

**Supplemental Digital Content 1.** Baseline characteristics of patients with Kawasaki disease and control subjects

|                                 | HC                    | FC                          | KD                               | <i>p</i> |
|---------------------------------|-----------------------|-----------------------------|----------------------------------|----------|
| n                               | 43                    | 40                          | 120                              |          |
| Male, n (%)                     | 28 (65)               | 22 (55)                     | 72 (60)                          | 0.642    |
| <sup>2</sup> Age(months)        | 22.0 (24.0 - 34.0)    | 20.0(10.3 – 35.3)           | 24.0 (13.0 - 39.0)               | 0.263    |
| <sup>2</sup> IL - 6(pg/mL)      | 6.7(0.7 - 15.9)       | -                           | 319.9(96.9 - 696.2)              | < 0.001  |
| <sup>2</sup> SDC - 1(ng/mL)     | 2.8 (2.2 - 3.8)*      | 4.7(3.5 – 5.7) <sup>§</sup> | 5.3 (4.6 - 7.1) <sup>#</sup>     | < 0.001  |
| <sup>2</sup> Resistin ( ng/mL ) | 1.9 (1.1 - 2.4)       | -                           | 7.6(4.5 - 13.6)                  | < 0.001  |
| <sup>2</sup> sICAM-1 ( ng /mL ) | 372.5(334.9 - 493.9)  | -                           | 609.8(447.5 - 849.4)             | < 0.001  |
| <sup>1</sup> Total protein(g/L) | 61.4±3.6*             | 66.6±3.5 <sup>§</sup>       | 56.4±6.2 <sup>#</sup>            | < 0.001  |
| <sup>1</sup> Albumin(g/L)       | 46.5±2.5*             | 44.6±2.7 <sup>§</sup>       | 36±4.7 <sup>#</sup>              | < 0.001  |
| <sup>2</sup> ALT(U/L)           | 21.2(18.1 - 27.3)*    | 18.4(12.5 – 26.1)           | 34.5(15.5 - 87.9) <sup>#</sup>   | 0.001    |
| <sup>2</sup> LDH(U/L)           | 303.0(267.7 - 337.3)* | 306.0 ( 284.7 – 348.5 )     | 133.5(45.3 - 273.2) <sup>#</sup> | < 0.001  |
| <sup>2</sup> Kalium(mmol/L)     | 4.8 (4.4 - 5.0)*      | 4.5(4.3 – 4.9) <sup>§</sup> | 4.1(3.7 - 4.5) <sup>#</sup>      | < 0.001  |
| <sup>1</sup> Sodium(mmol/L)     | 142.7±4.4*            | 140.3±2.3 <sup>§</sup>      | 137.8±3.1 <sup>#</sup>           | < 0.001  |
| <sup>1</sup> WBC(103/μL)        | 8.8±2.3*              | 9±4.7                       | 15.5±5.5 <sup>#</sup>            | < 0.001  |
| <sup>1</sup> Platelet(103/μL)   | 321±76*               | 298±105                     | 382±129 <sup>#</sup>             | < 0.001  |
| <sup>1</sup> RBC(106/μL)        | 4.6±0.3*              | 4.7±0.4                     | 4.1±0.5 <sup>#</sup>             | < 0.001  |
| <sup>1</sup> Hemoglobin(g/dL)   | 118±11*               | 124±12 <sup>§</sup>         | 106±12 <sup>#</sup>              | < 0.001  |
| <sup>1</sup> Hematocrit(%)      | 36.2±2.8*             | 36.9±6.9                    | 32.2±3.6 <sup>#</sup>            | < 0.001  |
| <sup>2</sup> RDW(%)             | 13.1(12.8 - 13.9)*    | 13.5(12.7 – 14.5)           | 13.6(13.2 - 14.3)                | 0.028    |
| <sup>2</sup> CRP(mg/L)          | 3(2 - 4)*             | 3 ( 2 - 17 )                | 59(27.25 - 94.75) <sup>#</sup>   | < 0.001  |

<sup>1</sup>Normal distribution data are presented as means and standard deviation ( $\bar{X} \pm SD$ ) and are analyzed by the use of ANOVA. <sup>2</sup>Non-normal distribution data are presented as medians with inter quartile range (IQR) and are analyzed by the use of Mann-Whitney U tests for two groups or Kruskal-Wallis tests for three groups.

HC group: One case was missing in analyzing kalium and sodium.

KD group: One case was missing in analyzing IL – 6, SDC – 1, resistin, hematocrit, RDW. Three cases were missing in analyzing ALT. Four cases

were missing in analyzing sICAM-1, kalium. Five cases were missing in analyzing total protein, albumin, sodium. Six cases were missing in analyzing LDH.

Abbreviations: HC, health controls; FC, febrile controls; KD, Kawasaki disease; M, male; F, female; IL-6, interleukin-6; SDC-1, syndecan-1; sICAM-1, soluble cell adhesion molecules-1; ALT, alanine aminotransferase; AST, aspartate aminotransferase; LDH, lactic dehydrogenase; WBC, white blood cells counts; RBC, red blood cells counts; RDW, red cell distribution width; CRP, C-reactive protein.

\*  $p$  value of  $<0.05$  is for the comparison between HC and KD.

#  $p$  value of  $<0.05$  is for the comparison between FC and KD.

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