Supplementary Table 1. Characteristics of end-stage kidney disease patients with acute movement disorders

Study/country	Main clinical characteristics	PET/SPECT	CT	MRI	Clinical course	Radiological course
Bhagwan et al.[1] (2018)/ South Africa	Age: case 1–7, 44–68 years Ethnicity: Indian Premorbid/comorbid: DM (n = 6), hypertension (n = 1) Duration of (ES)RD: case 1–7, 8–75 days Duration of dialysis prior to AMD: 1–2 years Type of AMD: Parkinsonism (n = 5), chorea (n = 1), dystonia (n = 1)	N/A	Bilateral basal ganglia hypodensities (n = 2)	Hypointensity in bilateral basal ganglia in T1; hyperintensity in same regions in T2-weighted MRI (n = 6) Vasogenic and cytotoxic oedema on DWI and ADC	Levodopa for parkinsonism, haloperidol for chorea, and combination of risperidone and clonazepam for dystonia Two patients showed complete recovery Five patients showed partial recovery One patient had no improvement	Complete resolution (n = 2)
Chen et al.[2] (2015)/Taiwan	Age: 56 years Ethnicity: not specified Premorbid/comorbid: DM Duration of (ES)RD: 10 years Duration of dialysis prior to AMD: 1 years Type of AMD: dyskinesia	N/A	Bilateral basal ganglia hypodensities	Hypointensity in bilateral caudate and lenticular nuclei in T1; hyperintensity in same regions and external capsules, thalami, and periventricular WM in T2-weighted MRI	Regular hemodialysis and haloperidol resulted in complete resolution	N/A
Choi et al.[3] (2015)/Korea	Age: 60 years Ethnicity: Korean Premorbid/comorbid: DM Duration of (ES)RD: 6 years Duration of dialysis prior to AMD: 6 years Type of AMD: Parkinsonism	SPECT: hypoperfusion in bilateral basal ganglia	N/A	Hyperintensity in bilateral lenticular nuclei (basal ganglia) in T2-weighted MR and ADC	Partial improvement with dialysis (stabilization of urea nitrogen [BUN] and creatinine levels)	N/R
Cupidi et al.[4] (2006)/Italy	Age: 68 years Ethnicity: Caucasian Premorbid/comorbid: DM, hypertension, coronary heart disease Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/A Type of AMD: Parkinsonism	N/A	Bilateral basal ganglia hypodensity	Hypointensity in bilateral caudate and lenticular nuclei in T1; hyperintensity in same regions and external capsules, thalami, and periventricular WM in T2-weighted MRI	Complete recovery with insulin therapy (decreased blood creatinine level and blood glucose was well controlled)	N/R
Dicuonzo et al.[5] (2010)/Italy	Age: 51 years Ethnicity: Caucasian Premorbid/comorbid: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/R Type of AMD: chorea	N/A	Bilateral lenticular nuclei hypodensity	Hypointensity in bilateral basal ganglia (sparing caudate) in T1; hyperintensity in same regions in T2-weighted MR and FLAIR; hyperintensity with high ADC on same regions in DWI; decreased N-acetyl-aspartate and presence of lactate in left basal ganglia lesion on Proton MRS	Partial improvement with olanzapine with relapse-remitting course	N/R
Fabiani et al.[6] (2013)/Brazil	Age: 60 years Ethnicity: not specified Premorbid/comorbid: N/R Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/R Type of AMD: Parkinsonism	N/A	N/A	Hyperintensity in bilateral basal ganglia (caudate, putamen, thalamus)/LFS in FLAIR	Complete recovery with dialysis and levodopa/benserazide	Complete resolution
Fernandes et al.[7] (2015)/Brazil	Age: 63 years Ethnicity: not specified Premorbid/comorbid: N/R Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/R Type of AMD: Parkinsonism	N/A	Bilateral basal ganglia hypodensities	Vasogenic edema with T2/fluid-attenuated inversion recovery hyperintensity in the basal ganglia compatible with the LFS	N/R	N/A
