

Appendix 1: Grid used for the assessment of every child included in the study.

Patient's code	Ethnic group
Age	Place of birth
Sex	Origins of parents
Breath frequency	Admission diagnosis
Heart rate	Discharge dimission
Drugs administrered in the previous 12 hours	
Body temperature at the entrance	Type of thermomiter
Body temperature after 1 hour	

	Admission						After 1 hour					
	Less		As usual		More		Less		As usual		More	
Variations of Sleep-Wake Rhythm												
Delayed sleep phase												
Early sleep phase												
Night awakenings												
Appetite Variations												
Reduced appetite												
Reduced liquid intake												
Variation in Motor Activity												
Increased complain												
Restlessness												
Weeknes												
Fatigue												
Change in Mood												
Irritability												
Anger												
Weeping												
Variation in Daily Habits												
Play reduction												
Reduction in showing interests												
Seeking comfort												
Uncooperative												
Variation of Facial Expression												
Changed Look												
Clenched teeth												
Curled lips												
Wrinkled forehead												
Paleness/colour change												
Other Signals												
Tachypnoea												
Chills												
Widespread pain												

Type of antipyretic _____
 Posology _____
 Method of administration (Dose/kg) _____
 Vomit in the following hour _____
 Defecation after rectal administration _____
 Other drugs _____
 Other therapeutic or diagnostic maneuvers _____

Weight _____

Which expression reflects more the one of the child at the entrance?

Which expression reflects more the one of the child after 1 hour?



Appendix 2: comparison of demographic and clinical characteristics of children with severe and less severe discomfort.

Characteristic	Important Discomfort	Not important discomfort	P
Age (n;%)			
0-24	15 (62,5%)	94 (63,5%)	0,9
25-36	1 (4,2%)	12 (8,2%)	
>37	8 (33,3%)	42 (28,4%)	
Sex (n;%)			
F	10 (41,7%)	71(48,0%)	0,6
M	14 (58,3%)	77(52,0%)	
Ethnic group (n;%)			
Caucasian	22 (91,7%)	126 (85,2%)	0,4
Afro-American	1 (4,2%)	6 (4,1%)	
Asian	1 (4,2%)	6 (4,1%)	
South-American	0 (0,0%)	10 (6,8%)	
Body temperature at T0 (°C)			
Median °C	39	38,8	0,4
IQR °C	38,5-39,9	38,3-39,3	
Body temperature at T60 (°C)			
Median °C	36,8	36,8	0,3
IQR °C	36,3-37,3	36,4-37,5	
Variation of body temperature			
Median °C	1,9	2	0,2
IQR °C	1,1-2,5	1,5-2,4	
Children with/without fever (n;%)			
Without fever	20 (83,3%)	137 (92,6%)	0,1
With fever	4 (16,7%)	11 (7,4%)	
Admission diagnosis (n;%)			
Fever	18 (75%)	120 (81,1%)	0,5

Abdominal pain	3 (12,5%)	7 (4,7%)	
Convulsion	1 (4,2%)	6 (4,1%)	
Nausea/vomit	2 (8,3%)	5 (3,4%)	
Headache	0 (0,0%)	3 (2,0%)	
Dyspnea	0 (0,0%)	3 (2,0%)	
ORL disorder	0 (0,0%)	1 (0,7%)	
Ophthalmic disorder	0 (0,0%)	1 (0,7%)	
Suspected PIMS	0 (0,0%)	1 (0,7%)	
Stomatitis	0 (0,0%)	1 (0,7%)	
Discharge dimission (n;%)			
Viral infection/Infection of the upper airways	12 (45,8%)	84 (51,4%)	0,5
Urinary tract infection	2 (8,3%)	15 (10,1%)	
Convulsion	1 (4,2%)	7 (4,7%)	
Gastroenteritis	2 (13,4%)	7 (4,8%)	
Acute otitis media	1 (4,2%)	6 (4,1%)	
Appendicopathy	0 (0,0%)	4 (2,7%)	
SARS-CoV-2 infection	2 (8,3%)	4 (2,7%)	
Mesenteric Lymphadenitis	1 (4,2%)	3 (2,0%)	
Stomatis	0 (0,0%)	3 (2,0%)	
Perianal abscesses	0 (0,0%)	2 (1,4%)	
Abdominal pain	1 (4,2%)	1 (0,7%)	
Pneumonia	0 (0,0%)	3 (5,1%)	
PIMS	0 (0,0%)	2 (1,4%)	
Athralgia	0 (0,0%)	1 (0,7%)	
Bronchiolitis	0 (0,0%)	1 (0,7%)	
Heahache	0 (0,0%)	1 (0,7%)	
Feet cellulitis	0 (0,0%)	1 (0,7%)	
Conjuntivitis	0 (0,0%)	1 (0,7%)	
Intussusception	0 (0,0%)	1 (0,7%)	
Esophageal duplication	0 (0,0%)	1 (0,7%)	

