SNr and severe pallor of the LC. Tau: Very severe in the inferior temporal area, temporal pole, hippocampus, entorhinal cortex, superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, septal area, insula and superior and middle temporal area, severe in the caudate accumbens putamen, substantia innominata, SNr, dorsal/medial raphe, amygdala, hypothalamus, thalamus, cingulate and mammillary body, moderate in the LC, spinal cord, inferior parietal area and inferior frontal area and mild in the GP and dorsal medullar nucleus. TDP-43: Severe levels Amyloid: NR
134	McKee et al (2012) Case 77	Pathology: Brain weight: 1420g. Moderate enlargement of the second and third ventricles with moderate concave of the third ventricle, moderate frontal, temporal, parietal and occipital atrophy, moderate hippocampal, amygdala, thalamus and CC atrophy, mild entorhinal cortex atrophy and moderate pallor of the SNr and LC. Tau: Very severe in the mammillary body, moderate in the substantia innominata, SNr, dorsal/medial raphe, LC, dorsal medullar nucleus, cerebellar dentate, spinal cord, entorhinal cortex, amygdala, hypothalamus, thalamus and lateral frontal area, mild in the caudate accumbens putamen, inferior temporal area, temporal pole, inferior parietal area, hippocampus, superior frontal area, dorsolateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula and superior and middle temporal area. TDP-43: Moderate levels Amyloid: NR
135	McKee et al (2012) Case 78	Pathology: Brain weight: 860g. mild fibrotic meninges, severe fenestrated septum, very severe enlargement of the second and third ventricles with very severe third ventricle concave, severe frontal, temporal, parietal and occipital atrophy, very serve hippocampal, entorhinal cortex, and amygdala atrophy, severe thalamus, hypothalamus and mammillary body and CC atrophy, mild caudate/putamen and GP atrophy, very severe pallor of the SNr and LC. Tau: Very severe in the substantia innominata, SNr, dorsal/medial raphe, LC, cerebellar dentate, spinal cord, inferior temporal area, temporal pole, inferior parietal area, hippocampus, entorhinal cortex, amygdala, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula and superior and middle temporal area, severe in the caudate accumbens putamen and GP, moderate in the dorsal medullar nucleus and calcarine. TDP-43: Severe levels Amyloid: Mild diffuse plaques, very severe cerebral angiopathy
136	McKee et al (2012) Case 79	Pathology: Brain weight: 1000g. Mild fibrotic meninges, cavum SP (0.7mm) with moderate fenestration, severe enlargement of the second and third ventricles with severe concave of the third ventricle, moderate frontal, temporal, parietal and occipital atrophy, severe hippocampal, entorhinal cortex, amygdala, thalamus, hypothalamus, mammillary body atrophy, moderate CC atrophy, severe pallor of the SNr and LC. Tau: Very severe in the substantia innominata, SNr, dorsal/medial raphe, LC, inferior temporal area, temporal pole, inferior parietal area, hippocampus, entorhinal cortex, amygdala, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, septal area, insula and superior and middle temporal area, severe in the caudate accumbens putamen and GP, moderate in the dorsal medullar nucleus, Rolandic area and cingulate, mild in the cerebellar dentate and spinal cord. TDP-43: Severe levels Amyloid: Mild diffuse plaques, mild neuritic plaques.
137	McKee et al (2012) Case 80	Pathology: Brain weight: 1300g. Cavum SP (0.7mm), moderate enlargement of the second and third ventricle with moderate third ventricle concave, moderate hippocampal, entorhinal cortex, amygdala, thalamus, hypothalamus and CC atrophy, mild mammillary body atrophy, mild pallor of the SNr and severe pallor of the LC. Tau: Very severe in the substantia innominata, SNr, inferior temporal area, temporal pole, hippocampus, entorhinal cortex, amygdala, hypothalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, septal area, insula and superior and middle temporal area, severe in the caudate accumbens putamen and cingulate, moderate in the dorsal/medial raphe, calcarine and thalamus, mild in the GP, dorsal medullar nucleus, spinal cord, inferior parietal area and Rolandic area. TDP-43: Severe levels Amyloid: Moderate diffuse plaques, mild neuritic plaques, mild cerebral angiopathy.
