

**Cell, Volume 183**

## **Supplemental Information**

### **Case Study: Prolonged Infectious SARS-CoV-2**

#### **Shedding from an Asymptomatic**

#### **Immunocompromised Individual with Cancer**

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**Table S1. Immunohistochemistry studies from L4 vertebral body biopsy on February 14, 2020. Related to Figure 1.** The patient underwent surgery for L4 vertebral body burst fracture, and a biopsy was taken from the L4 vertebral body during the operative repair.

<b>Antibody</b>	<b>Result</b>	<b>Comment</b>
CD20 L26	Positive	Present in mature B cell lymphocytes
CD3	Negative	Highlights T cells
BCL-2	Positive	Inhibits pro-apoptotic proteins
Cyclin D1	Negative	Positive in mantle cell lymphoma
Ki67 MIB1 sq	Rare cell positive	<1%

**Table S2. Gammaglobulin transfusions. Related to Figure 1.**

<b>Dispense Date</b>	<b>IVIG Product Manufacturer Grifols</b>	<b>Lot Number</b>	<b>NDC Number</b>	<b>Expiration Date</b>	<b>Collection Date</b>
March 7, 2020	Flebogamma 20 grams	A4GLD00461	61953-0005-3	10-11-2021	October 2017
	Flebogamma 5 grams	A4GJC00281	61953-0005-1	12-16-2020	December 2016
April 6, 2020	Flebogamma 20 grams	A4GLD00461	61953-0005-3	10-11-2021	October 2017
	Flebogamma 5 grams	A4GJC00281	61953-0005-1	12-16-2020	December 2016

**Table S3. Additional laboratory values. Related to Figure 1.**

DATE	LAB	VALUE	NORMAL RANGE
February 25, 2020	White Blood Cell count	34.3 x 10 <sup>3</sup> /μL	3.98-10.40
	Hemoglobin	6.8 g/dl	11.2-15.7
	Hematocrit	22.6%	34.1-44.9
	Platelet	747 x 10 <sup>3</sup> /μL	182-369
	Neutrophils	13.37 x 10 <sup>3</sup> /μL	1.56-6.13
	Immature neutrophils	0.69 x 10 <sup>3</sup> /μL	0.0-0.20
	Lymphocytes	14.7 x 10 <sup>3</sup> /μL	1.2-3.7
	Abnormal lymphocytes	2.40 x 10 <sup>3</sup> /μL	0
	Reactive lymphocytes	0.34 x 10 <sup>3</sup> /μL	0
March 5, 2020	IgG	303 mg/dl	700-1600
April 1, 2020	IgG1	600 mg/dl	148-810
	IgG2	257 mg/dl	130-555
	IgG3	34 mg/dl	15-102
	IgG1	12 mg/dl	2-96
	LDH	390 U/L	110-221
April 10, 2020	IgG	901 mg/dl	586-1602
	IgG	951 mg/dl	586-1602
	IgM	15 mg/dl	26-217
	IgA	34 mg/dl	64-422
April 13, 2020	C-reactive Protein	3.55 mg/dl	<1.5
April 30, 2020	IgG	378 mg/dl	586-1602
May 1, 2020	IgG	290 mg/dl	586-1602
May 7, 2020	CD4 count	1083 cells/ml	359-1083
	CD4 %	22%	30.8-58.5

**Table S4: Genbank accession numbers and full genome names obtained directly from the patient samples and of the SARS-CoV-2 isolates. Related to Figure 4, Table 2.**

<b>Genbank</b>	<b>Direct patient sample</b>	<b>Name</b>	<b>Collection date</b>
MT982403	d49	hCoV-19/USA/WA-RML-1/2020	20-Apr-2020
MT982402	d70	hCoV-19/USA/WA-RML-2/2020	11-May-2020
MT982405	d85	hCoV-19/USA/WA-RML-3/2020	26-May-2020
MT982406	d105	hCoV-19/USA/WA-RML-4/2020	15-Jun-2020
	<b>SARS-CoV-2 isolate</b>		
MT982401	d49	hCoV-19/USA/WA-RML-5/2020	20-Apr-2020
MT982404	d70	hCoV-19/USA/WA-RML-6/2020	11-May-2020