

On-line Table: Summary of clinical data and imaging findings

Case No.	Age (yr)/ Sex	EV Testing	Neurologic Deficits	Time from CNS Symptom Onset to MRI (days)	MRI Findings	Brain Stem	Spinal Cord	Diffuse GM vs Anterior Horn	Ventral Nerve Root Enhancement
1	7/M	+ RV/EV	Diplopia, upper and lower extremity weakness	Brain, 2; spine, 3, 38	Focal midbrain and dorsal pons lesions; myelitis of the entire spinal cord; diffuse GM involvement; with cord swelling; new enhancement of cervical, lower thoracic, and lumbar ventral nerve roots on follow-up imaging	Midbrain, pons	C, T, L	Day 3, GM; day 38, AH	Day 38, yes
2	3/M	+ EV-D68	Left CN VII palsy, right upper extremity weakness	Brain, 1; spine, 2	Dorsal pons, right lateral medulla lesions; myelitis of the cervical and upper thoracic cord; diffuse GM involvement	Pons, medulla	C, T	GM	
3	14/M		Bilateral CN VI palsy	Brain, 2; spine, NA	Dorsal pons, midbrain, and medulla lesions. Myelitis of upper cervical cord with diffuse GM involvement ^a	Midbrain, pons, medulla	C ^a	GM	
4	13/M		Bilateral CN VI palsy; bilateral upper extremity weakness noted 6 weeks into illness	Brain, 5; spine, 6	Dorsal pons and medulla lesions; myelitis of the entire spinal cord with diffuse GM involvement	Pons, medulla	C, T, L	GM	
5	18/M	+ EV-D68	Bulbar weakness, left upper extremity weakness	Brain, 4; spine, 4	Dorsal pons, medulla, and dentate nuclei lesions; myelitis of the entire cervical and upper thoracic cord; anterior horn predominant	Pons, medulla	C, T	GM	
6	8/M	+ EV-D68	Bulbar weakness, bilateral upper and lower extremity weakness	Brain, 3; spine, 3	Dorsal pons, dentate nuclei lesions; myelitis of entire spinal cord with diffuse GM involvement	Pons	C, T, L	GM	
7	10/F	+ EV-D68	Bilateral CN VII palsy	Brain, 7; spine, 7	Left ventral pons lesion; bilateral CN VII enhancement	Pons			
8	6/F		Left upper extremity weakness	Brain, 24; spine, 24	Myelitis of the cervical and thoracic spinal cord, anterior horn predominant; ventral nerve root enhancement in cervical cord and cauda equina		C, T	AH	Yes
9	1/M	+ RV/EV	Bulbar weakness, upper and lower extremity weakness	Brain, 1; spine, 1	Dorsal pons, dentate nuclei lesions; myelitis of cervical spinal cord with diffuse GM involvement and cord swelling	Pons	C	GM	
10	15/F	+ RV/EV	Mild bulbar weakness, upper and lower extremity weakness	Brain, 11; spine, 12	Dorsal pons, medulla lesions; myelitis of entire spinal cord, anterior horn predominant; ventral nerve root enhancement in cauda equina	Pons, medulla	C, T, L	AH	Yes
11	15/M	+ RV/EV	Left upper extremity weakness	Brain, NA; spine, 31	Myelitis of the cervical spinal cord, anterior horn predominant; ventral nerve root enhancement		C ^b	AH	Yes

Note:—EV indicates enterovirus; + RV/EV, polymerase chain reaction screen positive for rhinovirus/enterovirus; + EV-D68, positive enterovirus D68 polymerase chain reaction typing; C, cervical; T, thoracic; L, lumbar; GM, diffuse gray matter involvement; AH, focal anterior horn cell involvement; NA, not applicable; CN, cranial nerve.

^a No dedicated spine MR imaging performed; upper cervical findings are from brain MRI.

^b No brain, thoracic, or lumbar MR imaging performed.