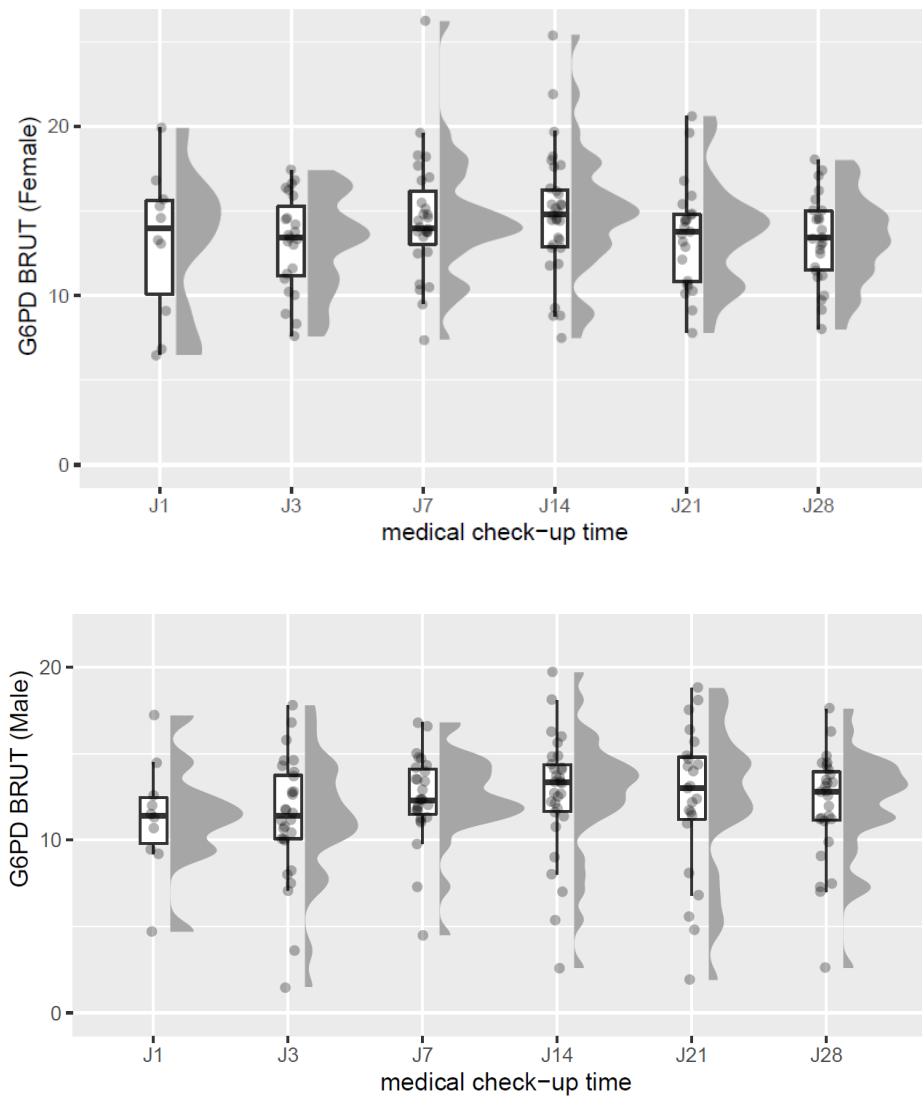


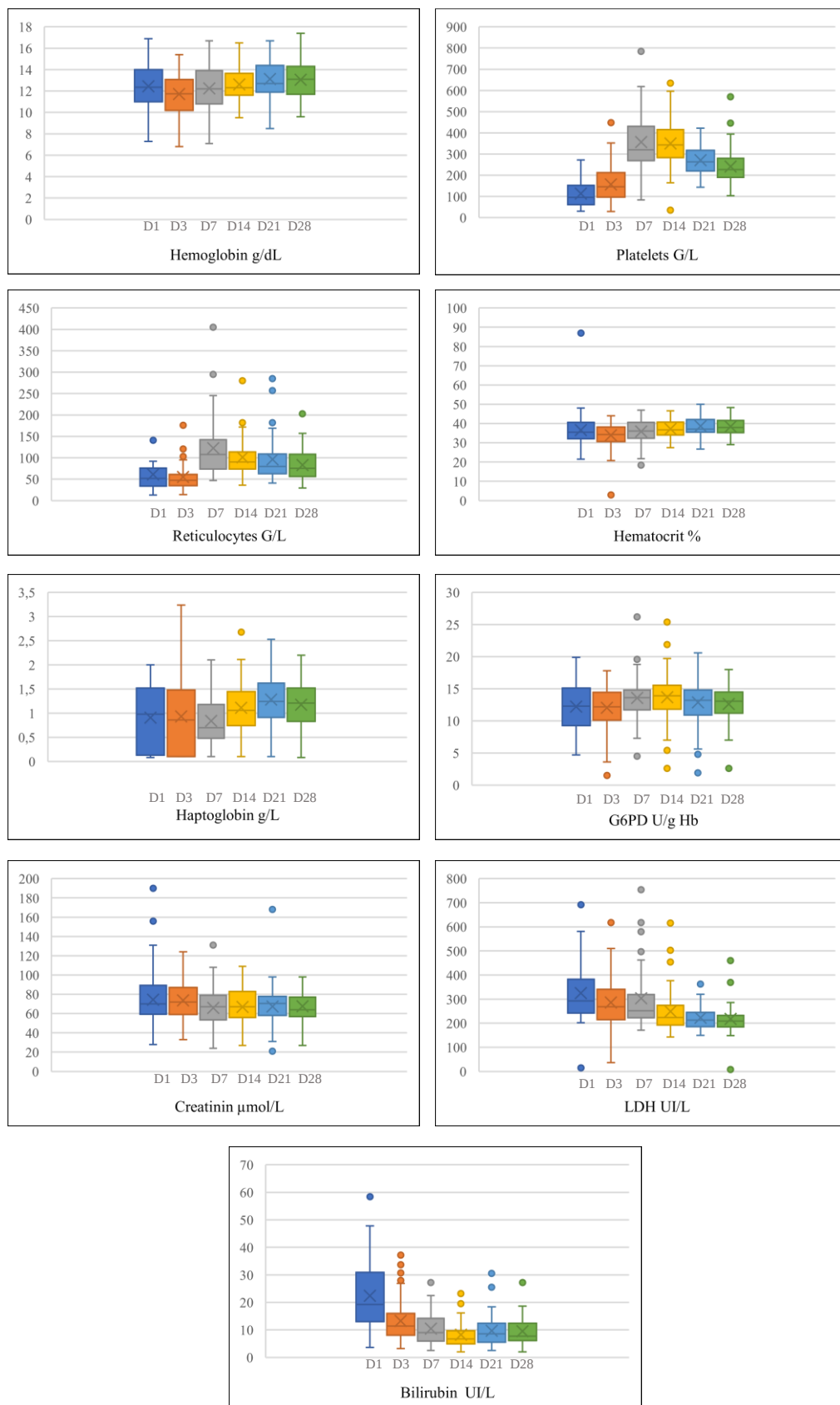
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