# **Aligning Obstetric and Neonatal Care to Optimally Manage Neonates Exposed to Herpes Simplex Virus (HSV)**



### Introduction

## The risk of HSV transmission from mother to neonate is influenced by the maternal infection classification

- Primary vs. recurrent infection
- Genital lesion PCR/culture and HSV-1 and 2 serology

AAP recommendations in an asymptomatic neonate born to a mother with visible genital lesions:

- IV acyclovir should be started in the neonate if maternal HSV classification is unknown or is suggestive of primary infection.
- Acyclovir should not be started if maternal HSV classification is indicative of recurrent infection.

ACOG does not recommend routine HSV screening in pregnancy or routine antepartum genital HSV cultures.

Asymptomatic neonates are often born to mothers with non-classified HSV status, requiring unexpected NICU stays and treatment with acyclovir.



### **Case 1:**

- A 27-year-old and suspected cesarean sectio
- At the time of culture were no
- Due to unknov asymptomatic initiated.
- Maternal serol HSV-1.
- The neonate re maternal first-e

Send maternal type-s if test assa
At -24 hours of a HSV surface HSV blood CSF cell co Serum ALT Start IV acyclovir at
Determine mater
First-episode primar First-episode nonpri
Go to treatment algo
<b>Figure 1.</b> AAP all neonate born to n

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Case Reports	
G2P1001 with a history of positive HSV-2 IgG recurrent HSV genital lesions presented for on at 41 weeks. delivery, the lesions were crusting and PCR/viral ot obtained. wn maternal HSV-1 antibody status, the neonate was evaluated and empiric acyclovir was logy resulted positive for HSV-2 and negative for eceived 10 days of acyclovir for presumed episode nonprimary HSV-1 exposure.	Case 2: A 25-year-old G3P1102 with sulesions presented for cesarean se PCR/viral culture from the lesion The asymptomatic neonate was was initiated. Maternal HSV-1 and HSV-2 IgO indicative of recurrent infection The neonate received 3 days of first-episode nonprimary HSV e



lgorithm for the evaluation of an asymptomatic mothers with genital lesions characteristic of HSV.<sup>2</sup>

primary vs. recurrent HSV infection.<sup>3</sup>



### uspected primary HSV genital section at 39 weeks.

- ons were not obtained.
- evaluated and empiric acyclovir
- G antibodies resulted positive
- acyclovir for presumed maternal exposure.

acyclovir.