Hamed et al.[8] (2020)/Egypt	Age: Case 1: 58 years Case 2: 62 years Case 3: 52 years Case 4: 60 years Case 5: 58 years Case 6: 60 years Ethnicity: not specified Premorbid/comorbid: Case 1: DM Case 2: DM Case 3: hypertension and congenital renal agenesis Case 4: DM Case 5: DM, hypertension Case 5: hypertension Duration of (ES)RD: Case 1: 3 years Case 2: 5 years Case 3: 2 years Case 4: 8 years Case 5: 3 years Case 6: 6 years Duration of dialysis prior to AMD: Case 1: 1 years Case 2: N/A Case 3: N/A Case 4: 2 years Case 5: N/A Case 6: 3 Type of AMD: Case 1: Parkinsonism Case 2: chorea Case 3: Parkinsonism Case 4: Parkinsonism Case 5: Parkinsonism Case 6: dystonia	N/A	Case 3: unremarkable Case 4: normal Case 6: hypodensity in the right putamen	Case 1: hypointensity in the right lentiform nucleus, left putamen, and the right occipital lobe in T1; hyperintensity in the same regions in T2 and DWI Case 2: hypointensity in the putamen and globus pallidus externa in T1; hyperintensity in the same regions in T2 and DWI Case 3: hypointensity in the bilateral basal ganglia and thalami in T1; hyperintensity in the same regions in T2 and DWI Case 4: hypointensity in the right putamen and globus pallidus externa in T1; hyperintensity in the same regions in T2 and DWI Case 5: hypointensity in the right lentiform nucleus in T1; hyperintensity in the same regions in T2 and DWI Case 6: hypointensity in the right putamen in T1; hyperintensity in the same regions in T2 and DWI	Case 1: no recovery Case 2: no recovery Case 3: no recovery Case 4: partial improvement Case 5: no recovery Case 6: no recovery	Case 1: complete resolution Case 2: complete resolution Case 3: complete resolution Case 4: N/A Case 5: near complete resolution Case 6: N/A
Ishii et al.[9] (2016)/Japan	Age: 47 years Ethnicity: Japanese Premorbid/comorbid: DM Duration of (ES)RD: 4 years Duration of dialysis prior to AMD: 4 years Type of AMD: Parkinsonism	PET: hypoperfusion in bilateral striatum	N/A	Hypointensity/edematous in bilateral striatum (especially putamen) Hyperintensity in same regions in T2-weighted MRI; cystic lesion in bilateral putamen (vacuolated changes following focal necrosis	No clinical improvement with levodopa/ benserazide	N/R
Kim et al.[10] (2006)/Korea	Age: 55 years Ethnicity: Asian Premorbid/comorbid: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD : 4 years Type of AMD: Parkinsonism	N/A	N/A	Hypointensity/edema in bilateral basal ganglia Hyperintensity in same regions in T2-weighted MRI; cystic lesion in bilateral putamen (vacuolated changes following focal necrosis	Partial recovery	Partial resolution
Kim et al.[11] (2015)/Korea	Age: Case 1: 45 years Case 2: 56 years Case 3: 56 years Case 4: 35 years Case 5: 48 years Ethnicity: Korean Premorbid/comorbid: Case 1–5: DM Duration of (ES)RD: 9.5–20 years Duration of dialysis prior to AMD (years): N/R Type of AMD: chorea	N/A	Case 1: hypointensity in bilateral putam en and globus pallidus Case 2: N/A Case 3: not contributable Case 4: N/A Case 5: N/A	Case 1: DWI hyperintensity in the bilateral putamen and globus pallidus Case 2: hypointensity in T1; hyperintensity in T2 in the same regions with swelling Case 3: not contributable Case 4: hyperintensity in the center and hypointensity in the periphery in T1, hyperintensity in the same regions in T2 with swelling Case 5: hypointensity in T1; hyperintensity in T2 in the same regions	Case 1: partial recovery Case 2: complete recovery Case 3: partial recovery Case 4: partial recovery Case 5: complete recovery	Case 1: N/A Case 2: no resolution Case 3: N/A Case 4: N/A Case 5: no resolution
Kiryluk et al.[12] (2008)/ United States	Age: 71 years Ethnicity: Hispanic Premorbid/Comorbid: DM, hypertension, hypercholesterolemia, depression, hypercalcemia, submandibular and perihilar lymphadenopathy, sarcoidosis, hyperparathyroidism Duration of (ES)RD: 3 years Duration of dialysis prior to AMD: 3 years Type of AMD: chorea	N/A	N/A	Hyperintensity in bilateral putamen and global pallidus on T2-weighted MR and FLAIR	Complete recovery with conservative management and rehabilitation	Complete resolution