138	McKee et al (2012) Case 83	Pathology: Brain weight: 1090g. Moderate fibrotic meninges, severe enlargement of the second and third ventricles with severe concave of the third ventricle, severe frontal, and temporal atrophy, moderate parietal and occipital atrophy, severe hippocampal, entorhinal cortex and amygdala atrophy, moderate thalamus, hypothalamus, mammillary body and CC atrophy. Mild pallor of the Snr and severe pallor of the LC. Tau: Very severe in the substantia innominata, SNr, dorsal/medial raphe, LC, inferior temporal area, temporal pole, inferior parietal area, entorhinal cortex, amygdala, hypothalamus, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, septal area, insula and superior and middle temporal area, severe in the cingulate, moderate in the caudate accumbens putamen, dorsal medullar nucleus, spinal cord, hippocampus, thalamus and mammillary body, mild in the GP, cerebellar dentate and Rolandic area. TDP-43: Very severe levels

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		Amyloid: Mild diffuse plaques, mild neuritic plaques.
139	McKee et al (2012) Case 84	Pathology: Brain weight: 1170g. Severe fenestrated septum, moderate enlargement of the second ventricles, severe enlargement of the third ventricle with severe concave of the third ventricle, moderate frontal and parietal atrophy, mild temporal and occipital atrophy, severe hippocampal and mammillary body atrophy, moderate entorhinal cortex, amygdala, thalamus, hypothalamus and CC atrophy, severe pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the substantia innominata, SNr, dorsal/medial raphe, LC, hippocampus, entorhinal cortex, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area and Rolandic area, severe in the calcarine, moderate in the caudate accumbens putamen and dorsal medullar nucleus, mild in the GP, inferior temporal area, temporal pole, inferior parietal, amygdala, cingulate, inferior frontal area, septal area, insula and superior and middle temporal area. TDP-43: Severe levels Amyloid: Very severe diffuse plaques, mild neuritic plaques, mild cerebral angiopathy.
140	McKee et al (2012) Case 85	Pathology: Brain weight: 990g. Severe fibrotic meninges, severe enlargement of the second and third ventricles with severe concave of the third ventricle, severe frontal and temporal atrophy, moderate parietal and occipital atrophy, very severe amygdala atrophy, severe hippocampal, entorhinal cortex, thalamus, hypothalamus, mammillary bodies and CC atrophy, moderate caudate/putamen and GP atrophy, mild pallor of the SNr and very severe pallor of the LC. Tau: Very severe in the LC, amygdala, cingulate and septal area, severe in the substantia innominata, dorsal/medial raphe, inferior temporal area, temporal pole, entorhinal cortex, hypothalamus, insula, superior and middle temporal area, moderate in the caudate accumbens putamen, GP, SNr, spinal cord, inferior parietal, calcarine, hippocampus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area and Rolandic area, mild in the dorsal medullar nucleus and cerebellar dentate. TDP-43: Very severe levels Amyloid: Moderate diffuse plaques, moderate neuritic plaques, moderate cerebral angiopathy..