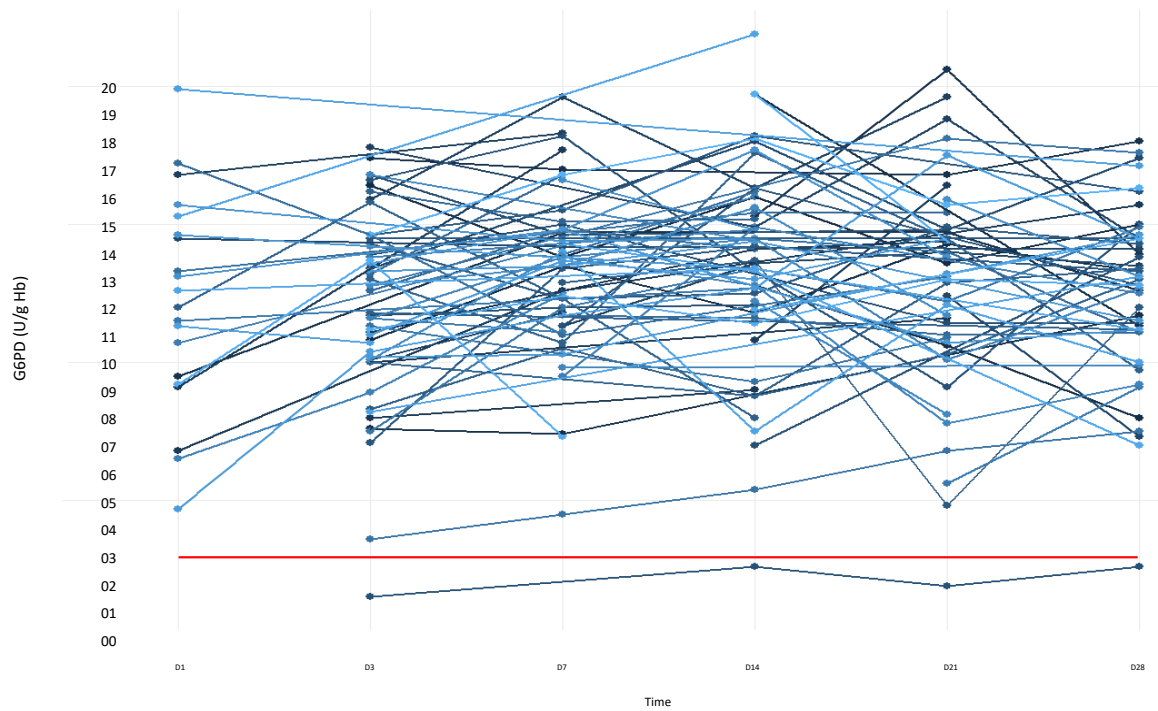
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