Kumar and Goyal[13] (2010)/ United States	Age: 48 years Ethnicity: not specified Premorbid/comorbid: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/R Type of AMD: N/R	N/A	Bilateral basal ganglia, thalamus, and midbrain hypodensity	Hyperintensity in bilateral basal ganglia (caudate, putamen, thalamus)/LFS, midbrain, and mesial temporal lobes on T2/FLAIR	N/R	Complete resolution
Kuppachi et al.[14] (2013)/ United States	Age: 58 years Ethnicity: Hispanic Premorbid/comorbid: DM, hypertension, peripheral vascular disease, hypothyroidism, sarcoidosis Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD: 4 years Type of AMD: chorea	N/A	Bilateral basal ganglia hypodensity	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2	Partial improvement with conservative management	N/A
Lee et al.[15] (2007)/Korea	Age: Case 1–4, 44–68 years Ethnicity: Korean Premorbid/comorbid: DM Duration of (ES)RD: 0.5–2 years Duration of dialysis prior to AMD (years): N/R Type of AMD: chorea, dysarthria	N/A	Bilateral basal ganglia hypodensity	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2 Increased ADC in DWI	Partial improvement with dialysis and supportive management	Partial resolution
Lee et al.[16] (2006)/Korea	Age: 48 years Ethnicity: Korean Premorbid/comorbid: DM Duration of (ES)RD: 15 years Duration of dialysis prior to AMD: 4 years Type of AMD: Parkinsonism	SPECT: hyperperfusion in bilateral basal ganglia	N/A	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2 Increased ADC in DWI	Partial improvement with dialysis	Complete resolution
Li et al.[17] (2008)/Australia	Age: 77 years Ethnicity: Caucasian Premorbid/comorbid: DM, hypertension Duration of (ES)RD: 6 years Duration of dialysis prior to AMD: 6 years Type of AMD: Parkinsonism	N/A	Bilateral basal ganglia (lentiform and caudate nuclei) hypodensity	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2 and FLAIR Hyperintensity in lentiform nuclei and caudate nuclei head in DWI	No clinical improvement with dialysis	No resolution
Lin[18] (2011)/ Taiwan	Age: Case 1: 57 years Case 2: 82 years Ethnicity: Chinese Premorbid/comorbid: Case 1: DM, hypertension Case 2: DM, hypertension, ischemic heart disease, lacunar infarct Duration of (ES)RD: Case 1: 5 years Case 2: 2 years Duration of dialysis prior to AMD : Case 1: 2 years Case 2: N/R Type of AMD: Case 1: chorea Case 2: chorea	N/A	N/A	Case 1: hypointensity in bilateral basal ganglia in T1; hyperintensity in same regions in T2, FLAIR, and DWI (low ADC) Case 2: hypointensity in bilateral basal ganglia in T1; hyperintensity in same regions in T2, FLAIR, and DWI (low ADC)	Case 1: complete recovery with dialysis and supportive management Case 2: complete recovery with haloperidol	Case 1: complete resolution Case 2: complete resolution
Lizarraga et al.[19] (2017)/ United States	Age: 47 years Ethnicity: Asian Premorbid/comorbid: DM Duration of (ES)RD: 2 years Duration of dialysis prior to AMD (years): N/R Type of AMD: chorea and parkinsonism	N/A	Striatal vasogenic edema surrounding areas of central cytotoxicity, blood extravasation and hyperdense lenticulostriatal arteries in the striatopallidal junctions	Striatal vasogenic edema surrounding areas of central cytotoxicity, blood extravasation and hyperdense lenticulostriatal arteries in the striatopallidal junctions	Near complete recovery	Partial resolution
Mahajan et al.[20] (2014)/India	Age : 52 years Ethnicity: Indian Premorbid/comorbid: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD: 4 years Type of AMD: chorea	N/A	N/A	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2, FLAIR, and ADC	Complete recovery	N/A