141	McKee et al (2012) Case 86	Pathology: N/A Tau: Largely N/A. Very severe in the superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area, superior temporal area and middle temporal area, severe in the cingulate, moderate in the thalamus and Rolandic area. TDP-43: Very severe levels Amyloid: NR
142	McKee et al (2012) Case 87	Pathology: Brain weight: 1250g. Moderate fenestrated septum, moderate enlargement of the second and third ventricles with moderate concave of the third ventricle, mild frontal, temporal, parietal and occipital atrophy, moderate thalamus atrophy, mild hippocampus, entorhinal cortex, amygdala and CC atrophy, severe pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the substantia innominata, SNr, dorsal/medial raphe, LC, inferior temporal area, temporal pole, inferior parietal, hippocampus entorhinal cortex, amygdala, superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula superior temporal area and middle temporal area, severe in the hypothalamus, moderate in the caudate accumbens putamen, dorsal medullar nucleus and thalamus, mild in the GP, cerebellar dentate, spinal cord, calcarine and mammillary body. TDP-43: Mild levels Amyloid: Very severe diffuse plaques, very severe neuritic plaques, moderate cerebral angiopathy.
143	McKee et al (2012) Case 88	Pathology: Brain weight: 1270g. Cavum SP (1.0mm) with severe fenestration, mild enlargement of the second ventricle, moderate enlargement of the third ventricle with moderate concave, mild frontal, temporal, parietal and occipital atrophy, moderate thalamus and hypothalamus atrophy, mild hippocampal, entorhinal cortex, amygdala and CC atrophy, severe pallor of the LC. Tau: Very severe in the substantia innominata, dorsal/medial raphe, LC, inferior temporal area, temporal pole, inferior parietal area, entorhinal cortex, amygdala, hypothalamus, superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula superior temporal area and middle temporal area, severe in the SNr, hippocampus and thalamus, moderate in the caudate accumbens putamen and the mammillary body mild in the GP, dorsal medullar nucleus and cerebellar dentate. TDP-43: Mild levels Amyloid: Very severe diffuse plaques, severe neuritic plaques, moderate cerebral angiopathy.
144	McKee et al (2012) Case 89	Pathology: Brain weight: 1200g. Moderate enlargement of the second and third ventricle with mild concave of the third ventricle, moderate frontal and occipital atrophy, mild temporal and parietal atrophy, mild hippocampal, entorhinal cortex, amygdala and thalamus atrophy, mild pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the substantia innominata, dorsal/medial raphe, LC, inferior temporal area, temporal pole, inferior parietal, calcarine, hippocampus, entorhinal cortex, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula superior temporal area and middle temporal area, severe in the amygdala, moderate in the caudate accumbens putamen, mild in the GP and SNr. TDP-43: Mild levels Amyloid: Very severe diffuse plaques, very severe neuritic plaques, severe cerebral angiopathy.
145	McKee et al (2012) Case 90	Pathology: Brain weight: 1375g. Mild enlargement of the second and third ventricle, mild frontal, temporal, parietal and occipital atrophy, mild hippocampal, entorhinal cortex and amygdala atrophy. Tau: Very severe in the caudate accumbens putamen, GP, substantia innominata, SNr, dorsal/medial raphe, LC, inferior temporal area, temporal pole, inferior parietal, calcarine,

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
		hippocampus, entorhinal cortex, amygdala, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula superior temporal area and middle temporal area, moderate in the dorsal medullar nucleus and spinal cord, mild in the cerebellar dentate. TDP-43: Severe levels Amyloid: Severe diffuse plaques, moderate neuritic plaques, moderate cerebral angiopathy.
146	McKee et al (2012) Case 91	Pathology: Brain weight: 1240g. Mild fibrotic meninges, severe enlargement of the second and third ventricle with severe concave of the third ventricle, moderate frontal, temporal, parietal and occipital atrophy, severe hippocampal, entorhinal cortex, amygdala and CC atrophy, moderate thalamus, hypothalamus and mammillary body atrophy, severe pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the substantia innominata, SNr, dorsal/medial raphe, LC, inferior temporal area, temporal pole, inferior parietal, entorhinal cortex, amygdala, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula, superior temporal area and middle temporal area, severe in the hippocampus, moderate in the dorsal medullar nucleus, mild in the caudate accumbens putamen, GP and cerebellar dentate. TDP-43: Mild levels Amyloid: Severe diffuse plaques, moderate neuritic plaques, moderate cerebral angiopathy.