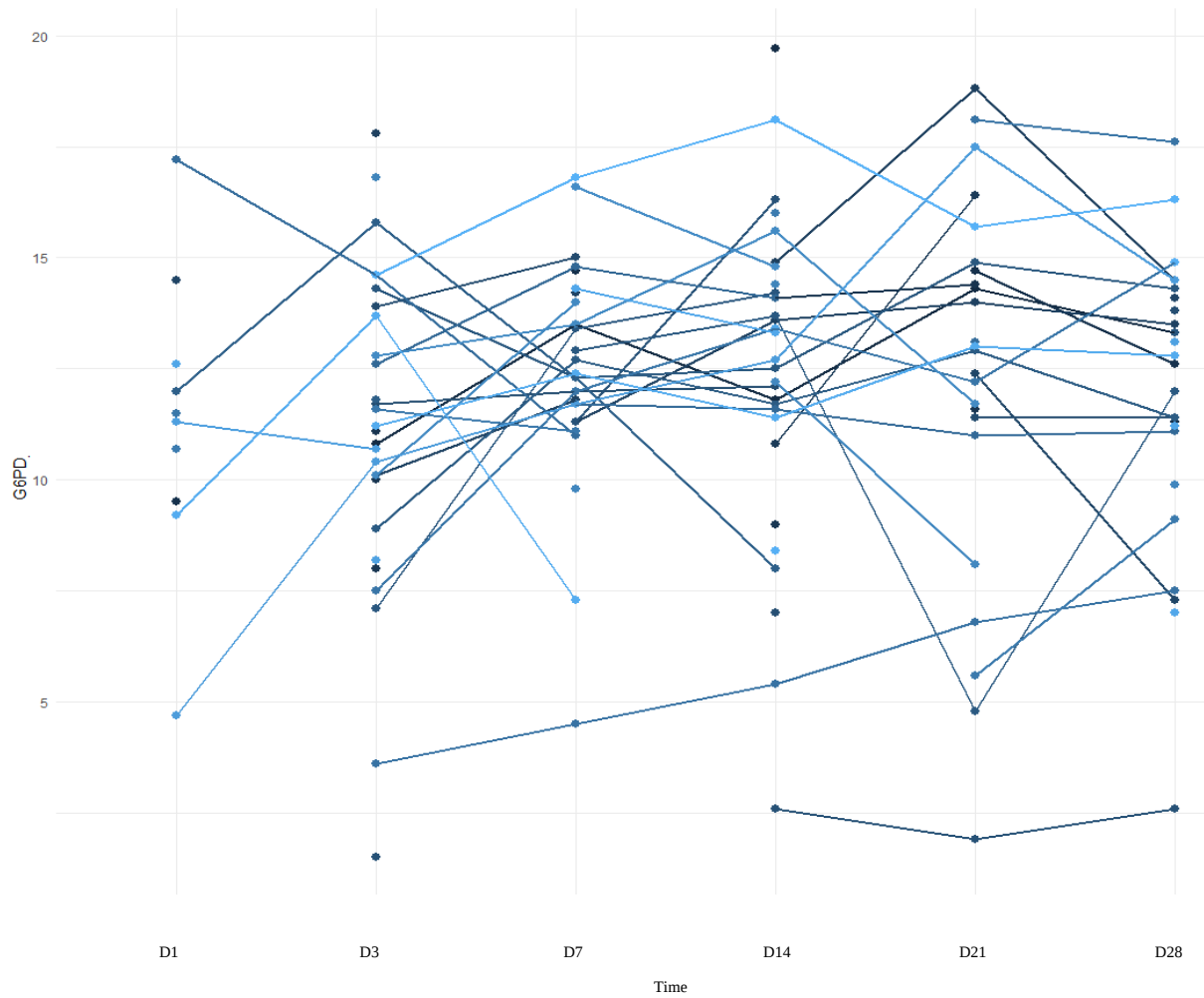
Supplement 1 : Cloudplots of G6PD activity· from day 1 to day 28.



