

ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
AGE	31	70	33	64	51	61	48	21	44	44	65	55	52	33	38
GENDER	male	male	male	male	male	male	male	male	male	male	male	male	male	female	male
SYMPTOMS ONSET	3/3/18	1/14/18	1/22/18	1/28/18	2/12/18	2/1/18	2/26/18	2/12/18	1/6/18	2/9/18	1/18/18	1/16/18	3/15/18	1/22/17	1/15/17
HOSPITALIZATION DATE	3/10/18	1/17/18	1/25/18	1/31/18	2/15/18	2/8/18	3/1/18	2/15/18	1/11/18	2/15/18	1/24/18	1/27/18	3/18/18	1/27/17	3/24/17
DPS	7	3	3	3	3	7	3	3	5	6	6	11	3	5	7
CONFUSION	A	A	A	A	A	A	A	A	A	A	A	P	P	A	A
HEADACHE	P	P	P	P	P	P	P	A	A	P	P	P	A	P	A
MYALGIA	P	P	A	A	A	A	P	P	A	A	P	A	A	P	P
FEVER	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P
ASTHENIA	P	A	P	P	P	A	P	A	P	P	P	A	A	P	A
ABDOMINAL PAIN	A	A	P	A	P	A	A	P	A	A	A	P	A	A	A
DIARRHEA	A	A	A	P	A	A	A	A	A	A	A	P	P	A	A
VOMIT	P	A	A	P	A	P	A	P	P	A	P	A	P	A	A
HEMOGLOBIN (14-18 g/dL)	15.5	14.7	14.3	16.3	14.3	15.5	13.5	12.6	16.9	14.6	14.5	10.5	12.7	13.2	16.2
HEMATOCRITE (42 – 50%)	46.3	42.8	42.9	47.5	42.2	50	41.3	39.8	51.2	46.7	44.9	39.1	46.2	43.3	47
PLATELETS (150,000-450,000mm³)	197000	130000	122000	206000	98000	81000	30000	151000	117000	70000	170000	61000	33000	109000	285000
LEUCOCYTE (4,000 - 11,000 mm³)	9900	2400	2500	3500	2600	7200	2400	1700	3970	2900	5300	2600	3900	2510	5400
LYMPHOCYTE (30% - 45%)	1734	1014	2530	1968	1829	1152	380	1080	1148	1292	1610	1005	1961	2420	1620
NEUTROPHIL (2,000 - 8,250 mm³)	6930	1272	925	1722	728	5328	1560	784	2624	1537	3337	1872	2809	704	3456
EOSINOPHIL (0 – 500 cells/mcL)	297	24	50	140	0	144	27	0	88	34	212	52	78	44	162

CREATININE (0.7 – 1.30 mg/dL)	1.3	1.1	1	1	0.8	0.6	0.8	0.8	0.7	0.7	1	1.9	0.7	0.73	0.8
ALBUMIN (3.4 – 5.4 g/dL)	2	4	3.8	3.8	3.8	3.1	3.9	3.9	3.6	3.6	3	2.5	2	3.1	-
AST (10 – 40 U/L)	1933	202	37	95	678	268	1943	645	3980	379	1304	7630	4350	823	758
ALT (10 – 40 U/L)	2300	163	138	100	413	665	1206	549	3000	435	1983	2390	610	827	374
GGT (9 – 50 U/L)	318	47	227	93	165	344	42	98	370	229	332	397	689	287	668
APHOS (30-120 U/L)	222	102	115	94	70	74	61	75	144	85	175	187	121	162	131
LACTATE (0.5 – 1 mmol/L)	1.4	-	1.4	1.3	1.1	1.2	1.1	0.8	1.3	1.2	1.5	7.2	1.6	0.7	-
INR	1.27	1	1	1	1	1.01	1.2	1.09	3.9	0.7	1.63	2.01	1.14	1.01	-
TOTAL BILIRUBIN (0.3 – 1.0 mg/dL)	11.8	0.5	0.5	0.4	0.3	2.4	0.3	1.1	3.2	0.6	10.1	9.9	4.1	2	1.6
DIRECT BILIRUBIN (0.1 – 0.3 mg/dL)	10.3	0.4	0.3	0.3	0.3	1.6	0.3	0.4	33.5	40.5	8.1	8.6	3.4	1.5	0.9
OUTCOME	DISCAHRGE	DISCAHRGE	DISCAHRGE	DISCAHRGE	DISCAHRGE	DISCAHRGE	DISCAHRGE	DISCAHRGE	DISCAHRGE	DISCAHRGE	DISCAHRGE	DEATH	DISCAHRGE	DISCAHRGE	DISCAHRGE
OUTCOME DATE	3/23/18	1/21/18	1/30/18	2/5/18	2/22/18	2/15/18	3/12/18	2/21/18	1/16/18	2/22/18	2/5/18	2/26/18	4/23/18	1/31/17	3/30/17

