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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Incident | Rate of transmission | CNS | Eye | Bone | Skin | Heart | Spleen and liver | Diagnosis | Treatment/  Prevention |
| toxoplasmosis | 1 to 8 per 1000 susceptible pregnancies | Infection (Transmission) rate higher with infection in 3rd trimester  Fetal death higher with infection in 1st trimester | -Intracranial  -calcifications (diffuse)  Hydrocephalus  CSF Pleocytosis or elevated CSF protein | Chorioretinitis |  |  |  |  | Culture  Serology  PCR | Spiramycin   Pyrimethamine and sulfadiazine  Screening |
| syphilis | 1.5% | Mother with primary or secondary syphilis  Typically occurs during second half of pregnancy | Pseudoparalysis | Persistent rhinitis | osteochondritis and periostitis | Maculopapular rash |  |  | Serology | Penicillin |
| rubella | Rare | first 12 wks 70% and 13-16 wks 20% and rare >16 wks of pregnancy | Sensorineural hearing loss | Cataracts, congenital glaucoma, pigmentary retinopathy | Radiolucent bone disease |  | Congenital heart disease PDA |  | Culture  Serology | Screening |
| cytomegalovirus | 2% | 0.5-2%  (0.2-1%)  Increased risk of transmission later in pregnancy but more severe sequalae associated with earlier acquisition | Periventricular intracranial calcifications  Microcephaly  Sensorineural hearing loss |  | Thrombocytopenia | Blueberry Muffin Rash |  | Hepatosplenomegaly | Culture  Serology | Gancyclovir |
| herpes simplex virus | Rare | Mostly intrapartum >90% | CSF pleocytosis | Conjunctivitis or keratoconjuctivitis | Thrombocytopenia | Mucocutaneous vesicles or scarring |  | Elevated liver transaminases | Culture  Serology  PCR | Acyclovir |
| varicella | Rare | First 20 weeks of Pregnancy |  |  | Limb hypoplasia | Cicatricial or vesicular skin lesions |  |  | Culture  Serology  PCR | Acyclovir |
| Parvovirus | Common | (1st 20 wks of pregnancy (12%). |  |  | Nonimmune hydrops fetalis |  |  |  | Serology  PCR | Transfusion |