





CASE REPORT FORM

for the Ean NEuro-covid ReGistrY

CRF version 2.0 beta



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HOW TO READ

O Radio button	This is a radio button. Only single selection is possible within one group. A radio button group has one column in exports.
Checkbox	This is a checkbox. Multiple selections within one group are possible. Each checkbox has it's own column in exports.
Numerical (0.0 - 100.0 %)	This is a textbox. The darker box tells you which type of data is expected. Depending on the type additional information can be min and max values, decimal precision, units and expected formats for dates, times and decimals.

DAY 0 - BASELINE

Visit date	
	Date (MM/dd/yyyy)
Data entry is	O Prospective
	O Retrospective
Identification	
Site of visit	O Hospital (Ward/ICU)
	O Emergency Room
	O Outpatient service
	O Other:
	Text
Reason for neurological assessment	O Consulation
	O Other:
	Text
Date of admission	
	Date (MM/dd/yyyy)
Demographics & History	
Patient's height	
0	Numerical (1 - 250 cm)
	🗌 Unknown

Patient's weight

	Numerical (1 - 400 kg)
	🔲 Unknown
Current smoker	O Yes
	O No
	O Unknown
Source of COVID-19 contact	O Occupation
	O Family member
	O Social
	O Travel
	O Unknown
	O Other:
	Text
Date of COVID-19 symptom onset	
	Date (MM/dd/yyyy)
Variant of COVID-19 infection	O Alpha (B.1.1.7)
	O Beta (B.1.351)
	O Gamma (P.1)
	O Delta (B.1.617.2)
	O My (B.1.621)
	O Eta (B.1.525)
	O Theta (P.3)
	O Kappa (B.1.617.1)
	O Lambda (C.37)
	O Iota (B.1.526)
	O Zeta (P.2)
	O Unknown
	O Other:
	Text
Final COVID-19 status (final diagnosis)	

SuspectedConfirmed

	PCR negative
	PCR positive (oropharyngeal AND/OR serum AND/OR CSF)
	☐ Antibodies positive
	□ Other:
	Text
Was the patient vaccinated?	O Yes
	O No
If Yes:	
Number of vaccination doses	Numerical (1 *)
	Numerical (1 - *)
If Yes: Vaccine of last dose	O Spikevax (Moderna)
	O Comirnaty (Pfizer/BioNTech)
	O Janssen (Johnson & Johnson)
	O Vaxzevria (Oxford/AstraZeneca)
	O Covishield (Serum Institute of India)
	O Covilo (Sinopharm)
	O CoronaVac (Sinovac)
	O Unknown
	O Other:
	Text
If Yes: Date of last dose	
Date of last dose	Date (MM/dd/yyyy)
~	
Comorbidities in history	
Any comorbidity with impact on patients perceived health?	O Yes
	O No
	O Unknown
Arterial hypertension	O Yes
	O No
	O Unknown

Diabetes	 Type 1 Type 2 Unknown No Other:
	Text
Cardiovascular Disease	YesNoUnknown
Chronic kidney disease	YesNoUnknown
Chronic liver disease	YesNoUnknown
Chronic pulmonary disease	YesNoUnknown
Anemia	YesNoUnknown
Cancer	 Yes No Unknown
Immunosuppressed state	YesNoUnknown
Other non-neurological comorbidities	 Yes, specify: No Unknown
	Text

Premorbid modified Rankin Scale score (mRS)	
	Numerical (0 - 5)
Another complication	O Yes, specify:
	O No
	O Unknown
	Text
Any neurological disease with impact on patient's health?	
	Dementia
	Parkinson's disease
	Stroke: ICH, ischemic stroke, TIA
	Multiple sclerosis
	Motor neuron disease
	Neuromuscular disorder
	□ Neuropathy
	□ No
	🔲 Unknown
	□ Other:
	_
	Text
Complications	O Yes
	O No
	O Unknown
Dyspnea	O Yes
	O No
	O Unknown
Pneumonia	O Yes
	O No
	O Unknown
Cardiovascular	O Yes
	O No
	O Unknown

Renal insufficiency/dialysis	 Yes No Unknown
Coagulation disorder /Disseminated intravascular coagulation	YesNoUnknown
Refractory shock	YesNoUnknown
Extra-Corporeal Membrane Oxygenation (ECMO)	YesNoUnknown
Mechanical ventilation	YesNoUnknown

New Neurological Findings

Neurological findings at visit	O Yes
	O No
If new neurological findings: Neurological findings date	Date (MM/dd/yyyy)
If new neurological findings:	O Yes, not COVID assoc
Headache	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
If new neurological findings: Hyposmia/Hypogeusia	O Yes, not COVID assoc
	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown

If new neurological findings: Dysautonomia	O Yes, not COVID assoc
	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
If new neurological findings:	O Yes, not COVID assoc
Vertigo	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
If new neurological findings:	O Yes, not COVID assoc
Myalgia	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
If new neurological findings:	O Yes, not COVID assoc
Sleep disturbances	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
If new neurological findings: Sleepiness/Hypersomnia	O Yes, not COVID assoc
Sicephicss, Hypersonnia	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
If new neurological findings:	O Yes, not COVID assoc
Cognitive impairment	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
If new neurological findings:	O Yes, not COVID assoc
Dysexecutive syndrome	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown

If new neurological findings: Hyperactive delirium If new neurological findings: Hypoactive delirium/acute encephalopathy	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No
If new neurological findings: Stupor/coma	 Unknown Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Syncope	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Seizures/status epilepticus	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Meningitis/encephalitis	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Stroke	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown

