

THE LANCET Neurology

Supplementary appendix

This appendix formed part of the original submission. We post it as supplied by the authors.

Supplement to: Cohen ME, Eichel R, Steiner-Birmanns B, et al. A case of probable Parkinson's disease after SARS-CoV-2 infection. *Lancet Neurol* 2020; **19**: 804–05.

A case of probable Parkinson's disease after SARS-CoV-2 infection

**Mikhal E Cohen, Roni Eichel, Bettina Steiner-Birmanns, Amir Janah, Maxim Ioshpa, Rachel Bar-Shalom, Jefri J Paul, Hanaa Gaber, Volha Skrahina, Natan M Bornstein, Gilad Yahalom*

Department of Neurology (MEC, RE, BS-B, AJ, MI, NMB, GY) and Department of Nuclear Medicine (RB-S), Shaare Zedek Medical Center, Jerusalem, Israel; Faculty of Medicine, The Hebrew University of Jerusalem, Jerusalem, Israel (MEC, RE, BS-B, AJ, MI, NMB, GY); and CENTOGENE, Rostock, Germany (JJP, HG, VS)

Table 1.....	p 1
Table 2.....	p 2

Table 1: Routine blood and CSF test measures

	Blood	CSF
Cell count	5.2 k WBC/ μ l	6 WBC/ μ l
	261 k platelets/ μ l	83.3 % mononuclear cells
	hemoglobin 14.5 g/dl	16.7 % polymorphonuclear cells
Chemistry	glucose 91 mg/dl	glucose 62 mg/dl
	sodium 142 mEq/l	protein 43 mg/dl
	potassium 3.8 mEq/l	
	creatinine 0.9 md/dl	
	BUN 13 mg/dl	

Table 2: Panel depicting the list of genes analyzed

Gene	Name
<i>ADCY5</i>	adenylate cyclase 5
<i>ANO3</i>	Anoctamin 3
<i>APOE</i>	Apolipoprotein E
<i>APP</i>	Amyloid Beta Precursor Protein
<i>ATP13A2</i>	ATPase Cation Transporting 13A2
<i>ATP1A3</i>	ATPase Na ⁺ /K ⁺ Transporting Subunit Alpha 3
<i>ATP9A</i>	ATPase Phospholipid Transporting 9A
<i>C19orf12</i>	Chromosome 19 Open Reading Frame 12)
<i>CHCHD2</i>	Coiled-Coil-Helix-Coiled-Coil-Helix Domain Containing 2
<i>CNEP1R1</i>	CTD nuclear envelope phosphatase 1 regulatory subunit 1
<i>COX20</i>	Cytochrome c oxidase assembly factor
<i>CTDNEP1</i>	CTD Nuclear Envelope Phosphatase 1
<i>DCTN1</i>	Dynactin Subunit 1
<i>DJI (PARK7)</i>	Parkinsonism associated deglycase
<i>DNAJC13</i>	DnaJ Heat Shock Protein Family (Hsp40) Member C13
<i>DNAJC6</i>	DnaJ Heat Shock Protein Family (Hsp40) Member C6
<i>ELOVL7</i>	ELOVL Fatty Acid Elongase 7
<i>FBXO47</i>	F-Box Protein 47
<i>FBXO7</i>	F-Box Protein 7
<i>GAK</i>	Cyclin G Associated Kinase
<i>GBA</i>	Glucosylceramidase beta
<i>GCDH</i>	Glutaryl-CoA Dehydrogenase
<i>GCH1</i>	GTP Cyclohydrolase 1
<i>GNAL</i>	G Protein Subunit Alpha L
<i>GNE</i>	Glucosamine (UDP-N-Acetyl)-2-Epimerase/N-Acetylmannosamine Kinase
<i>GRN</i>	Granulin Precursor
<i>HPCA</i>	Hippocalcin
<i>KCTD17</i>	Potassium Channel Tetramerization Domain Containing 17
<i>KMT2B</i>	Lysine Methyltransferase 2B

<i>LPIN1</i>	Lipin 1
<i>LPIN2</i>	Lipin 2
<i>LPIN3</i>	Lipin 3
<i>LRRK2</i>	Leucine-rich repeat kinase 2
<i>MAPT</i>	microtubule-associated protein tau
<i>MCCC1</i>	Methylcrotonoyl-CoA Carboxylase 1
<i>MCOLN1</i>	Mucolipin 1
<i>NPC1</i>	NPC Intracellular Cholesterol Transporter 1
<i>PANK2</i>	Pantothenate Kinase 2
<i>PARK2</i>	Parkinson disease 2
<i>PDE8B</i>	Phosphodiesterase 8B
<i>PDGFB</i>	Platelet Derived Growth Factor Subunit B
<i>PDGFRB</i>	Platelet-derived growth factor receptor beta
<i>PINK1</i>	mitochondrial serine/threonine-protein kinase
<i>PLA2G6</i>	Phospholipase A2 Group VI
<i>POLG</i>	DNA polymerase subunit gamma
<i>SLC19A3</i>	Solute Carrier Family 19 Member 3
<i>SLC20A2</i>	Solute Carrier Family 20 Member 2
<i>SLC30A10</i>	Solute Carrier Family 30 Member 10
<i>SLC39A14</i>	Solute Carrier Family 9 Member 14
<i>SLC6A3</i>	Solute Carrier Family 6 Member 3
<i>SNCA</i>	Synuclein Alpha
<i>SNCB</i>	Synuclein Beta
<i>SYN1</i>	Synapsin I
<i>SYNJ1</i>	Synaptojanin 1
<i>TAF1</i>	TATA-Box Binding Protein Associated Factor 1
<i>TDP43</i>	TAR DNA binding protein 43
<i>THAP1</i>	THAP Domain Containing 1
<i>TOR1A</i>	Torsin Family 1 Member A
<i>VAC14</i>	VAC14 Component Of PIKfyve Complex
<i>VPS13C</i>	Vacuolar Protein Sorting 13 Homolog C

<i>VPS35</i>	Vacuolar protein sorting-associated protein 35
<i>XPR1</i>	Xenotropic And Polytropic Retrovirus Receptor 1