Encefalitis	0 (0,0%)	1 (0,7%)	
Stranguria	0 (0,0%)	1 (0,7%)	
Outcome (n;%)			
Discharge	15 (62,5%)	86 (58,1%)	0,7
Brief intensive observation (BIO)	5 (20,8%)	31 (20,9%)	
Hospitalisation	4 (16,7%)	31 (20,9%)	

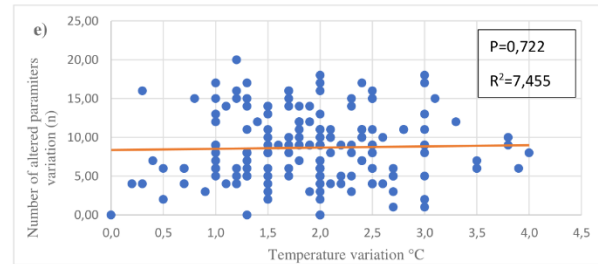
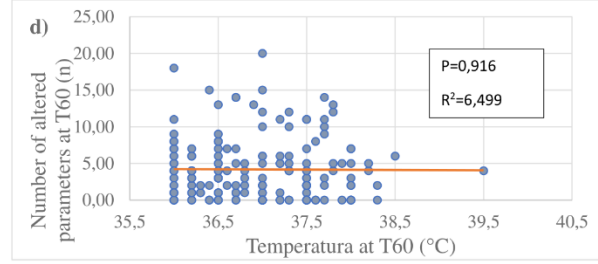
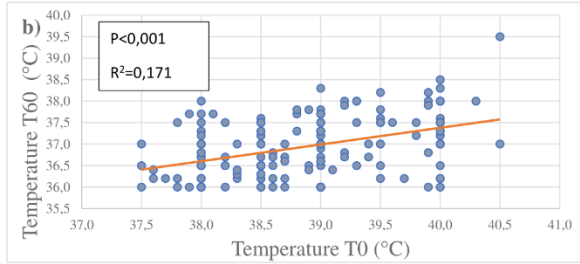
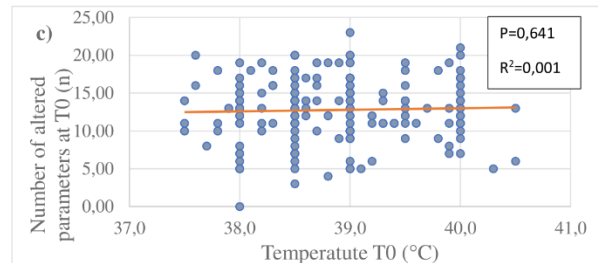
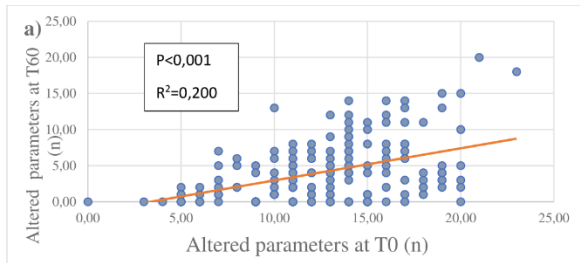
Appendix 3: comparison between demographic and clinical characteristics of children with and without fever.

