

Recommended evaluation and long-term follow up for infants with possible congenital Zika virus infection*



Evaluation for all infants with positive or inconclusive Zika virus test results

- ◆ Thorough physical examination, including careful measurement of head circumference, length, weight, and assessment of gestational age
- ◆ Evaluation for neurologic abnormalities, dysmorphic features, enlarged liver or spleen, and rash/other skin lesions (including photographs of any rash, skin lesions, or dysmorphic features)[†]
- ◆ Cranial ultrasound (unless performed in the third trimester and clearly showed no brain abnormalities)
- ◆ Ophthalmologic evaluation (including retina) before hospital discharge or within 1 month after birth
- ◆ Evaluation of hearing by evoked otoacoustic emissions testing or auditory brainstem response testing before hospital discharge or within 1 month after birth
- ◆ Consultation with appropriate specialist for any abnormal findings

Additional evaluation for infants with positive or inconclusive Zika virus test results who have microcephaly or other findings consistent with congenital Zika virus infection

- ◆ Consultation with clinical geneticist or dysmorphologist
- ◆ Consultation with pediatric neurologist
- ◆ Testing for other congenital infections (such as cytomegalovirus, toxoplasmosis, and rubella); consider consultation with pediatric infectious disease specialist
- ◆ Complete blood count, platelet count, and liver function and enzyme tests
- ◆ Genetic or other teratogenic causes should be considered if additional anomalies are identified through history, clinical examination, or imaging studies

Long-term follow-up for infants with positive or inconclusive Zika virus test results

- ◆ Additional hearing screen at 6 months of age and audiology follow up of abnormal newborn hearing screening
- ◆ Continued evaluation of developmental characteristics and milestones, as well as head circumference, through first year of life
- ◆ Consultation with appropriate medical specialists (e.g., pediatric neurology, developmental and behavioral pediatrics, physical and speech therapy) if any abnormalities are noted and as concerns arise

* Refers to infants with positive or inconclusive Zika virus test results

[†] Informed consent may be required per institutional policy