147	McKee et al (2012) Case 92	Pathology: Brain weight: 1260g. No other pathology reported. Tau: Very severe in the LC, inferior temporal area, temporal pole, hippocampus, entorhinal cortex, amygdala, lateral frontal area, cingulate and middle temporal area, severe in the substantia innominata, SNr, dorsal/medial raphe, calcarine, inferior frontal area, septal area, insula and superior temporal area moderate in the caudate accumbens putamen, hypothalamus, thalamus, superior frontal area, dorsolateral frontal area and Rolandic area, mild in the inferior parietal area and mammillary body. TDP-43: Moderate levels Amyloid: Severe diffuse plaques, moderate neuritic plaques.
148	McKee et al (2012) Case 93	Pathology: Brain weight: 1260g. Moderate enlargement of the second ventricles, severe enlargement of the third ventricle with severe concave, moderate frontal and temporal atrophy, mild parietal and occipital atrophy, severe hippocampal and mammillary body atrophy, moderate entorhinal cortex, amygdala, thalamus and hypothalamus atrophy, mild CC atrophy, severe pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the inferior temporal area, temporal pole, inferior parietal area, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula superior temporal area and middle temporal area, severe in the substantia innominata, SNr, hippocampus and hypothalamus moderate in the caudate accumbens putamen, GP, dorsal/medial raphe, LC, dorsal medullar nucleus, calcarine, entorhinal cortex, amygdala and thalamus. TDP-43: Mild levels Amyloid: Severe diffuse plaques, severe neuritic plaques, moderate cerebral angiopathy.
149	McKee et al (2012) Case 94	Pathology: Brain weight: 1260g. Moderate enlargement of the second and third ventricles with severe concave of the third ventricle, moderate frontal and temporal atrophy, mild parietal and occipital atrophy, severe hypothalamus and mammillary body atrophy, moderate hippocampal, entorhinal cortex, amygdala, thalamus, and CC atrophy, very severe pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the substantia innominata, SNr, LC, inferior temporal area, temporal pole, inferior parietal area, entorhinal cortex, amygdala, hypothalamus thalamus superior frontal area, dorsolateral frontal area, lateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula superior temporal area and middle temporal area, severe in the calcarine and hippocampus, moderate in the caudate accumbens putamen, GP, dorsal/medial raphe, dorsal medullar nucleus, cerebellar dentate, spinal cord and mammillary body. TDP-43: Very severe level of TDP-43 Amyloid: Mild diffuse plaques, mild neuritic plaques.
150	McKee et al (2012) Case 95	Pathology: Brain weight: 1390g. Mild enlargement of the second and third ventricles, mild frontal and temporal atrophy, moderate mammillary body atrophy, mild hippocampal, entorhinal cortex, amygdala, thalamus and hypothalamus atrophy, moderate pallor of the SNr and LC. Tau: Very severe in the dorsal medullar nucleus, inferior temporal area, temporal pole, hippocampus, superior frontal area, dorsolateral frontal area, lateral frontal area, severe in the LC, entorhinal cortex and amygdala, moderate in the caudate accumbens putamen, substantia innominata, dorsal/medial raphe, hypothalamus, mammillary body and insula, mild in the GP, SNr, spinal cord, inferior parietal area, thalamus, cingulate, inferior frontal area, septal area, insula and superior and middle temporal area. TDP-43: Mild level of TDP-43 Amyloid: Mild diffuse plaques, mild neuritic plaques, mild cerebral angiopathy