Characteristic	Without fever	With fever	P
Age (n;%)			
0-24	100 (63,7%)	9 (60%)	0,8
25-36	10 (6,4%)	3 (20%)	
>37	47 (29,9%)	3 (20%)	
Sex (n; %)			
F	74 (47,1%)	7 (46,7%)	0,9
M	83 (52,9%)	8 (53,3%)	
Ethnic group (n; %)			
Caucasian	138 (87,9%)	10 (66,7%)	0,02
Afro-American	5 (3,2%)	1 (6,7%)	
Asian	5 (3,2%)	2 (13,3%)	
South-American	9 (5,7%)	2 (13,2%)	
Body temperature at T0 (°C)			
Median °C	38,7	39,9	<0,001
IQR °C	38,3-38,1	39,3-40	
Body temperature at T60 (°C)			
Median °C	36,8	38	
IQR °C	36,3-37,3	38-38,3	
Variation of body temperature			
Median °C	2	1,5	0,012
IQR °C	1,5-2,5	1,3-2,0	
Classes of discomfort T0 (n;%)			
0	0 (0,0%)	1 (6,7%)	
1-4	2 (1,3%)	0 (0.0%)	
5-8	18(11,5%)	5 (33,3%)	0,02
9-12	51 (32,5%)	2 (13,3%)	
>13	86 (54,8%)	7 (46,7%)	0,5

