

Dengue Fever, Tokyo, Japan, 2014

Technical Appendix

Appendix Table. Clinical and laboratory values for 19 patients with dengue fever, Tokyo, Japan, August 26, 2014–September 22, 2014

| Case | age | sex | underlying illness / past history | date of first presentation to NCGM | date of onset | days from onset to first presentation | date of exposure | estimated incubation period | presumptive exposure place | travel history of overseas | Clinical Symptoms | | | | | | | | | | | Laboratory Findings at the first presentation | | | | | | | | ELISA | | | RT-PCR (RNA copies/ml) | |
|------|-----|-----|-----------------------------------|------------------------------------|---------------|---------------------------------------|------------------|-----------------------------|----------------------------|----------------------------|-------------------|-------------------------------------|----------|------------|---------|--------|-------|----------|--------------------------------|------------------------|-------------|-----------------------------------------------|--------|-------------------------|--------|----------------------------|------------|------------|------------|-------------|--------------|--------------|------------------------|----------------|
| | | | | | | | | | | | fever | duration of fever above 38°C (days) | headache | arthralgia | myalgia | nausea | vomit | diarrhea | rash at the first presentation | rash during the course | sore throat | cough | sputum | WBC (/mm ³) | Ht (%) | Plt (×10 ⁴ /μL) | AST (IU/L) | ALT (IU/L) | LDH (IU/L) | CRP (mg/dl) | NS1 | IgM | | IgG |
| 1 | 16 | M | - | 8/26 | 8/18 | 8 | unknown | NA | Yoyogi Park | - | + | 9 | + | - | - | + | + | - | + | + | + | + | + | 2600 | 44.5 | 9.2 | 65 | 186 | 330 | 0.50 | 7.9 | 7.0 | 2.7 | DENV-1 (1.7E5) |
| 2 | 23 | M | - | 8/27 | 8/24 | 3 | unknown | NA | Yoyogi Park | - | + | 6 | + | + | + | + | - | - | - | + | - | - | 2530 | 50.1 | 11.5 | 27 | 16 | 224 | 0.84 | 8.0 | 0.61 | 0.55 | DENV-1 (5.1E8) | |
| 3 | 34 | F | - | 8/29 | 8/23 | 6 | 8/16 | 8 | Yoyogi Park | - | + | 7 | - | - | - | + | - | - | - | + | - | - | 1190 | 41.6 | 7.0 | 29 | 23 | 230 | 0.04 | 17 | 2.5 | 1.7 | DENV-1 (2.9E5) | |
| 4 | 56 | M | - | 8/29 | 8/25 | 4 | unknown | NA | Yoyogi Park | - | + | 6 | + | - | - | - | - | - | - | + | - | - | 1200 | 41.7 | 8.8 | 42 | 28 | 236 | 0.15 | 17 | 1.5 | 1.6 | DENV-1 (3.1E8) | |
| 5 | 20 | M | - | 8/29 | 8/25 | 4 | 8/19-20 | NA | Yoyogi Park | - | + | 7 | + | - | + | - | - | - | - | + | - | - | 2030 | 42.1 | 11.1 | 38 | 22 | NA | 0.61 | 7.9 | 2.5 | 1.8 | DENV-1 (1.6E6) | |
| 6 | 48 | F | - | 8/29 | 8/29 | 0 | unknown | NA | Yoyogi Park | - | + | 6 | + | + | + | - | - | - | - | + | - | - | 5470 | 38.3 | 14.4 | 20 | 14 | NA | 0.12 | 17 | 0.45 | 0.28 | DENV-1 (3.1E8) | |
| 7 | 55 | M | HT | 9/1 | 8/30 | 2 | unknown | NA | Yoyogi Park | - | + | 9 | + | + | + | - | - | - | + | + | - | - | 3100 | 42.7 | 11.3 | 50 | 48 | 216 | 3.35 | 8.0 | 0.72 | 0.18 | DENV-1 (1.2E10) | |
| 8 | 42 | F | - | 9/1 | 8/31 | 1 | unknown | NA | Yoyogi Park | - | + | 6 | + | + | - | - | - | - | - | - | - | - | 3590 | 36.6 | 13.7 | 20 | 13 | 210 | 3.37 | 8.0 | 0.75 | 0.20 | DENV-1 (1.9E9) | |
| 9 | 28 | F | - | 9/2 | 9/1 | 1 | 8/28 | 4 | Yoyogi Park | - | + | 7 | + | + | + | - | - | - | - | - | - | + | - | 5550 | 37.5 | 17.9 | 23 | 17 | 144 | 2.37 | 7.9 | 0.49 | 0.58 | DENV-1 (9.6E8) |
| 10 | 64 | M | HT | 9/4 | 9/1 | 3 | 8/29 | 3 | Meijijingu Gaien | - | + | 7 | + | + | - | - | - | - | + | - | - | - | 2580 | 41.8 | 15.5 | 37 | 23 | NA | 1.93 | 9.3 | 0.61 | 0.23 | DENV-1 (3.0E9) | |
| 11 | 46 | M | - | 9/4 | 8/12 | 24 | 8/7-10 | NA | Yoyogi Park | - | + | NA | + | - | - | - | - | - | - | + | - | - | 3630 | 50.7 | 6.3 | 126 | 82 | 466 | 0.17 | 0.18 | 12 | 2.8 | negative | |
| 12 | 6 | M | asthma | 9/5 | 9/1 | 4 | 8/26 | 6 | Yoyogi Park | - | + | 5 | - | - | - | - | - | - | - | + | - | + | - | 2600 | 36.8 | 22.0 | 35 | 12 | 233 | 1.28 | not examined | not examined | not examined | DENV-1 |
| 13 | 20 | F | - | 9/6 | 9/5 | 1 | 8/27 | 9 | Yoyogi Park | - | + | 11 | + | - | + | - | - | - | - | + | - | - | 3490 | 34.4 | 15.9 | 19 | 10 | 153 | 1.13 | 8.0 | 0.53 | 0.47 | DENV-1 (4.2E8) | |
| 14 | 51 | F | - | 9/6 | 9/5 | 1 | unknown | NA | Yoyogi Park | - | + | 7 | + | - | + | - | - | - | - | + | - | - | 3120 | 38.7 | 14.2 | 25 | 14 | 165 | 3.50 | 7.9 | 0.69 | 0.14 | DENV-1 (1.9E9) | |
| 15 | 28 | F | - | 9/9 | 9/8 | 1 | 9/2 | 6 | Meiji Jingu Shine | - | + | 6 | + | - | - | - | - | - | - | + | - | - | 2450 | 42.4 | 15.6 | 18 | 10 | 118 | 1.04 | 7.9 | 0.58 | 0.25 | DENV-1 (2.2E9) | |
| 16 | 33 | M | - | 9/11 | 9/5 | 6 | 9/2 | 3 | Yoyogi Park | - | + | 4 | + | + | - | - | - | - | - | + | + | - | 2400 | 43.9 | 5.7 | 85 | 92 | 368 | 0.27 | 8.0 | 3.9 | 0.94 | DENV-1 (5.1E4) | |
| 17 | 23 | F | - | 9/14 | 9/7 | 7 | unknown | NA | Shinjuku Central Park | - | + | 7 | + | - | - | + | + | - | - | + | + | - | 2370 | 44.0 | 4.2 | 201 | 103 | 647 | 0.26 | 8.0 | 4.3 | 2.6 | DENV-1 (5.0E6) | |
| 18 | 23 | F | - | 9/17 | 9/13 | 4 | 9/7 | 6 | Ueno Park | - | + | 7 | + | - | - | + | - | - | - | + | - | - | 1450 | 41.6 | 6.5 | 40 | 20 | 337 | 0.14 | 13 | 2.4 | 1.2 | DENV-1 | |

