

# Module Seven

## Treatment Options & Resources for Staying Up to Date

American Academy of Pediatrics

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# LIMITATIONS

- Currently there is no cure for Zika virus syndrome.
- Specialists can manage specific abnormalities, but must do so in concert with each other and the primary care pediatrician.
- The following are select treatments....



# **OUTPATIENT MANAGEMENT OF INFANTS WITH LABORATORY EVIDENCE OF ZIKA VIRUS INFECTION AND ABNORMALITIES CONSISTENT WITH CONGENITAL ZIKA SYNDROME**

In addition to normal screening...

- A medical home should be established, and visits with primary care provider should occur monthly for at least the first 6 months of life.
- Refer to developmental specialist and early intervention services.
- Provide family and supportive services.



# CHILD DEVELOPMENT RESOURCES

- Early Intervention
- Bright Futures
- Developmental and Behavioral Pediatrics online
- CDC: Learn the Signs, Act Early
- CDC's hearing loss resources
- Birth to 5: Watch Me Thrive
- AAP Council on Children with Disabilities
- AAP's National Center for Medical Home Initiatives
- Family Voices; Family to Family Health Information Centers(F2F HIC)
- Parent Training and Information (PTI) Centers



# TITLE V RESOURCES

Administered through the Maternal and Child Health Bureau (MCHB) of the Health Resources and Services Administration, the Title V Maternal and Child Health (MCH) Block grant program is the oldest federal-state partnership in the country (started in 1935) and aims to improve the health and well-being of women, particularly mothers, and children.



# TITLE V RESOURCES

- Serves 40 million people, including 3.2 million children and youth with special health care needs
- AAP's National Center for Medical Home Initiatives works with states Title V programs to increase the percentage of children with and without special health care needs having a medical home



# NATIONAL CENTER FOR MEDICAL HOME INITIATIVES RESOURCES

- Access to usual source of care
  - Promising practices, webinar series, fact sheets
- Family-centered Care
  - Quality improvement project, “How-To” videos, monograph
- Obtaining needed referrals
  - Online resource guide tools for clinicians
- Care Coordination
  - National Center for Care Coordination Technical Assistance, webinar series, policy statement, webinar series



# FAMILY NETWORKS

Promoting Family Support through organizations like Family Voices and Parent2Parent for emotional & informational support for families of children who have special needs.





# TREATMENT FOR ARTHROGRYPOSIS

- Physical therapy and occupational therapy
- Splints and casts
- Surgery
- Ongoing care as they grow



# TREATMENT FOR HYPERTONIA

- Muscle relaxing drugs such as baclofen, diazepam, and dantrolene may be prescribed to reduce spasticity.
- Physical therapy



# TREATMENT FOR HYPERTONIA/SPASTICITY

A variety of treatments are used at the same time or are employed interchangeably.

Management options include the following:

- Preventative measures
- Therapeutic interventions (physical therapy, occupational therapy, hippotherapy, aquatics) and physical modalities (ultrasonography, electrical stimulation, biofeedback)
- Positioning/orthotics: Including taping, dynamic and static splints, wheelchairs, and standers
- Oral medications: Such as baclofen and dantrolene
- Injectable neurolytic medications: Botulinum toxins and phenol
- **Surgical intervention**



# TREATMENT FOR CUTIS GYRATA

- Good outcomes
- Surgery for cosmetic reasons



# TREATMENT FOR SEIZURES

Follow treatments for epilepsy and other seizure causing disorders:

- Medications
- Therapies



# CLINICAL GUIDANCE

Update: Interim Guidance for the Evaluation and Management of Infants with Possible Congenital Zika Virus Infection — United States, August 2016

<http://www.cdc.gov/mmwr/volumes/65/wr/mm6533e2.htm>

Additional Considerations for the Evaluation and Management of Infants with Possible Congenital Zika Virus Infection (April 2017)

<https://www.cdc.gov/zika/hc-providers/infants-children/evaluation-and-management.html>