Mehta et al.[21] (2017)/India	Age: 57 years Ethnicity: not specified Premorbid/comorbid: DM Duration of (ES)RD: 4 years Duration of dialysis prior to AMD (years): N/A Type of AMD: Parkinsonism	N/A	N/A	Diffuse oedematous symmetrical T2 and fluid-attenuated inversion recovery hyperintensities in bilateral caudate and lentiform nuclei with mild diffusion restriction	Complete resolution with daily haemodialysis	Near complete resolution
Nzwalo et al.[22] (2012)/Portugal	Age: 63 years Ethnicity: Caucasian Premorbid/comorbid: DM, hypertension, schizoaffective disorder, and polysubstance abuse in remission Duration of (ES)RD: 3 years Duration of dialysis prior to AMD (years): 3 years Type of AMD: Parkinsonism	N/A	N/A	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2 and FLAIR	Complete recovery	N/R
Ozben et al.[23] (2011)/Turkey	Age: 54 3 years Ethnicity: not specified Premorbid/comorbid: DM Duration of (ES)RD: 5 years Duration of dialysis prior to AMD: 3 years Type of AMD: Ballism	N/A	N/A	Hypointensity in bilateral l entiform nucleus in T1 Hyperintensity in same regions in T2 and FLAIR	Complete recovery	N/A
Park et al.[24] (2007)/Korea	Age: 68 years Ethnicity: not specified Premorbid/comorbid: DM, hypertension Duration of (ES)RD: 4 years Duration of dialysis prior to AMD: 1 years Type of AMD: chorea	N/A	N/A	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2, FLAIR, and ADC	Near complete recovery	Partial resolution
Park et al.[25] (2015)/Korea	Age: 52 years Ethnicity: not specified Premorbid/comorbid: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/R Type of AMD: Parkinsonism	PET: no abnormality	N/A	Hyperintensity in the bilateral basal ganglia in T2 FLAIR, DWI and ADC (LFS)	Near complete recovery without anti-Parkinson medication	Complete resolution
Rao et al.[26] (2019)/India	Age: 78 years Ethnicity: Indian Premorbid/comorbid: DM, hypertension Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/A Type of AMD: chorea	N/A	N/A	Age-related atrophy	Complete recovery with intravenous fluids and broad-spectrum intravenous antibiotics at doses that were modified according to renal function	N/R
Rathi and Mudrabettu[27] (2012)/India	Age: 35 years Ethnicity: Indian Premorbid/comorbid: N/R Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/R Type of AMD: N/R	N/A	Hypodensity in bilateral basal ganglia with surrounding oedema	Hyperintensity in bilateral basal ganglia in T2/FLAIR with LFS	No recovery with intubation, hyperventilation, and by injecting dexamethasone to reduce the intracranial pressure with intensive dialysis support	No resolution
Rozenberg and Telman[28] (2012)/ Israel	Age: 64 years Ethnicity: not specified Premorbid/comorbid: DM, hypertension, dyslipidaemia Duration of (ES)RD: N/R Duration of dialysis prior to AMD: N/R Type of AMD: chorea	N/A	Hypodensities in the bilateral basal ganglia	N/A	Complete recovery with tetrabenazine	Complete resolution
Shin et al.[29] (2008)/Korea	Age: 44 years Ethnicity: not specified Premorbid/comorbid: DM, depression Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/A Type of AMD: chorea & restless leg syndrome	N/A	N/A	Hyperintensity in bilateral basal ganglia and right thalamus in T2/FLAIR	Partial recovery	Partial resolution
Sperling and Bhowansingh[30] (2018)/ United States	Age: 62 years Ethnicity: Caucasian Premorbid/comorbid: DM, hypertension, hypercholesterolemia Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/A Type of AMD: chorea	N/A	Hyperdensity in the right lenticular nucleus and right caudate head	Hyperintensity in the caudate nucleus portion of the right basal ganglia in T1 and T2 Postcontrast MRI of the brain showed no abnormal enhancement excluding the possibility of a mass lesion No abnormal restricted diffusion in the right basal ganglia in DWI which excluded ischemia	Complete recovery with home insulin regimen with the addition of inpatient corrective coverage. This included Lantus 20 units every morning and 10 units of NovoLog 3 times a day with meals	N/R
