Supplemental Digital Content 1. Table: Epidemiological and clinical characteristics by PICU admission.

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| Characteristics | PICU admission | | p |
| Yes (n=30) | No (n=71) |  |
| Age, median (interquartile range) | 9.3 (6.5-12.4) | 9.4 (1.4-12.3) | 0.328 |
| Age group, n (%)  <2  2-10  >10 | 4(13.3)  12(40.0)  14(46.7) | 21(29.6)  16(22.5)  34(47.9) | 0.102 |
| Sex, n (%)  Male  Female | 17(56.7)  13(43.3) | 41 (57.8)  30(42.3) | 0.920 |
| Immunosuppressive therapy n (%) | 3 (10.0) | 7 (9.9) | 0.983 |
| Underlying medical condition n (%)  Cardiac  Gastrointestinal  Hematologic  Nephropathy  Neurologic  Oncologic  Rheumatic  Preterm birth  Psychiatric  Respiratory  Other | 10 (33.33)  2 (6.67)  1 (3.3)  1 (3.3)  0 (0)  1 (3.3)  2 (6.67)  0 (0)  0 (0)  0 (0)  2 (6.67)  0 (0) | 23 (32.39)  1 (1.41)  2 (2.82)  3 (4.23)  2 (2.82)  2 (2.82)  4 (5.63)  1 (1.41)  1 (1.41)  4 (5.63)  1 (1.41)  2 (2.82) | 0.927 |
| Reason for admission n (%)  Non clinical  Clinical  -Respiratory  -Bacteriemia/Sepsis  -Cardiocirculatory(myocarditis)  -MIS-C  -Protracted fever  -Neurologic  -Digestive  -Others | 2 (6.7)  28 (93.3)  5 (16.67)  8 (26.67)  5 (16.67)  7 (23.33)  0 (0)  3 (10)  0 (0)  0 (0) | 24 (33.8)  47(66.2)  25 (35.21)  1 (1.41)  0  4 (5.63)  8 (11.27)  3 (4.23)  5 (7.04)  1 (1.41) | <0.001 |
| Length of stay median (interquartile range) | N=28  10.5 (8.0-18.5) | N=66  4.0 (2.0 -7.0) | <0.001\* |
| Initial symptom n (%)  -Gastrointestinal | 3 (10.0) | 11 (15.7) | 0.450 |
| Gastrointestinal symptoms n (%)  - Abdominal pain  -Nausea/ vomiting  -Diarrhea  -At least one of the previous | 16 (53.3)  18 (60.0)  16 (53.3)  23 (76.7) | 19 (26.8)  17 (23.9)  17 (23.9)  35 (49.3) | 0.010  0.001  0.004  0.011 |
| Extraintestinal symptoms n (%)  -Fever  -Respiratory  -Headache  -Odynophagia  -Myalgia  -Skin rash  -Anosmia | 27(90.0)  17(56.7)  10(33.3)  2(6.7)  6(20.0)  7(23.3)  1(3.3) | 55(77.5)  43(60.6)  7(9.9)  5(7.0)  4(5.6)  4(5.6)  3(4.2) | 0.141  0.716  0.004  0.946  0.027  0.009  0.834 |
| Laboratory values median (interquartile range)  -Lymphocytes (cells/uL)  -Platelets x109/L)  -AST (UI/L)  -ALT (UI/L)  -GGT (UI/L)  -Alkalyne Phosphatase (UI/L)  -Total protein (g/dl)  -Albumin (g/dl)  -Total Bilirubin(mg/dl)  -Direct Bilirrubin (mg/dl)  -LDH (UI/L)  -Ferritin (ng/ml)  -CRP (mg/dl)  -PCT (ng/ml) | N=30; 900(410-2300)  N=30; 173(96-248)  N=29; 41 (29-59)  N=29 ;27 (14-38)  N=28 ;35 (15-67)  N=27; 131 (96-190)  N=28; 6.1 (5.5-6.4)  N=28; 3.3 (2.8-3.5)  N=26; 0.5 (0.39-0.80)  N=7; 0.37 (0.27-0.60)  N=28; 327 (275-398)  N=24; 562 (232-1313)  N=25; 17.7 (2.5-29.6)  N=24; 2.01 (0.25-5.95) | N=64; 2100(1025-3400)  N=63; 256(167-356)  N=47; 28 (21-39)  N=50; 20 (14-44)  N=33; 19 (13-41)  N=28; 155 (105-231)  N=30; 6.8 (6.2-7.3)  N=32; 4.2 (3.8-4.5)  N=28; 0.5 (0.30-0.61)  N=9; 0.30 (0.12-0.44)  N=41; 305 (213-372)  N=24; 143 (82-346)  N=53; 1.9 (0.5-15.9)  N=35; 0.17 (0.09-0.50) | 0.077  0.011  0.004\*  0.439\*  0.123\*  0.381\*  0.003  <0.001  0.228\*  0.488\*  0.105\*  0.007\*  0.002  0.007\* |

Abbreviatures: PICU: Pediatric Intensive Care Unit, MIS-C: Multisystem inflammatory syndrome in children.

\*Non parametric test Mann Whitney-Wilcoxson test.