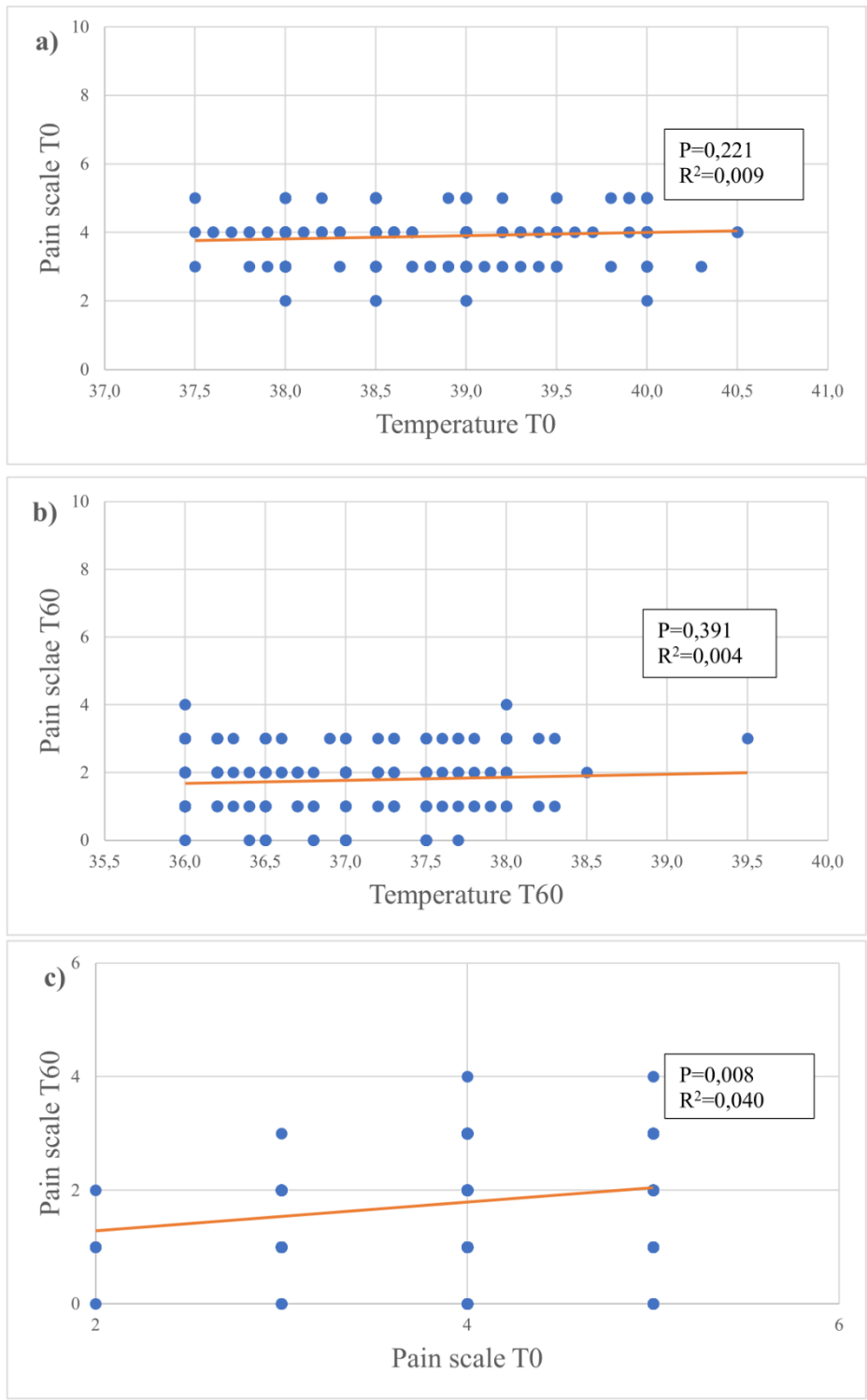
Classes of discomfort T60 (n;%)			
0	34 (21,7%)	4 (26,7%)	
1-4	63 (40,1%)	6 (40,0%)	0,9
5-8	36 (22,9%)	5 (33,3%)	0,4
9-12	14 (8,9%)	0 (0,0%)	
>13	10 (6,4%)	0 (0,0%)	
Admission diagnosis (n:%)			
Fever	124 (78,9%)	14 (93,3%)	0,2
Abdominal pain	9 (5,8%)	1 (6,7%)	
Convulsion	7 (4,5%)	0 (0,0%)	
Nausea/vomit	7 (4,4%)	0 (0,0%)	
Headache	3 (1,9%)	0 (0,0%)	
Dyspnea	3 (1,9%)	0 (0,0%)	
ORL disorder	1 (1,9%)	0 (0,0%)	
Ophtalmic disorder	1 (0,6%)	0 (0,0%)	
Suspected PIMS	1 (0,6%)	0 (0,0%)	
Stomatitis	1 (0,6%)	0 (0,0%)	
Discharge dimission (n:%)			
Viral infection/Infection of the upper airways	85 (50,8%)	10 (70,5%)	0,3
Urinary tract infection	16 (10,2%)	1 (6,7%)	
Convulsion	7 (4,5%)	1 (6,7%)	
Gastroenteritis	7 (4,5%)	2 (13,4%)	
Acute otitis media	7 (4,5%)	0 (0,0%)	
Appendicopathy	6 (3,8%)	0 (0,0%)	
SARS-CoV-2 infection	5 (3,2%)	0 (0,0%)	
Mesenteric Lymphadenitis	3 (1,9%)	0 (0,0%)	
Stomatitis	2 (1,3%)	1 (6,7%)	
Perianal abscesses	2 (1,3%)	0 (0,0%)	
Abdominal pain	2 (1,3%)	0 (0,0%)	

Pneumonia	8 (1,9%)	0 (0,0%)	
PIMS	2 (1,3%)	0 (0,0%)	
Athralgia	1 (0,6%)	0 (0,0%)	
Bronchiolitis	1 (0,6%)	0 (0,0%)	
Heahache	1 (0,6%)	0 (0,0%)	
Feet cellulitis	1 (0,6%)	0 (0,0%)	
Conjiuntivitis	1 (0,6%)	0 (0,0%)	
Intussusception	1 (0,6%)	0 (0,0%)	
Esophageal duplication	1 (0,6%)	0 (0,0%)	
Encefalitis	1 (0,6%)	0 (0,0%)	
Stranguria	1 (0,6%)	0 (0,0%)	
Outcome (n;%)			
Discharge	95 (60,5%)	6 (40,0%)	0,1
Brief intensive observation (BIO)	31 (19,7%)	5 (33,3%)	
Hospitalisation	31 (19,7%)	4 (26,7%)	

