

DATA EXTRACTION

Study description

Study ID

Title

Title of paper / abstract / report that data are extracted from

First Author

Journal

Year

Study design

- Case report
- Case series
- Cohort study
- Non-randomized controlled trial
- Randomized controlled trial
- Other

[Clear above selection](#)

Data collection

- Cross Sectional
- Longitudinal
- Retrospective
- Prospective

[Clear above selection](#)

Workgroup-specific quality assessment

Clinical description sufficient

- no (consider exclusion)
- yes
- not relevant

[Clear above selection](#)

Are methodological details about MRI methods sufficient?

- no (consider exclusion)
- yes
- not relevant

[Clear above selection](#)

Is JCV-related disease sufficiently likely based on the reported data?

- no (consider exclusion)
- yes

[Clear above selection](#)

Recommend to exclude from data extraction

- yes
- no

[Clear above selection](#)

If excluded, provide reason:

- duplicate study
- not meeting eligibility criteria
- quality concern (see above)
- other reason

[Clear above selection](#)

If 'other reason' selected, please provide details:

Patient population and PML diagnosis

Age (mean/median and range)



Race and Ethnicity of patients

Check all that apply



	Number of patients
Asian	
Black or African American	
White	
Hispanic or Latino	
Other	
Multiple	
Not reported	

Disease population



	Number of patients
HIV	
Hemato-onco	
Autoimmune disease	
MS-natalizumab	
Solid organ transplant	
Primary immunodeficiency	
Sarcoidosis	
HSCT	
MS-not natalizumab	
Idiopathic PML	
Other	
Total patient number	

2013 PML diagnostic criteria

	Number of patients meeting criteria	Number of patients not meeting criteria
2013 diagnostic criteria applied by authors		
2013 diagnostic criteria applied by us		

If 2013 diagnostic criteria applied, PML diagnostic certainty

	Number of patients definite PML	Number of patients probable PML	Number of patients possible PML	Number of patients no PML
2013 PML diagnostic criteria applied by authors				
2013 PML diagnostic criteria applied by us				

Biopsy performed

	biopsy performed	biopsy not performed
n patients		

PML diagnosis based on JCV DNA PCR in CSF

	yes	no
n patients		

JC virus specific antibodies in the CSF

	yes	no	not tested
n patients			

JCV DNA in CSF (qualitative)

	detected	not detected	not tested
n patients			

JCV DNA in CSF (quantitative in positives)

	low (<200 c/ml)	high (>=200 c/ml)
n patients		

JCV DNA in CSF (n attempts to first positive CSF)

	first attempt	second attempt	more than two attempt
n patients			

If JCV DNA in CSF not detected, were details of PCR methodology provided (including LLoD)

- yes
 no

[Clear above selection](#)

Number of patients with JCV-associated disease

	Number of patients
Patients with JCV-related disease	
female patients with JCV-related disease	

Age/median age of patients

Inclusion criteria

Exclusion criteria

PML diagnosis

PML diagnostic criteria

	Number of patients
Definite PML	
Probate PML	
Possible PML	
No PML	

Clinical characteristics

Clinical symptoms

	Number of patients
Symptomatic	
Asymptomatic	

Type of PML as described by the authors

- Classic PML
- Inflammatory PML / PML-IRIS
- Granular cell neuronopathy
- JC encephalopathy
- Other

Clear above selection

Imaging modality

Imaging methods used

- MRI
- CT
- PET
- Other

Clear above selection

Imaging findings

Lesion location

	# with	# without	# unknown
frontal			
parieto-occipital			
temporal			
basal ganglia			
thalamus			
brainstem			
cerebellum			
spinal cord			

Lesion location brain tissue



	# with	# without	# unknown
cortical gray matter			
juxtacortical white matter			
deep white matter			
periventricular white matter			
deep gray matter			

Lesion morphology



	# with	# without	# unknown
T2/FLAIR hyperintense			
T1 hypointense			
T1 white matter isointense			
T2* hypointense leukocortical band			
DWI hyperintensity at white matter border			
contrast enhancement			
perilesional edema			
swelling/mass effect			
punctate pattern			
focal atrophy			
infratentorial atrophy without any other focal lesions			

comments on lesion morphology in general



Lesion evolution suggestive of PML

Type of lesion evolution



- lesion expansion
- lesion dissemination
- development of PML-IRIS

Clear above selection

General comments