# CLINICAL GUIDANCE

## Key Zika Considerations for Healthcare Settings

<http://www.cdc.gov/zika/pdfs/key-zika-considerations.pdf>

## Characteristics of Children Aged <18 Years with Zika Virus Disease Acquired Postnatally — U.S. States, January 2015–July 2016

[http://www.cdc.gov/mmwr/volumes/65/wr/mm6539e2.htm?s\\_cid=mm6539e2\\_w](http://www.cdc.gov/mmwr/volumes/65/wr/mm6539e2.htm?s_cid=mm6539e2_w)



# CLINICAL GUIDANCE

**Interim Guidance for Zika Virus Testing of Urine  
— United States, 2016**

[http://www.cdc.gov/mmwr/volumes/65/wr/mm6518e1.htm?s\\_cid=mm6518e1\\_w](http://www.cdc.gov/mmwr/volumes/65/wr/mm6518e1.htm?s_cid=mm6518e1_w)

**Update: Interim Guidance for Prevention of Sexual  
Transmission of Zika Virus — United States, 2016**

[http://www.cdc.gov/mmwr/volumes/65/wr/mm6512e3.htm?s\\_cid=mm6512e3\\_w](http://www.cdc.gov/mmwr/volumes/65/wr/mm6512e3.htm?s_cid=mm6512e3_w)





# CLINICAL GUIDANCE

Update: Interim Guidance for Health Care Providers Caring for Pregnant Women with Possible Zika Virus Exposure — United States, July 2016

[http://www.cdc.gov/mmwr/volumes/65/wr/mm6529e1.htm?s\\_cid=mm6529e1\\_w](http://www.cdc.gov/mmwr/volumes/65/wr/mm6529e1.htm?s_cid=mm6529e1_w)

Interim Guidance for Interpretation of Zika Virus Antibody Test Results

[http://www.cdc.gov/mmwr/volumes/65/wr/mm6521e1.htm?s\\_cid=mm6521e1\\_w](http://www.cdc.gov/mmwr/volumes/65/wr/mm6521e1.htm?s_cid=mm6521e1_w)



# RESOURCES FOR STAYING UP TO DATE

American Academy of Pediatrics

[www.aap.org/zika](http://www.aap.org/zika) and [www.aap.org/zikakey](http://www.aap.org/zikakey)

American College of Obstetrics and Gynecology

[www.acog.org/zika](http://www.acog.org/zika)

Centers for Disease Control and Prevention

[www.cdc.gov/zika](http://www.cdc.gov/zika)

Maternal and Child Health Bureau – HRSA

<https://www.hrsa.gov/zika/index.html>



# RESOURCES FOR STAYING UP TO DATE

## Family Resources:

Family Voices

[www.familyvoices.org](http://www.familyvoices.org)

March of Dimes

<http://www.marchofdimes.org/complications/zika-virus-and-pregnancy.aspx>

Center for Parent Information and Resources

<http://www.parentcenterhub.org/find-your-center/>

National Center for Family and Professional Partnerships

<http://www.fv-ncfpp.org/activities/zika-resources/>

Zero to Three

[www.zerotothree.com/zika](http://www.zerotothree.com/zika)

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# RESOURCES FOR STAYING UP TO DATE

## Psychosocial Support

### **AAP Zika Virus: Psychosocial Support Videos**

For clinicians: “Zika: Ten Tips for Pediatricians Supporting Families”

For families: “Pediatrician Advice for Families: Responding to your Concerns about Zika”  
(English/Spanish)

[www.aap.org/zika](http://www.aap.org/zika)

### **World Health Organization (WHO)**

Psychosocial support for pregnant women and for families with microcephaly and other neurological complications in the context of Zika virus: Interim guidance for health-care providers

<http://www.who.int/csr/resources/publications/zika/psychosocial-support/en/>

### **Substance Abuse and Mental Health Services Administration (SAMHSA)**

Behavioral health resources on Zika virus

[www.samhsa.gov/dtac/zika](http://www.samhsa.gov/dtac/zika)



# WHAT'S NEXT?

## Module Eight: Psychosocial Support