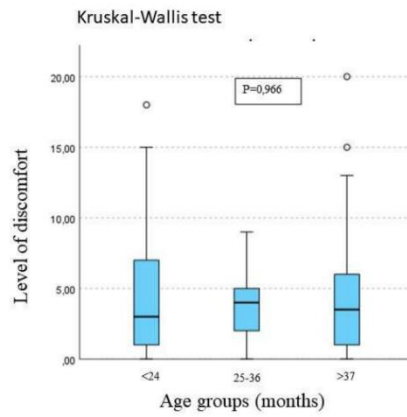
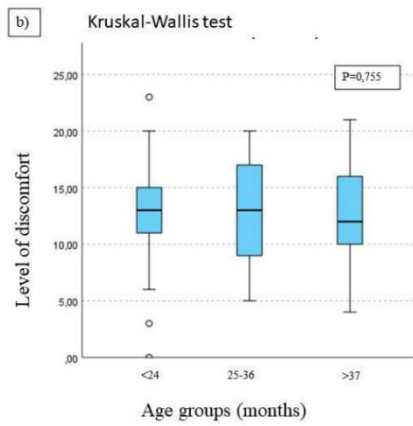
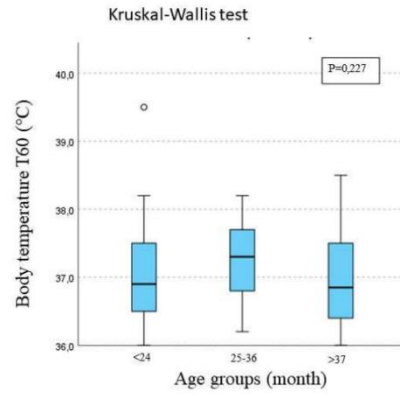
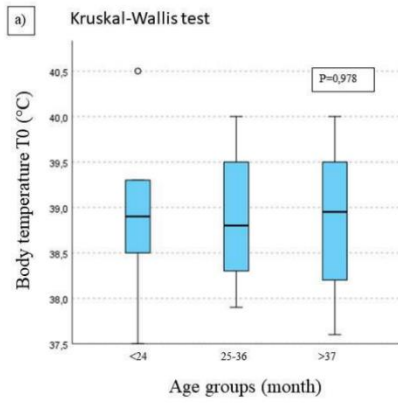
Appendix 4: correlation between a) altered items at T0 and T60, b) body temperature at T0 and T60, c) altered items and body temperature at T0, d) altered items and body temperature at T60, e) difference between number of altered items at T0 and T60 and temperature difference at T0 and T60.



