KAWASAKI (Mucocutaneous lymph node syndrome)

1. **Agent:** Unknown. Epidemiology suggests an infectious agent.

2. **Identification:**
   - **Symptoms:** Occurs primarily in children under 5 years of age. Characterized by fever, conjunctivitis, cracked lips, "strawberry" tongue, reddening and swelling of the hands and feet, rash, and cervical lymphadenopathy (see Diagnosis, below). Acute phase lasts about 2 weeks. Cardiac complications develop in about 20% of untreated cases. The case fatality rate is 0.5-1.0% and results from coronary artery thrombosis.
   
   a. **Differential Diagnosis:** Systemic staphylococcal and streptococcal infections such as scarlet fever, childhood viral exanthems (differential diagnosis of exanthems in Appendix A), Rocky Mountain spotted fever, leptospirosis, meningococcemia, and drug reactions.

   b. **Diagnosis:** Diagnostic criteria are exclusively clinical and include a fever lasting 5 or more days and at least 4 of the following 5 criteria:
      - bilateral conjunctival injection
      - at least one of the following: injected or fissured lips, injected pharynx, or "strawberry tongue"
      - at least one of the following changes in the extremities: erythema of palms or soles; edema of the hands or feet; generalized or periungual desquamation.
      - rash
      - cervical lymphadenopathy (at least one lymph node ≥1.5 cm in diameter)

3. **Incubation:** Unknown.

4. **Reservoir:** Unknown.

5. **Source:** Unknown.

6. **Transmission:** Unknown.

7. **Communicability:** No evidence for transmission from person to person.

8. **Specific Treatment:** Aspirin and intravenous immune globulin (IVIG).

9. **Immunity:** Unknown.

**REPORTING PROCEDURES**

1. Reportable. (Title 17, Section 2500, California Code of Regulations). Copy of CMR should be forwarded to ACDC, who will then contact physician or infection control nurse to request completion of State report form.

2. **Report Form:** KAWASAKI SYNDROME CASE REPORTING (DHS 8468, 7/04 fillable). ACDC to complete form. Form also available at:
   
   http://www.publichealth.lacounty.gov/acd/EpiForms/Kawasaki-DHS%208468.pdf

3. **Epidemiologic Data:** Per State form.

**CONTROL OF CASE, CONTACTS & CARRIERS**

**CASE:** No restrictions.

**ISOLATION:** None.

**CONTACTS:** No restrictions.

**CARRIERS:** Not applicable.

**PREVENTION-EDUCATION**

Not applicable.

**DIAGNOSTIC PROCEDURES**

Diagnosis is exclusively by clinical criteria. Other causes, especially streptococcal infections, must be ruled out (negative throat culture).