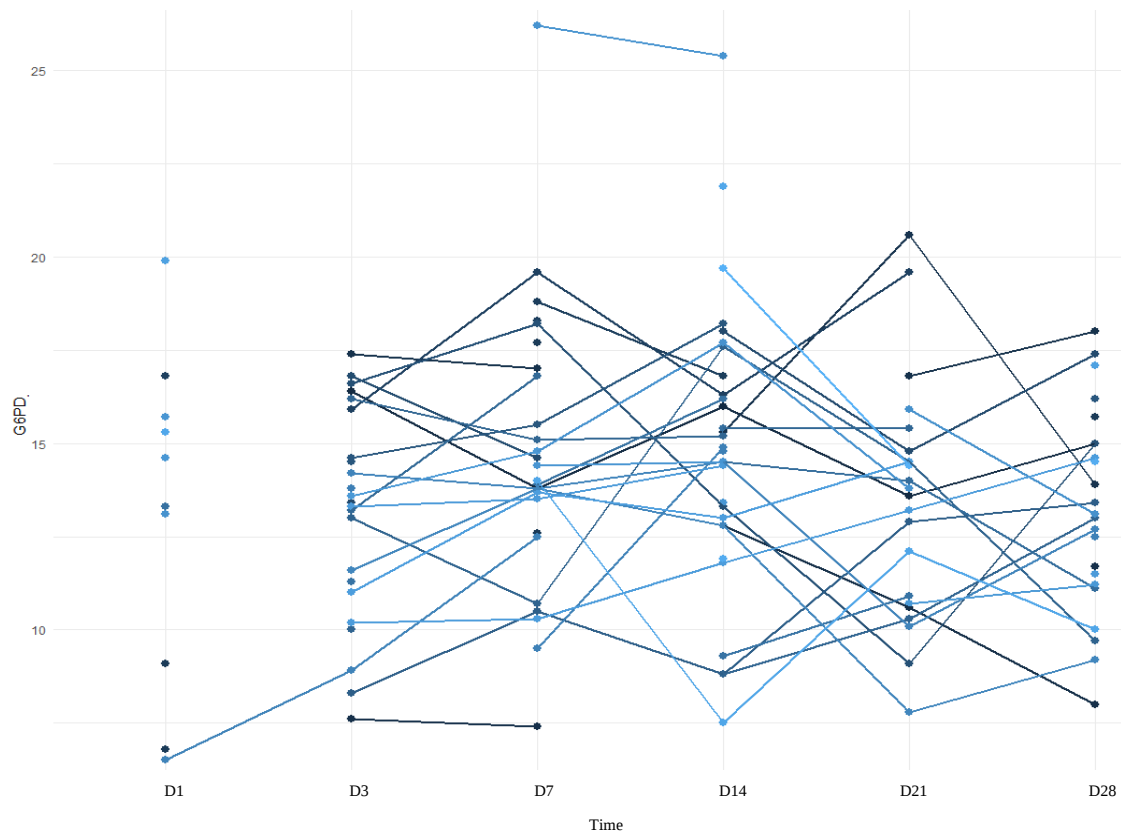
Supplement 2 : Box plots (median, interquartile range, full range) showing the distribution of biological changes over time in Arm 1 (N=93) : Day-1 (Deep blue), Day-3 (Orange), Day-7 (Grey), Day-14 (Yellow), Day-21 (Light blue), Day-28 (Green). The line indicates median, the crosse indicates mean.



