## Technical Appendix

**Possible Cause of Liver Failure in Patient with Dengue Shock Syndrome**

### Technical Appendix Table

Serial clinical and laboratory data for patient with liver failure and dengue shock syndrome.

| Parameter | 3–4 | 4–5 | 5–6† | 6–7 | 7–8 | 8–9† | 9–10 | 10–11 |
|-----------|-----|-----|------|-----|-----|------|------|-------|
| Heart rate | 101–130 | 100 | 90 | 100 | 100 | 100 | 110 | 100–70 |
| BP, mm Hg‡ | | | | | | | | |
| Systolic | 80–155 | 81–151 | 127–150 | 122–138 | 115–130 | 111–127 | 106–145 | 99–70 |
| Diastolic | 40–93 | 52–96 | 65–90 | 66–92 | 57–66 | 45–60 | 36–68 | 32–50 |
| Hematocrit | 48.2 | 24.6 | 30.7 | 33.6 | 27.8 | 26.9 | 28.7 | 24.1 |
| ALT | 2,775 | 4,490 | 4,720 | 3,998 | 2,011 | 1,723 | 1,725 | 543 |
| AST | 3,507 | 11,660 | >7,000 | 8,440 | 4,082 | 3,099 | 2,600 | 968 |
| Bilirubin | | | | | | | | |
| Total | 6.9 | 9.7 | 12.2 | 21.6 | 24.1 | 34.8 | 32.1 | 23.8 |
| Direct | 3.9 | 5.5 | 6.3 | 12.1 | 14.2 | 18.4 | 18.0 | 14.1 |
| PT, INR | 3.4 | 2.4 | 2.4 | NA | 2.3 | 2.3 | 2.3 | NA |

‡BP, blood pressure; ALT, alanine transaminase; AST, aspartate transaminase; PT, prothrombin time; INR, international normalized ratio; NA, not available.

†Dates when liver ultrasonography (Figure) was performed.

††1 episode of BP 81–85/52–54 mm Hg occurred for 15 minutes, 12 hours after hospital admission; otherwise, the lowest systolic BP was 108 mm Hg.