Supplementary table 1: Laboratory exams, signs and symptoms at the day of hospitalization of patients attended at Eduardo de Menezes Hospital and confirmed detection of YFV RNA in urine.

DPS: Days post symptoms. A: absence. P: presence. AST: aspartate aminotransferase. ALT: alanine aminotransferase. GGT: gamma-glutamyl transferase. APHOS: Alkaline phosphatase. INR: international normalized ratio. Laboratory test reference ranges are following ABIM (2020).

Biomarker (normal range)	Patients with positive PCR in urine (n=15)		Patients with negative PCR in urine (n=45)	
	Up to 15 DPS (n=13)	From 16 to 94 DPS (n=4)	Up to 15 DPS (n=16)	From 16 to 94 DPS (n=29)
AGE (years)	21 - 69	33 - 54	21 - 83	14 - 80
HEMOGLOBIN (14-18 g/dL)	12.6 - 16.9	10.5 - 16.2	6.2 - 16.5	7.0 - 18.1
HEMATOCRITE (42 – 50%)	39.8 - 51.2	39.1 - 47.0	17.5 - 50.5	29.6 - 53.6
PLATELETS (150,000-450,000mm ³)	30,000 - 206,000	33,000 - 285,000	9,000 - 224,000	9,000 - 398,000
LEUCOCYTE (4,000 - 11,000 mm ³)	1,700 - 9,900	2,510 - 5,400	1,700 - 9,600	1,100 - 13,460
NEUTROPHIL (2,000 - 8,250 mm ³)	728 - 6,930	704 - 3,456	322 - 6,764	612 - 6,300
EOSINOPHIL (0 – 500 cells/mcL)	0 - 297	44 - 162	0 - 192	0 - 534
CREATININE (0.7 – 1.30 mg/dL)	0.8 - 1.3	0.7 - 1.9	0.3 - 4.9	1 - 9.9
ALBUMIN (3.4 – 5.4 g/dL)	2.0 - 4.0	2.0 - 3.1	1.7 - 4.5	2.1 - 4.2
AST (10 – 40 U/L)	37 - 3,980	758 - 7630	25 - 5,326	37 - 16,220
ALT (10 – 40 U/L)	100 - 3000	374 - 2390	25 - 5,326	34 - 6,444
GGT (9 – 50 U/L)	42 - 370	287 - 680	13 - 24,820	73 - 2776
APHOS (30-120 U/L)	61 - 222	121 - 187	53 - 413	70 - 1070
LACTATE (0.5 – 1 mmol/L)	0.8 - 1.5	0.7 - 7.2	1.0 - 6.7	1.0 - 3.5
TOTAL BILIRUBIN (0.3 – 1.0 mg/dL)	0.3 - 11.8	1.6 - 9.9	0.4 - 26.6	0.5 - 9.8
DIRECT BILIRUBIN (0.1 – 0.3 mg/dL)	0.3 - 40.5	0.9 - 8.6	0.2 - 22.6	0.1 - 8.9
INR	0.7 - 1.63	1.01 - 2.01	1.0 - 5.11	1.0 - 5.0

Supplementary table 2: Laboratory exams range at the day of hospitalization of patients attended at Eduardo de Menezes Hospital with tested urine sample. Values from patients with positive urine sample were highlighted in light grey.

DPS: Days post symptoms. AST: aspartate aminotransferase. ALT: alanine aminotransferase. GGT: gamma-glutaryl transferase. APHOS: Alkaline phosphatase. INR: international normalized ratio. Laboratory test reference ranges are following ABIM (2020).