Supplement 3 : spaghetti plot of G6PD measurements in all patients describing its individual variability.
Complete data patients: day-1: 20, day-3: 51, day-7: 54, day-14: 61, day-21: 46, day-28: 52. Red line : G6PD activity = 30%.



Supplement 4: Spaghetti plot of G6PD measurements in men describing its individual variability during the follow-up (48 patients).



Supplement 5: spaghetti plot of G6PD measurements in women describing its individual variability during the follow-up (45 patients).

Fixed Effects	Estimate	95% Lower CI	95% upper CI	Pr(> t)
(Intercept)	2.495	2.354	2.635	< 2e-16
Day 3	0.34	0.052	0.215	0.00145
Day 7	-0.04	-0.77	-0.030	0.00666
Day 14	0.027	-0.0404	0.095	0.42923
Day 21	0.039	-0.023	0.02	0.22848
Day 28	0.0000	-0.056	0.0564	0.99853
Age	-0.002	-0.005	0.0009	0.8003
Sex:female	0.68	0.048	0.288	0.00749
Random Effects				
Std.Dev_(Intercept) id	0.259	0.213	0.303	
sigma	0.0421	0.205	0.224	
REML criteria	100			

Supplement 6: Multivariate linear mixed effect model with clinical and demographic characteristics to identify the determinants of G6PD activity.

Fixed Effects	Estimate	95% CI	Lower	95% upper CI	Pval	Pval(Time)
(Intercept)	1.822	1.289		2.356	< 0.001	0.578
Day 3	0.035	-0.72		0.243	0.745	
Day 7	-0.0105	-0.216		0.243	0.923	
Day 14	0.077	0.060		0.214	0.292	
Day 21	-0.091	0.203		0.020	0.24	
Day 28	0.043	-0.046		0.33	0.364	
Sex	0.79	0.027		0.334	0.027	
Log (reticulocyte)	0.44	0.020		0.267	0.030	
Random Effets						
Std.Dev_(Intercept) id	0.250	0.80		0.321		
sigma	0.78	0.37		0.213		

Supplement 7: Multivariate linear mixed effect model with clinical and demographic and biological characteristics to identify the determinants of G6PD activity.

		G6PD day 1			G6PD day 3			G6PD day 7	
	Male	Female	Overall	Male	Female	Overall	Male	Female	Overall
<10%	0/24 (0)	0/13 (0)	0/37 (0)	0/38 (0)	0/24 (0)	0/62 (0)	0/37 (0)	0/31 (0)	0/68 (0)
10-30%	1/24 (4.2)	0/13 (0)	1/37 (2.7)	3/38 (7.9)	0/24 (0)	3/62 (4.8)	0/37 (0)	0/31 (0)	0/68 (0)
30-80%	3/24 (12.5)	2/13 (15.4)	5/37 (13.5)	4/38 (10.5)	1/24 (4.2)	5/62 (8.1)	2/37 (5.4)	1/31 (3.2)	3/68 (4.4)
>80%	20/24 (83.3)	11/13 (84.6)	31/37 (83.8)	31/38 (81.6)	23/24 (95.8)	54/62 (87.1)	35/37 (94.6)	30/31 (96.8)	65/68 (95.6)
Missing Data	108/132	78/91	186/223	94/132	67/91	161/223	95/132	60/91	155/223

		G6PD day 14			G6PD day 21			G6PD day 28	
	Male	Female	Overall	Male	Female	Overall	Male	Female	Overall
<10%	0/61 (0)	0/52 (0)	0/113 (0)	0/38 (0)	0/31 (0)	0/69 (0)	0/37 (0)	0/34 (0)	0/71 (0)
10-30%	1/61 (1.6)	0/52 (0)	1/113 (0.9)	1/38 (2.6)	0/31 (0)	1/69 (1.5)	1/37 (2.7)	0/34 (0)	1/71 (1.4)
30-80%	4/61 (6.6)	3/52 (5.8)	7/113 (6.2)	3/38 (7.9)	1/31 (3.2)	4/69 (5.8)	3/37 (8.1)	0/34 (0)	3/71 (4.2)
>80%	56/61 (91.8)	49/52 (94.2)	105/113 (92.9)	34/38 (89.5)	30/31 (96.8)	64/69 (92.7)	33/37 (89.2)	34/34 (100)	67/71 (94.4)
Missi ng Data	71/132	39/91	110/223	94/132	60/91	154/223	95/132	57/91	152/223

Supplement 8: Prevalence of G6PD deficiency over time.