# Wisconsin Newborn Screening for Severe Forms of Congenital Adrenal Hyperplasia (CAH) due to 21-Hydroxylase Deficiency

## GUIDELINES FOR PROPER FOLLOW UP OF 17-OHP RESULTS

<table>
<thead>
<tr>
<th>Birth Weight</th>
<th>17-OHP (ng/mL)</th>
<th>ACTION</th>
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</table>
| ≤ 1500g      | ≥ 125          | 1. Reexamine genitalia. If ambiguous or cryptorchid obtain **Endocrine Consult**.  
| (< 3lb 5oz)  |                | 2. Repeat 17-OHP test at two weeks of age.  
|              |                | a. Repeat Result ≥ 125 - **Obtain Urgent Endocrine Consult**.  
|              |                | b. Repeat Result < 125 - Repeat screen biweekly until < 63 ng/mL |
| 1501 – 2499g | 63 – 74        | 1. Reexamine genitalia. If ambiguous or cryptorchid obtain **Endocrine Consult**.  
| (3lb 5oz – 5lb 8oz) |                | 2. Repeat 17-OHP test at two weeks of age or at discharge.  
|              | ≥ 75           | a. Repeat Result ≥ 75 - **Obtain Urgent Endocrine Consult**.  
|              |                | b. Repeat Result 32 - 74 – Repeat screen biweekly until < 32 ng/mL |
| ≥ 2500g      | 32 – 44        | 1. Reexamine genitalia. If ambiguous or cryptorchid obtain **Endocrine Consult**.  
| (≥ 5lb 8oz)  | ≥ 45           | 2. Repeat 17-OHP test within two weeks.  
|              |                | a. Repeat Result ≥ 45 - **Obtain Urgent Endocrine Consult**.  
|              |                | b. Repeat Result 32 – 44 - Repeat newborn screen  
|              |                | i. 2\(^{\text{nd}}\) repeat ≥ 32 – **Obtain Endocrine Consult**.  
|              |                | 1. **Repeat Immediately.** Overnight delivery (FED EX, UPS, etc) to WSLH*  
|              |                | a. Repeat Result ≥ 75 - **Obtain Urgent Endocrine Consult**.  
|              |                | b. Repeat Result 32 – 74 - Repeat screen biweekly until < 32 ng/mL |

17-OHP = 17-α-hydroxyprogesterone  
WSLH = Wisconsin State Laboratory of Hygiene;  
Unit Conversion ng/ml = 100 ng/dL  
[Example: 90 ng/mL = 9000 ng/dL]

*If you need assistance locating a patient for follow up, please contact your local public health department.**

**WISCONSIN ENDOCRINE CONSULTANTS ARE LISTED ON FRONT OF REPORT.**


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