**ROSEOLA (HHV6)**

**Prodrome:** Abrupt, high fever, cough, coryza, pharyngitis, irritability, malaise.

**Rash:** Maculopapular, nonpruritic. Begins on trunk, spreads to neck and proximal extremities. Rash onset AFTER fever subsides. Generally < 2 years.

* ~1-3 days

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**MEASLES**

**Transmission:** Airborne and droplet – highly contagious.

**Prodrome:** Fever, malaise. The 3 C’s: Cough, coryza, conjunctivitis. Koplik spots (white/blue/grey lesions on erythematous base) on buccal mucosa.

**Rash:** Maculopapular, nonpruritic. Begins on face and spreads to trunk and extremities. Spreads from head down. Incubation period: 6-21 days. Contagious period: From 5 days before appearance of rash to 4 days afterward. Rash AND high-grade fever.

* ~7 days

**Complications:** Otitis media, pneumonia, croup, diarrhea, encephalitis, death.

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**RUBELLA**

**Prodrome:** Low-grade fever, pharyngitis, coryza, malaise, lymphadenopathy.

**Rash:** Maculopapular; +/- pruritic. Begins on face and spreads to neck, trunk, extremities. Forchheimer spots (pinpoint petechiae on soft palette). Incubation period: 14-28 days. Contagious period: From 1-2 weeks before appearance of rash 1-2 weeks afterwards. Rash AND low-grade fever.

* ~3 days

**Complications:** Thrombocytopenic purpura, otitis media, encephalitis. In pregnancy: congenital rubella syndrome.

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**CHICKENPOX (Varicella Zoster Virus)**

**Transmission:** Airborne and droplet – highly contagious

**Prodrome:** Fever, malaise, anorexia, headache.

**Rash:** Start as macules and progress to vesicles that crust over. +++pruritic. Begin on face, back, and stomach and progress to generalized. Lesions in different stages of healing. Incubation period: 10-21 days. Contagious period: 24-48 hours before rash erupts, lasting until lesions are crusted over.

* ~1-2 weeks

**Complications:** Secondary bacterial infection, pneumonia, encephalitis, meningitis, myelitis, hepatitis, disseminated infection.

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**HAND-FOOT-and-MOUTH DISEASE (Coxsackie Virus)**

**Prodrome:** Fever, sore throat, malaise.

**Rash:** Flat pink macules on palms and soles, progressing to elongated grey blisters. Painful vesicles and ulcers on buccal mucosa and pharynx. Incubation period: 3-5 days. Contagious period: most contagious during first week of illness. Eczema coxsackium: widespread form in children with eczema. Generally < 5 years.

* ~7-10 days

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**ERYTHEMA INFEKTIOSUM (Parovirus B19)**

**Prodrome:** Fever, malaise, +/- myalgia, +/- headache.

**Rash:** “Slapped cheeks” - Firm, red, hot, cheeks (lasts 2-4 days). Followed by lacy reticulated eruption on the limbs and sometimes trunk (lasts 5-10 days). Incubation period: 5-15 days. Contagious period: Begins 5-10 days following exposure and lasts about 5 days. No longer contagious once rash is present.

* ~5-10 days

**Complications:** Arthritis, aplastic crisis in sickle cell disease, autoimmune hemolytic anemia, chronic infection in immunocompromised. In pregnancy: Fetal hydrops, intrauterine growth restriction, death.

* ~1-2 weeks

**HERPES SIMPLEX VIRUS 1**

**Primary infection:** Gingivostomatitis - often with perioral vesicular lesions. May have fever, restlessness, excessive drooling, lymphadenopathy. Can be contagious even in the absence of symptoms.

**Recurrent:** Painful oral/labial vesicles on an erythematous base that crust over. Oral lesions in neonate - consider disseminated infection.

**Complications:** Herpetic keratitis, pharyngitis, eczema herpeticum, erythema multiforme, disseminated infection, encephalitis.