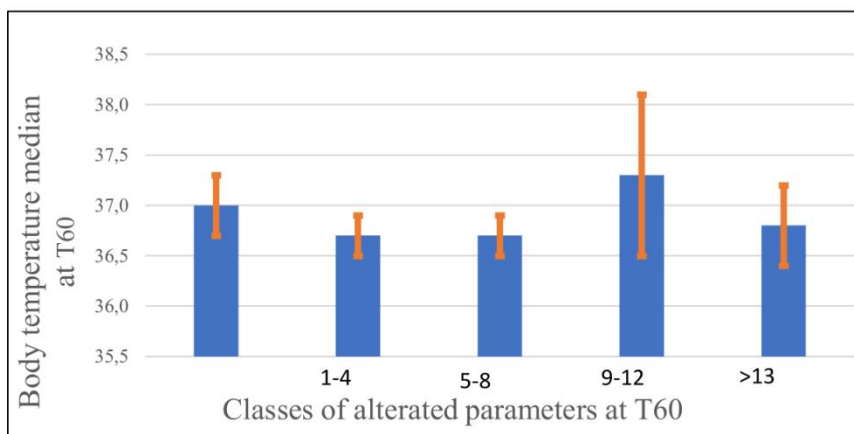
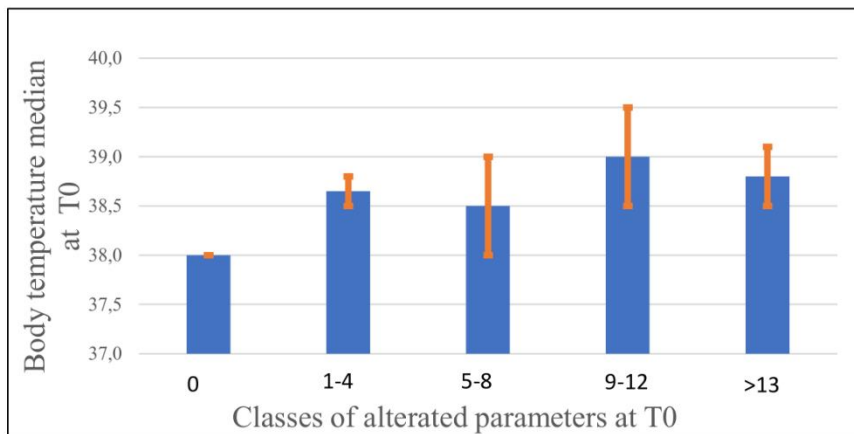
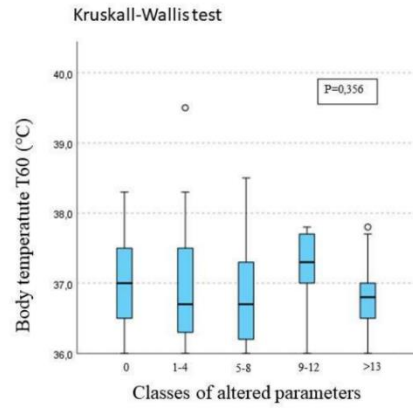
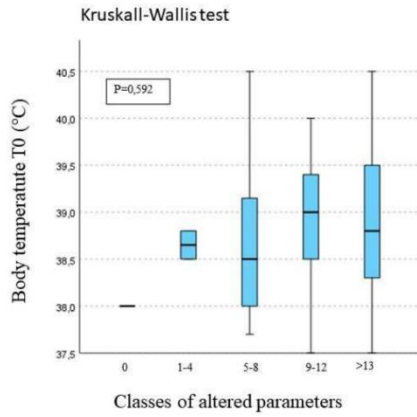
Appendix 5: correlation between, a) pain scale and body temperature at T0, b) pain scale and body temperature at T60 c) pain scale at T0 and T60



Appendix 6: a) correlation between age groups and a) body temperature at T0 and T60, b) level of discomfort (expressed as the number of altered items) at T0 and T60.



Appendix 7: correlation between classes of altered items and body temperature at T0 and T60.



Appendix 8: demographic and clinical characteristics of children with SARS-Cov-2 and PIMS infection

Characteristic	Children	
Sex (n; %)		
M	3	43
F	4	57
Ege (months)		
0-24	6	86
25-36	0	0
>37	1	14
Median	1	
IQR	0,5-3,5	
Ethnic group (n;%)		
Caucasian	6	86
Afro-American	0	0
Asian	1	14
South-American	0	0
Body temperature at T0 °C		
Median (°C)	38,2	
IQR (°C)	38,1-38,8	
Body temperature at T60°C		
Median (°C)	36,5	
IQR (°C)	36,0-37,4	
Variation of body temperature °C		
Median	1,8	
IQR	1,4-2,3	
Class of discomfort at T0 (n; %)		
0	0	0
1-4	0	0
5-8	2	29

9-12	2	29
>13	3	43
Class of discomfort at T60 (n; %)		
0	0	0
1-4	5	71
5-8	2	29
9-12	0	0
>13	0	0
Children with/without fever (n;%)		
Without fever	7	100%
With fever	0	0%
Admission diagnosis (n; %)		
Fever	5	71
Suspected PIMS	2	29
Discharge dimission (n; %)		
PIMS	2	29
Sars-Cov-2 infection	5	71
Outcome (n; %)		
Discharge	2	29
Brief intensive observation (BIO)	0	0
Hospitalisation	5	71