If new neurological findings: Tremor	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Chorea	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Dystonia	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Myoclonus	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Dyskinesia	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Parkinsonism	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Ataxia	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown

If new neurological findings: Spinal cord disorder	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Peripheral neuropathy	 Yes, not COVID assoc Yes, likely COVID assoc Yes, unknown COVID assoc No Unknown
If new neurological findings: Other new neurological findings	 Yes, not COVID assoc: Yes, likely COVID assoc: Yes, unknown COVID assoc No Unknown

Text

Additional Diagnostic Tools

CSF performed	YesNoUnknown
If Yes: Did CSF show abnormality signs?	O Yes, not COVID assoc
	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
CT/MRI	O Yes
	O No
	O Unknown

If Yes: Did CT/MRI show abnormality signs?	O Yes, not COVID assoc
	O Yes, likely COVID assoc
	O Yes, unknown COVID assoc
	O No
	O Unknown
Outcome	
Was the patient admitted to the hospital?	O Yes
	O No
	O Unknown
Was the patient admitted to the ICU?	O Yes
	O No
	O Unknown
Modified Rankin Scale score (mRS) (Discharge/visit)	
(Discharge/visit)	Numerical (0 - 6)
If mRS = 6: Date of death	
	Date (MM/dd/yyyy)
If mRS = 6: Autopsy performed	O Yes
nutopsy performed	O No
	O Unknown
If mRS < 6: Date of discharge	
	Date (MM/dd/yyyy)

Neurocritical Care Questionnaire Supplementary

NCC additional values	0	Yes
	0	No

If NCC done: Patient's ethnicity	 Hispanic or Latino Not Hispanic or Latino Unknown Not reported Other:
If NCC done: Empiric COVID 19 treatment	 None Hydroxychloroquine Zithromax H+Z combo IVIG Remdesivir lopinavir/ritonavir Other:
If NCC done: Pre-Existing Code Status	Text O Full O DNR O DNI O CMO O Other
If NCC done: ATII-RA	O Yes O No
If NCC done: Corticosteriods	O Yes O No
If NCC done: Other immunosuppressives	O YesO No
If NCC done: Plegia/paralysis	 Yes, specify: No

If NCC done: Aphasia	O Yes O No
If NCC done: Abnormal tone	O Yes, specify:O No
	Text
If NCC done: Movement disorder	O Tremor
	O Stiffness
	 Change in facial expression
	 Disturbances of dexterity
	O Micrographia
	O Weakness
	O Dystonia
	O Ambulatory/Axial Difficulties - Freezing
	 Ambulatory/Axial Difficulties - Lack of arm swing
	 Ambulatory/Axial Difficulties - Leg dragging
	 Ambulatory/Axial Difficulties - Shuffling of gait
	 Ambulatory/Axial Difficulties - Postural imbalance
	O Ambulatory/Axial Difficulties - Falls
	 Ambulatory/Axial Difficulties - Slowness of gait
	 Ambulatory/Axial Difficulties - Stooped posture
	 Ambulatory/Axial Difficulties - Other abnormality of posture or gait
	O Other:
	Text

If NCC done: Abnormal brainstem reflexes	 Abnormal corneal Abnormal pupillary Abnormal cough Abnormal gag No abnormal reflexes Other:
If NCC done: Did the patient exhibit or report new sensory symptoms?	O Yes O No
If NCC done: Best GCS	Numerical (1 - 15)
If NCC done: Baseline Oxygen Saturation (SpO2)	Numerical (0.000 - 100.000)
If NCC done: Baseline respiratory rate	Numerical (0 - 50)
If NCC done: Baseline arterial blood gas Ph	Numerical (6.00 - 8.00)
If NCC done: Baseline arterial blood gas PaO2	Numerical (10.00 - 200.00)
If NCC done: Baseline arterial blood gas PaCO2	Numerical (10.00 - 100.00)
If NCC done: Baseline arterial blood gas HCO3	Numerical (10.00 - 40.00)
If NCC done: Baseline arterial blood gas O2 sat	Numerical (40 - 100)
If NCC done: Pre-intubation Oxygen Saturation (SPO2)	Numerical (0.000 - 100.000)
If NCC done: Pre-intubation Respiratory Rate	Numerical (0 - 50)
If NCC done: Pre-intubation arterial blood gas Ph	Numerical (6.00 - 8.00)

If NCC done: Pre-intubation arterial blood gas PaO2	Numerical (10.00 - 200.00)
If NCC done: Pre-intubation arterial blood gas PaCO2	Numerical (10.00 - 100.00)
If NCC done: Pre-intubation arterial blood gas HCO3	Numerical (10.00 - 40.00)
If NCC done: Pre-intubation arterial blood gas O2 sat	Numerical (40 - 100)
If NCC done: Days on Mechnical Ventilation	Numerical (0 - 60 days)
If NCC done: WBC on presentation	Numerical (0.00 - 50.00 × 10^9/L)
If NCC done: Lymph on presentation	Numerical (0.00 - 50.00 × 10^9/L)
If NCC done: Neuroimaging type	
	CT scan head
	□ MRI head
	MRI nead MRI spine
	□ MRI spine
	 MRI spine None
	 MRI spine None
If NCC done: ICU LOS	 MRI spine None Other:

If NCC done: Discharge disposition

- O Home
- O Nursing home/SNF
- O LTACH
- O Hospice
- O Acute rehab
- O Subacute rehab
- O Other:

Text

Finally

Any comment

Text