

**Supplementary Table 1 Demographic and Clinical Characteristics of Crohn Disease Patients Underwent Autologous HSCT ( 2013 -2021 - 50 pts)**

#	Age	Sex	HSCT Date	Elapsed Months	Vaccination	( n ) label vaccine	CD Status	COVID 19	Months HSC T to COVID	Vaccination at infection time	Symptoms COVID 19 +	Treatment COVID 19+	CD Status before COVID 19 pts +	CD Status after COVID 19 pts +	Delayed Symptoms after COVID 19
1	31-35	F	2013	100	yes	(n )	Relapsed	no							
2	56-60	F	2014	88	yes	(2) Az	Relapsed	no							
3	31-35	M	2014	88	yes	(2) Az (1) Pf	Remission	no							
4	41-45	F	2014	86	yes	(3) Pf	Relapsed	no							
5	41-45	F	2015	84	no	0	Remission	yes	76	no	Fever, flu-like symptoms, cough, body	0	Remission	Remission	0

												aches				
6	31-35	F	2015	82	yes	(2) Pf	Recidiva	no								
7	56-60	M	2015	78	yes	(2) Az	Remission	yes	7 7	yes	Fever, body aches, fatigue	0	Remission	Remission	0	
8	51-55	M	2015	77	no	0	Remission	yes	7 6	no	Severe body aches, severe headache, physical and mental fatigue and diarrhea.	0	Remission	Remission	Fatigue, muscle weakness, shortness of breath	
9	46-50	M	2015	77	yes	(1) Ja	Relapsed	no								
10	46-50	F	2015	76	yes	(2) Az (1) Pf	Remission	no								
11	26-30	M	2016	73	yes	(2) Az (1) Pf	Relapsed	no								

<b>12</b>	31-35	M	2016	71	no	0	Relapsed	yes	59	no	flu symptoms	0	Relapsed	Relapsed	0
<b>13</b>	36-40	M	2016	69	yes	(2) Ja	Remission	no							
<b>14</b>	41-45	M	2016	69	yes		Relapsed	yes	68	yes	Coryza and sore throat	0	Relapsed	Relapsed	0
<b>15</b>	51-55	F	2016	69	yes	0	Remission	yes	68	no	Headache, diarrhea Hospital stay 5 days	Iver, Cort e Azitr o	Remission	Remission	Sleep disorder s, headach e
<b>16</b>	36-40	F	2016	68	yes	(2) Az (1) Pf	Remission	no							
<b>17</b>	26-30	F	2016	67	yes	(2) Az	Relapsed	no							
<b>18</b>	31-35	F	2016	65	yes	(2) Az (1) Pf	Relapsed	no							

19	26-30	M	2017	59	yes	(2) Az	Relapsed	no							
20	31-35	F	2017	57	yes	(2) Az (1) Pf	Remission	yes	56	yes	Headache, rashes, fever, cough and sore throat	Azithromycin, Cort	Remission	Remission	Loss of taste, nausea and alopecia
21	41-45	F	2017	56	yes	(2) Az (1) Pf	Remission	no							
22a	26-30	F	2017	55	no	0	Remission	yes	41	no	Flu-like symptoms nausea, fatigue	0	Remission	Remission	0
22b	26-30	F	2017	55	yes	(2) Az	Remission	yes	54	yes	cough	0	Remission	Remission	Diarrhea
23	36-40	F	2017	51	yes	(2) Az (1) Pf	Relapsed	no							Abdominal pain, Constipation, Bleeding stool
24	41-45	F	2017	50	yes	(2) Az (1)	Relapsed	yes	49	yes	Fever, sore throat, body aches, vomiting, headache,	0	Relapsed	Relapsed	Cough, headache and

						Pf					cough and worsening diarrhea.				dizziness, burning in the throat
25	41-45	M	2018	48	yes	(2) Az (1) Pf	Remission	no							
26	51-55	F	2018	47	yes	(2) Az (1) Pz	Remission	no							
27	41-45	F	2018	45	yes	(1) Az	Remission	yes	3 2	no	Body ache and sore throat.	Azithromycin	Remission	Remission	0
28	31-35	M	2018	43	yes	(4) Pf	Relapsed	no							
29	36-40	F	2018	42	yes	(2) Az (1) Pf	Relapsed	yes	4 1	yes	Sore throat, cough, runny nose, body ache, fever, indisposition.	0	Relapsed	Relapsed	0
30	51-55	F	2019	35	yes	(3) Pf	Relapsed	no							