151	McKee et al (2012) Case 96	Pathology: Brain weight: 1550g. Moderate enlargement of the second and third ventricles with moderate concave of the third ventricle, moderate hippocampal, entorhinal cortex, amygdala, thalamus, hypothalamus, mammillary body and CC atrophy, mild caudate/putamen and GP atrophy, mild pallor of the SNr and moderate pallor of the LC. Tau: Very severe in the SNr, LC, superior temporal area, temporal pole, inferior parietal area, entorhinal cortex, amygdala, hypothalamus, superior frontal area, dorsolateral frontal area, lateral frontal area, inferior frontal area and superior temporal area, severe in the cingulate, septal area and insula, moderate in the substantia innominata, dorsal medullar nucleus, spinal cord, thalamus, mammillary body and middle temporal area, mild in the dorsal/medial raphe, hippocampus and Rolandic area. TDP-43: Mild levels Amyloid: Severe diffuse plaques, mild neuritic plaques, mild cerebral angiopathy

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
152	McKee et al (2012) Case 98	Pathology: Brain weight: 1300g. Moderate enlargement of the second ventricle, severe enlargement of the third ventricle with severe concave, moderate frontal and temporal atrophy, mild parietal and occipital atrophy, severe hippocampal, entorhinal cortex and amygdala atrophy, moderate thalamus, hypothalamus and CC atrophy, mild mammillary body atrophy, moderate pallor of the SNr and severe pallor of the LC. Tau: Very severe in the superior temporal area, temporal pole, entorhinal cortex, amygdala, hypothalamus, lateral frontal area, septal area, insula and superior and middle temporal area, severe in the substantia innominata, SNr, LC, spinal cord, inferior parietal area, thalamus, superior frontal area, dorsolateral frontal area and cingulate, moderate in the nucleus accumbens, dorsal/medial raphe, dorsal cerebellar nucleus, mammillary body, Rolandic area and inferior frontal area, mild in the GP, cerebellar dentate and hippocampus. TDP-43: Mild levels Amyloid: Mild diffuse plaques, mild cerebral angiopathy
153	McKee et al (2012) Case 99	Pathology: Brain weight: 1410g. Mild enlargement of the second and third ventricle with mild concave of the third ventricle, mild frontal, temporal, parietal and occipital atrophy. Tau: Very severe in the inferior temporal area, temporal pole, hippocampus and lateral frontal area, severe in the amygdala and middle temporal area, moderate in the substantia innominata, SNr, dorsal/medial raphe, LC, hypothalamus and mammillary body, mild in the nucleus accumbens, GP dorsal medullar nucleus, spinal cord, entorhinal cortex, thalamus, superior frontal area, dorsolateral frontal area, cingulate, inferior frontal area, septal area, insula and superior temporal area. TDP-43: Mild levels Amyloid: Severe diffuse plaques, mild neuritic plaques.
154	McKee et al (2012) Case 100	Pathology: Brain weight: 1240g. Cavum SP (0.3mm), moderate enlargement of the second ventricles, severe enlargement of the third ventricles with severe concave, moderate frontal and temporal atrophy, mild parietal and occipital atrophy, severe mammillary body atrophy, moderate hippocampal, thalamus, hypothalamus and CC atrophy, mild entorhinal cortex and amygdala atrophy, moderate pallor of the SNr and severe pallor of the LC. Tau: Very severe in the dorsal/medial raphe, LC, dorsal medullar nucleus, inferior temporal area, temporal pole, hippocampus, amygdala, lateral frontal area, septal area, insula and middle temporal area, severe in the substantia innominata, SNr, entorhinal cortex, hypothalamus, thalamus, superior frontal area and dorsolateral frontal area, moderate in the caudate accumbens putamen, GP, mammillary body, inferior frontal area and superior parietal area, mild in the spinal cord, inferior parietal area, Rolandic area and cingulate. TDP-43: Very severe levels Amyloid: Mild diffuse plaques, mild neuritic plaques.