Tajima et al.[31] (2012)/Japan	Age: 64 years Ethnicity: Caucasian Premorbid/comorbid: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD: 0.25 years Type of AMD: Parkinsonism	N/A	N/A	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2 and ADC in DWI Low N-acetyl aspartate in same areas in Proton MRS	Partial improvement with dialysis and supportive management	Partial resolution
Wali et al.[32] (2011)/India	Age: 67 years Ethnicity: Indian Premorbid/comorbid: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD: 4 years Type of AMD: dyskinesia and chorea	N/A	N/A	Hypointensity in bilateral basal ganglia in T1 Hyperintensity in same regions in T2 and FLAIR Hyperintensity in ADC in DWI	Complete recovery with increasing frequency of dialysis	Near complete resolution
Wang et al.[33] (1998)/Taiwan	Age: Case 1: 50 years Case 2: 49 years Case 3: 49 years Ethnicity: Chinese Premorbid/comorbid: Case 1: DM, hypertension Case 2: DM Case 3: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD: Case 1: N/R Case 2: 0.67 years Case 3: N/R Type of AMD: Parkinsonism	N/A	Case 1: bilateral lenticular nuclei hypodensity Case 2: no a bnormality Case 3: basal ganglia and part of bilateral thalami hypodensity	Case 1: hypointensity in bilateral lenticular nuclei in T1; hyperintensity in same regions in T2 Case 2: hypointensity in bilateral lenticular nuclei in T1; hyperintensity in same regions in T2 Case 3: hypointensity in bilateral basal ganglia and part of bilateral thalami in T1; hyperintensity in same regions in T2	Case 1: partial improvement with oral biperiden and diazepam Case 2: partial improvement without specific treatment Case 3: partial improvement with dialysis	Case 1: NR Case 2: NR Case 3: partial resolution
Wang and Cheng[34] (2003)/Taiwan	Age: Case 1: 61 years Case 2: 45 years Case 3: 60 years Case 4: 58 years Case 5: 63 years Case 6: 52 years Case 7: 59 years Case 8: 67 years Case 9: 67 years Case 10: 50 years Case 11: 49 years Case 12: 49 years Ethnicity: Chinese Premorbid/comorbid: Case 1: DM, hypertension, coronary disease Case 2: DM, hypertension, anemia Case 3: DM, hypertension Case 4: DM, hypertension Case 5: DM, hypertension, stroke Case 6: DM, hypertension, seizures Case 7: DM Case 8: DM, hypertension Case 9: DM, hypertension Case 10: DM, hypertension, coronary disease Case 11: DM, coronary disease Case 12: DM Duration of (ES)RD: Case 1: 2.83 years Case 2: 4 years Case 3: 3 years Case 4: 3 years Case 5: 2 years Case 6: 2 years Case 7: 1 years Case 8: 5 years Case 9: 1 years Case 10: 1.58 years Case 11: 0.67 years Case 12: 0.25 years Duration of dialysis prior to AMD: Case 1: 2.33 years Case 2: 3 years Case 3: 3 years Case 4: 3 years Case 5: 2 years Case 6: 2 years Case 7: 1 years Case 8: 1 years Case 9: 1 years Case 10: 1.58 years Case 11: 0.67 years Case 12: None Type of AMD: Case 1: Parkinsonism Case 2: Parkinsonism, dysarthria, dysphagia Case 3: Parkinsonism, dysarthria, dysphagia Case 4: orolingual and facial dyskinesias, parkinsonian gaits, dysarthria, dysphagia Case 5: Parkinsonism, dysarthria, dysphagia Case 6: Parkinsonian gait Case 7: Parkinsonian gait, dysarthria Case 8: Parkinsonism, dysarthria Case 9: Parkinsonism, dysarthria Case 10: Generalised dyskinesia, ataxia, dysarthria Case 11: Parkinsonian gait, dysarthria Case 12: Parkinsonism, dysarthria, dysphagia	N/A	Case 1: bilateral basal ganglia hypodensity Case 2: N/A Case 3: bilateral basal ganglia hypodensity Case 4–12: /R	Case 1: hypointensity in bilateral basal ganglia in T1; hyperintensity in same regions in T2 Case 2: hypointensity in bilateral basal ganglia in T1; hyperintensity in same regions in T2 Case 3: N/R Case 4: hypointensity in bilateral basal ganglia in T1; hyperintensity in same regions in T2 Case 