

Table 4: Neurological symptoms of COVID-19

Review authors (1st author) who discussed the named symptoms	Symptom																	
	Acute CVD (a)	Altered Mental Status (b)	Changes to smell and taste	Dizziness	Dysphagia	Encephalitis (c)	Fatigue	Guillain-Barre syndrome (d)	Headache	Mental Health Issues (e)	Muscle Issues (f)	Myelitis	Neuralgia/ Polyneuropathy	Ondines Curse (g)	Polynueritis Cranialis	Seizure (h)	Sensory Disturbances (i)	Sleep issues (j)
Abdelaziz <sup>11</sup>	x	x	x	x					x		x		x			x		
Abdullahi <sup>12</sup>	x	x	x	x					x		x		x			x	x	
Abu-Rumeileh <sup>13</sup>			x		x		x				x		x		x			
Agyeman <sup>14*</sup>			x*															
Almqvist <sup>15</sup>	x	x	x	x		x	x	x	x	x	x				x	x		x
Asadi-Pooya <sup>16</sup>	x	x		x					x		x					x		
Bahtia <sup>17*</sup>	x*																	
Carrillo <sup>18*</sup>								x*										
Ceravolo <sup>19</sup>	x				x		x	x			x		x		x			
Collantes <sup>20</sup>	x			x				x	x		x							x
Correia <sup>21</sup>	x	x	x	x		x			x		x		x			x		
Di Carlo <sup>22</sup>	x		x	x					x		x							
Dinakaran <sup>23</sup>	x	x	x	x		x	x	x	x	x	x				x	x		x
Fatima <sup>24*</sup>	x*																	
Ghannam <sup>25</sup>	x			x		x	x	x	x		x		x			x		x
Gittermann <sup>26*</sup>			x					x*			x		x					
Katal <sup>27</sup>	x	x		x	x	x	x		x		x	x				x	x	
Katyal <sup>28</sup>			x					x			x	x			x			
Leonardi <sup>29</sup>	x	x	x			x		x	x		x			x		x	x	
Liguoro <sup>30</sup>							x											
Montalvan <sup>31</sup>	x	x	x			x	x	x	x		x		x			x		
Narula <sup>32*</sup>		x				x			x	x	x					x*		
Nepal <sup>33</sup>	x	x	x	x	x	x		x	x		x	x				x		
Orru <sup>34</sup>	x	x	x	x		x		x	x		x		x			x	x	
Paliwali <sup>35</sup>		x	x				x	x	x		x		x					
Panda <sup>36</sup>			x			x	x	x	x		x					x		
Pinzon <sup>37</sup>	x	x		x			x		x		x		x			x	x	
Pousa <sup>38</sup>			x				x		x		x					x		
Raschetti <sup>39</sup>											x							
Rogers <sup>40</sup>	x	x		x		x			x	x					x			x
Scoppettuolo <sup>41</sup>	x		x			x		x			x	x	x	x	x	x		
Sharifan <sup>42</sup>	x	x	x	x		x		x	x	x	x	x				x	x	
Taherifard <sup>43</sup>	x	x				x	x	x	x		x				x	x		
Tan <sup>44*</sup>	x*																	
Trevisanuto <sup>45</sup>																x		
Tsai <sup>46</sup>	x	x	x	x		x		x			x		x			x		
Tsivgoulis <sup>47</sup>	x	x	x	x		x	x	x	x		x				x			

Uncini <sup>48</sup>		X	X					X			X		X				X	
Valiuddun <sup>49</sup>	X					X		X			X	X	X				X	
Vonck <sup>50</sup>	X	X	X	X	X	X		X	X		X		X		X	X	X	
Wang <sup>51</sup>		X	X	X	X	X	X	X	X		X	X	X				X	X
Werner <sup>52</sup>	X	X	X	X					X		X		X				X	X
Whittaker <sup>53</sup>	X	X	X	X		X		X	X		X						X	X
Wilson <sup>54</sup>	X	X	X	X		X			X								X	
Zahara <sup>55*</sup>			X*															

\*These studies specifically looked only at these symptoms

(a) incl. strokes and blood clots thought to cause stroke

(b) incl. confusion

(c) incl. meningitis, encephalopathy

(d) incl. Miller Fisher Syndrome

(e) incl. suicidal ideation, psychosis, anxiety, depression

(f) incl. ataxia, dystonia (specifically sustained upward gaze, dystonic bilateral leg extension, tongue deviation), hypertonia, hypotonia, myalgia, myasthenia gravis, muscle injury, muscle weakness, spasms

(g) fatal respiratory failure in sleep

(h) incl. epilepsy

(i) incl. amblyopia

(j) incl. insomnia