

## Supplemental Online Content

Nauen DW, Hooper JE, Stewart CM, Solomon IH. Assessing brain capillaries in coronavirus disease 2019. *JAMA Neurol*. Published online February 12, 2021. doi:10.1001/jamaneurol.2021.0225

### **eTable.** Clinical Information for All Study Patients

This supplemental material has been provided by the authors to give readers additional information about their work.

**eTable. Clinical Information for All Study Patients**

Age(y)	Sex	Neurologic symptoms	Cause of death	Lungs*	Key autopsy findings
<i>BWH COVID Cases</i>					
60s**	F	Increased somnolence	COVID-19	yes	SARS-COV-2 infection, bilateral patchy early diffuse alveolar damage (DAD), acute-on-chronic kidney disease
70s**	M	Disoriented, increased somnolence	COVID-19	yes	SARS-COV-2 infection with acute DAD, bacterial pneumonia
70s	M	(Unresponsive; Did not survive cardiac arrest)	PE/COVID-19	yes	Acute pulmonary emboli, SARS-COV-2 infection, diffuse alveolar damage
80s	M	Not following commands, somnolent, not speaking	COVID-19	yes	SARS-COV-2 infection, aspiration/bacterial pneumonia
60s	M	Myalgia, weakness, increasing somnolence	COVID-19	yes	SARS-COV-2 infection, acute and organizing DAD, duodenitis with necrosis
90s	M	(Baseline dementia; neurological exam deferred)	COVID-19	yes	SARS-COV-2 infection, acute and organizing DAD
40s**	M	(Unresponsive; Did not survive cardiac arrest)	PE/COVID-19	yes	SARS-COV-2 infection with acute and focally organizing DAD, pulmonary emboli/thrombosis
70s**	M	Lethargy, not following commands	COVID-19	yes	SARS-COV-2 infection, acute and organizing DAD, acute bacterial pneumonia
60s	M	(Chronic psychosis)	COVID-19	yes	SARS-COV-2 infection, organizing DAD, pulmonary emboli
80s	M	Delirium; increasing somnolence	prostate CA	yes	Metastatic carcinoma, SARS-COV-2 infection with organizing DAD
<i>JHH COVID Cases</i>					
50s**	M	(Intubated shortly after admission)	Complications of COVID-19	yes	DAD, secondary fungal pneumonia
50s	F	Isolated wrist drop	Acute hemorrhage basal ganglia, COVID PNA	yes	Acute and organizing pneumonia all lobes, severe coronary atherosclerosis
70s	F	Confusion; h/o stroke 2019	Sudden cardiac death, COVID-19, cholecystitis, pleuritis	yes	Lung interstitial fibrosis and chronic inflammation, old infarct brain
60s	F	(Severe dementia at baseline)	COVID-19	yes	Extensive organizing pneumonia, hypertensive and diabetic changes in kidney, early hypoxic-ischemic changes in brain (Only fragments of brain available for examination)
60s	M	(Unresponsive)	PE, COVID-19, COPD	emboli and congestion	Acute and chronic pancreatitis (Only fragments of brain available for examination)
<i>JHH Non-COVID Cases</i>					
60s	F	Altered mental status	Acute pneumonia	no	Cirrhosis, severe kidney disease, hypoxic-ischemic changes in brain
50s	M	(Unresponsive)	Sudden cardiac death	no	Cardiomegaly, acute ischemia of left ventricle, hypoxic-ischemic changes in brain

\* Lungs consistent with death due to COVID-19

\*\* Megakaryocytes found in cortical capillaries