5–6: N/A Case 7–12: N/R	Case 1: no clinical improvement with dialysis Case 2: partial improvement with dialysis and supportive management Case 3: no clinical improvement with dialysis and supportive management Case 4: partial improvement with clonazepam and biperiden Case 5: no clinical improvement Case 6: complete recovery Case 7: partial improvement Case 8: no clinical improvement Case 9: no clinical improvement Case 10: partial improvement Case 11: partial improvement Case 12: complete recovery	Case 1–2: N/R Case 3: partial resolution Case 4: partial resolution Case 5: no resolution Case 6: N/A Case 7: partial resolution Case 8: partial resolution Case 9: partial resolution Case 10: partial resolution Case 11: N/R Case 12: partial resolution
Wang et al.[35] (2004)/Taiwan	Age: Case 1: 67 years Case 2: 67 years Ethnicity: Chinese Premorbid/comorbid: Case 1, 2: DM Duration of (ES)RD: Case 1: N/R Case 2: 1 year Duration of dialysis prior to AMD: Case 1: 5 years Case 2: 1 year Type of AMD: Case 1: Parkinsonism, dysarthria Case 2: Parkinsonism	PET: Case 1: h ypoperfusion in bilateral putamen, right caudate, bilateral occipital cortex, right frontal cortex Case 2: hypoperfusion in putamen, left caudate, bilateral lateral frontal cortex	Case 1: bilateral lenticular nuclei hypodensity Case 2: bilateral basal ganglia hypodensity	Case 1: hypointensity in bilateral lenticular nuclei and caudate nuclei in T1; hyperintensity in same regions in T2 Case 2: hypointensity in bilateral basal ganglia in T1; hyperintensity in same regions in T2	Case 1: partial improvement with dialysis and supportive management Case 2: N/R	Case 1: complete resolution Case 2: partial resolution
Yaltho et al.[36] (2010)/ United States	Age: 43 years Ethnicity: Hispanic Premorbid/comorbid: DM Duration of (ES)RD (years): N/R Duration of dialysis prior to AMD (years): N/R Type of AMD: chorea	N/A	Bilateral lenticular nuclei hypodensity with mass effect on right caudate nucleus	Hyperintensity in bilateral basal ganglia in T2 scan	Near complete improvement with dialysis and haloperidol (discontinued and change to pimozide after 1 week due to significant improvement)	N/R
Yerdelen et al.[37] (2008)/Turkey	Age: 52 years Ethnicity: not specified Premorbid/comorbid: DM, hypertension Duration of (ES)RD: 5 years Duration of dialysis prior to AMD: 5 years Type of AMD: Parkinsonism	N/A	Bilateral basal ganglia hypodensities	Hyperintensity in bilateral caudate and lentiform nucleus, frontal, and temporal regions in T2 and DWI and ADC	No improvement with supportive management and hemodialysis.	N/A
Yoon et al.[38] (2016)/Korea	Age: Case 1: 43 years Case 2: 60 years Ethnicity: Korean Premorbid/comorbid: Case 1: DM Case 2: DM, hypertension Duration of (ES)RD: Case 1: 15 years Case 2: 6 years Duration of dialysis prior to AMD: Case 1: 2 years Case 2: 6 years Type of AMD: case 1, 2, Parkinsonism	Case 1: N/A Case 2: normal on PET	Case 1: N/A Case 2: no abnormality	Case 1: hypointensity in bilateral basal ganglia in T1; hyperintensity in same regions in T2 and FLAIR Case 2: hyperintensity in bilateral basal ganglia in T2 and FLAIR; hyperintensity in left globus pallidus interna, anterior portion of the posterior limb of the internal capsule in DWI (low ADC)	Case 1: complete recovery with dialysis Case 2: near complete recovery	Case 1: no resolution Case 2: N/R

PET, positron emission tomography; SPECT, single photon emission computed tomography; DM, diabetes mellitus; ESRD, end-stage renal disease; AMD, acute movement disorder; DWI, diffusion weight imaging; ADC, apparent diffusion coefficient; N/A, not applicable; N/R, not reported; WM, white matter; FLAIR, fluid-attenuated inversion recovery; LFS, lentiform fork sign; MRS, magnetic resonance sepectroscopy.

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