

DATE: January 30, 2018

TO: Attending Staff, House Staff, Nursing, Clinics

FROM: Dr. Fred Apple, Medical Director, Clinical Laboratories

SUBJECT: **RBC Folate and DHEAS**

Due to infrequent orders for the testing of RBC Folate and DHEAS, as well as our need for instrument consolidation, the clinical laboratory will begin sending RBC Folate and DHEAS specimens out to ARUP (our send out laboratory), effective January 31, 2018. Please note a) the specimen type will not change, b) the way to order this testing in EPIC will not change and c) reference values are as follows:

- RBC Folate reference ranges will remain the same between HCMC and ARUP tested samples- greater or equal to 366 ng/mL
- DHEAS reference ranges will differ with the change to ARUP- see below:

HCMC tested DHEAS reference ranges are:

Age (Years)	Female	Male
18-21	51-231 µg/dL	24-537 µg/dL
21-30	19-391 µg/dL	85-680 µg/dL
31-40	23-266 µg/dL	106-464 µg/dL
41-50	19-231 µg/dL	70-495 µg/dL
51-60	8-188 µg/dL	38-313 µg/dL
61-70	12-133 µg/dL	24-244 µg/dL
≥71	7-177 µg/dL	5-253 µg/dL

ARUP tested DHEAS Reference ranges are:

Age	Male	Female
0-6 days	108-607 µg/dL	108-607 µg/dL
7-30 days	32-431 µg/dL	32-431 µg/dL

Age	Male	Female
1-5 months	3-124 µg/dL	3-124 µg/dL
6-35 months	0-33 µg/dL	0-29 µg/dL
3-6 years	0-44 µg/dL	0-47 µg/dL
7-9 years	5-115 µg/dL	5-94 µg/dL
10-14 years	22-332 µg/dL	22-255 µg/dL
15-19 years	88-483 µg/dL	63-373 µg/dL
20-29 years	280-640 µg/dL	65-380 µg/dL
30-39 years	120-520 µg/dL	45-270 µg/dL
40-49 years	95-530 µg/dL	32-240 µg/dL
50-59 years	70-310 µg/dL	26-200 µg/dL
60-69 years	42-290 µg/dL	13-130 µg/dL
70 years and older	28-175 µg/dL	10-90 µg/dL
Tanner Stage I	7-209 µg/dL	7-126 µg/dL
Tanner Stage II	28-260 µg/dL	13-241 µg/dL
Tanner Stage III	39-390 µg/dL	32-446 µg/dL
Tanner Stage IV & V	81-488 µg/dL	65-371 µg/dL

Please contact Dr. Apple (873-3324), Dr. Love (873-2813) or Jennifer Nicholson (Chemistry Supervisor, 873-3017) with any questions.