155	McKee et al (2012) Case 101	Pathology: Brain weight: 1450g. Cavum SP (0.3mm), moderate enlargement of the second ventricles, mild enlargement of the third ventricles with mild concave, mild frontal, temporal, parietal and occipital atrophy, mild thalamus and hypothalamus atrophy, very severe pallor of the SNr and Moderate pallor of the LC. Tau: Severe in the SNr, dorsal medullar nucleus, thalamus and Rolandic area, moderate in the substantia innominata, dorsal/medial raphe, LC, cerebellar dentate, temporal pole, amygdala, hypothalamus, mammillary body, and superior and middle temporal area, mild in the spinal cord, inferior temporal area, inferior parietal area, hippocampus, entorhinal cortex superior frontal area, dorsolateral frontal area, lateral frontal area, cingulate, inferior frontal area, septal area and insula. TDP-43: Mild levels Amyloid: NR
156	McKee et al (2012) Case 102	Pathology: Brain weight: 820g. Very severe enlargement of the second and third ventricles, very severe frontal and temporal atrophy, severe parietal and occipital atrophy, very severe hippocampal, entorhinal cortex and amygdala atrophy, severe thalamus, hypothalamus, mammillary body, and CC atrophy, moderate caudate/putamen and GP atrophy, severe pallor of the SNr and LC. Tau: Severe in the cerebellar dentate, moderate in the dorsal/medial raphe, spinal cord, and lateral frontal area, mild in the substantia innominata, SNr, LC, inferior temporal area, temporal pole, inferior parietal area, entorhinal cortex, amygdala, superior frontal area, dorsolateral frontal area, Rolandic area, cingulate, inferior frontal area, septal area, insula and superior and middle temporal area. TDP-43: Mild levels Amyloid: Mild cerebral angiopathy
157	McKee et al (2012) Case 103	Pathology: Brain weight: 1140g. Cavum SP (1.2mm), moderate enlargement of the second ventricles, severe enlargement of the third ventricle with severe concave, very severe temporal atrophy, severe frontal atrophy, moderate parietal and occipital atrophy, very severe hippocampal, entorhinal cortex and amygdala atrophy, severe mammillary body, caudate/putamen and GP atrophy, moderate thalamus atrophy, moderate pallor of the SNr and severe pallor of the LC. Tau: Very severe in the SNr, dorsal/medial raphe, LC, inferior temporal area, temporal pole, entorhinal cortex, amygdala, hypothalamus, thalamus, mammillary body, superior frontal area, dorsolateral frontal area, lateral frontal area, cingulate and superior and middle temporal area, severe in the substantia innominata, septal area and insula, moderate in the GP, inferior parietal, hippocampus, Rolandic area and inferior frontal area, mild in the caudate accumbens putamen, dorsal medullar nucleus, cerebellar dentate and spinal cord. TDP-43: Very severe levels Amyloid: Severe diffuse plaques, mild neuritic plaques, moderate cerebral angiopathy

Case	Source [Reference]	Reported Pathology; Tau; TDP-43; & Amyloid
158	National Institutes of Health, National Institute of Neurological Disorders and Stroke (NINDS), Junior Seau	Pathology: Adult six layer cytoarchitectonics in the neocortex, occasional NFTs were identified in the CA4 of the hippocampus, pyriform, and insular cortex, nucleus accumbens, basal forebrain, hippocampus, midbrain, and pons, a region in left frontal lobe with focal rarefaction (pallor) of white matter with a few foci of hemosiderin around blood vessels with a mild accompanying gliosis, sections of the cerebellum and medulla were unremarkable, mild generalised pallor of the subcortical white matter, pigmented neurons of the SNr and LC without depopulation, but several globoid NFTs in intact neurons, no neuritic (senile) plaques were observed in the neocortex, no appreciable neuronal loss, no Lewy bodies ; Tau: NR; TDP-43: NR; Amyloid: No amyloid deposits.

Note: N/A: Not applicable; g: grams; N/A: not available; CC: corpus callosum; SNr: substantia nigra; GP: globus pallidus; SP: septum pellucidum; NFTs: neurofibrillary tangles; NTs: neuritic threads; LC: locus coeruleus; CN: cranial nerve; WM: white matter.