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|------|-----|-----|-----------------------------------|------------------------------------|---------------|---------------------------------------|------------------|-----------------------------|----------------------------|----------------------------|-------------------|-------------------------------------|----------|------------|---------|--------|-------|----------|--------------------------------|------------------------|-------------|-----------------------------------------------|--------|-------------------------|--------|----------------------------|------------|------------|------------|-------------|-----|------------------------|-----|--------|
| | | | | | | | | | | | fever | duration of fever above 38°C (days) | headache | arthralgia | myalgia | nausea | vomit | diarrhea | rash at the first presentation | rash during the course | sore throat | cough | sputum | WBC (/mm ³) | Ht (%) | Plt (×10 ⁴ /μL) | AST (IU/L) | ALT (IU/L) | LDH (IU/L) | CRP (mg/dl) | NS1 | | IgM | IgG |
| 19 | 44 | M | dengue fever | 9/19 | 9/13 | 7 | 9/4 | 9 | Yoyogi Park | - | + | 7 | + | - | - | - | - | + | - | - | - | + | - | 4000 | 43.1 | 14.5 | 19 | 12 | 166 | 0.27 | 6.7 | 0.9 | 2.7 | DENV-1 |

M: Male, F: Female, NA: Not Available, HT: Hypertension, DENV: Dengue Virus, WBC: White Blood Cells(standard value; 3500-8500/mm³), Ht: Hematocrit(Male: 40-50%, Female 35-45%), Plt: Platelet(150-350 × 10⁹/L), AST: Aspartate Transaminase(13-33 IU/L), ALT: Alanine Transaminase(8-42 IU/L), LDH: Lactate Dehydrogenase(119-229 IU/L), CRP: C-reactive Protein(0-0.3 mg/dl), ELISA: Enzyme-Linked ImmunoSorbent Assay, NS1: The Non-Structural Protein 1 Antigen, IgM: Immunoglobulin M, IgG: Immunoglobulin G, RT-PCR: Real-Time Polymerase Chain Reaction
Abnormal values are bolded.