



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

Birth Weight	17-OHP (ng/mL) Initial result	ACTION
≤ 1500g (< 3lb 5oz)	≥ 125	<ol style="list-style-type: none"> 1. Reexamine genitalia. If ambiguous or cryptorchid obtain Endocrine Consult**. 2. Repeat 17-OHP test at two weeks of age. <ol style="list-style-type: none"> a. Repeat Result ≥ 125 – Obtain Urgent Endocrine Consult.** b. Repeat Result < 125 - Repeat screen biweekly until < 63 ng/mL
1501 – 2499g (3lb 5oz – 5lb 8oz)	63 – 74	<ol style="list-style-type: none"> 1. Reexamine genitalia. If ambiguous or cryptorchid obtain Endocrine Consult**. 2. Repeat 17-OHP test at two weeks of age or at discharge. <ol style="list-style-type: none"> a. Repeat Result ≥ 75 - Obtain Urgent Endocrine Consult.** b. Repeat Result 32 - 74 – Repeat screen biweekly until < 32 ng/mL
	≥ 75	<ol style="list-style-type: none"> 1. Repeat Immediately. Overnight delivery (FED EX, UPS, etc) to WSLH* <ol style="list-style-type: none"> a. Repeat Result ≥ 75 - Obtain Urgent Endocrine Consult.** b. Repeat Result 32 – 74 - Repeat screen biweekly until < 32 ng/mL
≥ 2500g (≥ 5lb 8oz)	32 – 44	<ol style="list-style-type: none"> 1. Reexamine genitalia. If ambiguous or cryptorchid obtain Endocrine Consult**. 2. Repeat 17-OHP test within two weeks. <ol style="list-style-type: none"> a. Repeat Result ≥ 45 - Obtain Urgent Endocrine Consult.** b. Repeat Result 32 – 44 - Repeat newborn screen <ol style="list-style-type: none"> i. 2nd repeat ≥ 32 – Obtain Endocrine Consult**
	≥ 45	<ol style="list-style-type: none"> 1. Repeat Immediately. Overnight delivery (FED EX, UPS, etc) to WSLH* <ol style="list-style-type: none"> a. Repeat Result ≥ 45 - Obtain Urgent Endocrine Consult.** b. Repeat Result 32 – 44 - Repeat newborn screen <ol style="list-style-type: none"> i. 2nd repeat ≥ 32 – Obtain Endocrine Consult**

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.**

Reference: Allen,DB. Newborn Screening For Congenital Adrenal Hyperplasia in Wisconsin. Wisconsin Medical Journal, Vol. 92, No.2, 1993.

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