31	36-40	M	2019	33	yes	0	Relapsed	yes	24	yes	Shortness of breath, cough and asthma	Azithromycin	Relapsed	Relapsed	Cognitive disorders
32	26-30	M	2019	32	yes	(2) Co	Remission	no							
33	16-20	F	2019	32	no	0	Relapsed	yes	12	no	Headache, sneezing, body ache, runny nose	0	Relapsed	Relapsed	0
34	26-30	F	2019	30	yes	(3) Pf	Relapsed	yes	29	yes		0	Relapsed	Relapsed	0
35	41-45	M	2019	29	yes	(2) Az	Relapsed	no							
36	41-45	F	2019	29	yes	(2) Az (1) Pf	Remission	no							
37	46-50	F	2019	28	yes	(2) Az (1) Co	Relapsed	no							

38	21-25	M	2019	27	yes	(3) Pf	Relapsed	no							
39	31-35	F	2019	26	yes	(2) Az (1) Co	Relapsed	no							
40a	26-30	F	2020	24	no	0	Relapsed	yes	6	no	Loss of taste and smell, Fever, tiredness, diarrhea, sore throat, headache and body pain.Loss of taste and smell, fever, tiredness, diarrhea, sore throat, headache and body pain.	0	Remission	Relapsed	Muscle weakness, sleep and cognitive disturbances with CD symptoms.
40b	26-30	F	2020	24	yes	(2) Az (1) Pf	Relapsed	yes	23	yes	sore throat, cough, runny nose, fever, headache and body ache	0	Relapsed	Relapsed	Muscle weakness, sleep and cognitive disturbances with CD symptoms.

41	51-55	F	2020	24	yes	(2) Pf	Relapsed	yes	23	yes	Fever, body aches, sore throat and weakness	0	Relapsed	Relapsed	Diarrhoea, severe abdominal pain
42	31-35	M	2020	23	yes	(2) Az	Relapsed		no						
43	46-50	M	2020	16	yes	0	Relapsed	yes	6	no	Fever, stuffy nose, loss of smell and taste, and muscle aches	0	Remission	Relapsed	0
44	36-40	M	2020	14	yes	0	Relapsed	yes	4	no	Fever, headache, lack of appetite, tiredness, cough, weakness.	0	Remission	Relapsed	0
45	26-30	F	2021	11	yes	(2) Az (1) Pf	Remission	no							
46	46-50	M	2021	8	yes	(2) Pf	Relapsed	no							
47	31-35	M	2021	8	yes	(2) Pf	Relapsed	no							



48	36-40	M	2021	6	no	0	Relapsed	no							
49	26-30	M	2021	5	yes	(2) Az	Remission	no							
50	31-35	F	2021	5	yes	(2) Az (1) Pf	Remission	yes	3	yes	Fever, headache, body ache, sore throat, cough, tiredness, chest pain, vomiting, diarrhea.	0	Remission	Remission	0

Az: Oxford/Astra Zeneca ChAdOx1-S, Azitro: Azytromicin, Co: Coronavac ChAdOx1 nCOV-19; Cort: Corticosteroids F: female; Iver: Ivermectin;  
Ja: Janssen SARS COV 2 Ad26-COV2- S; M: male; Pf: Pfizer Biontech BNT16-2b2.

Line gris: Covid 19 positive patients

**Supplementary Table 2 Frequency annual distribution, Autologous Hematopoietic StemCell Transplantation (50 pts 2013- 2021)**

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	Frequency	Percent
2013	1	2.0
2014	3	6.0
2015	6	12.0
2016	9	18.0
2017	6	12.0
2018	5	10.0
2019	10	20.0
2020	5	10.0
2021	5	10.0

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**Supplementary Table 3. Descriptive statistics of the Time Elapsed Between the Autologous Hematopoietic Stem Cell Transplantation of the COVID + Patients and Infection Date**

		Elapsed Months until HSCT to COVID 19 +
Mean		39.47
Median		41.00
Mode		6a
Std. Deviation		26.578
Minimum		3
Maximum		77
Percentiles	25	12.00
	75	68.00