

MEMORANDUM

TO: All Regional Medical Laboratory Clients
FROM: William Fitter, MD, Chief of Clinical Chemistry
Brittany Vaughn MT(ASCP)SM, Director of Clinical Operations
DATE: September 7, 2016
SUBJECT: **Ammonia Assay Reference Ranges Change**

Regional Medical Laboratory has received a notification from Beckman Coulter (our reagent supplier) regarding changes to our current ammonia assay. The notification states there has been a recent update to the reagent design process that will lead to changes in patient results and consequently changes in reference ranges. In our internal correlation study, the new changes have shown an increase in patient results by approximately 7%.

Effective 9/14/2016, we will make the changes to our method parameters to comply with manufacturer recommendations. Patient results will be higher and the new reference ranges reflect this change.

Current reference ranges:

Age Group	Reference Range
0 - 2 weeks	50-150 umol/L
2 weeks – 1 month	20-100 umol/L
1 month – 150 years	0-47 umol/L

New reference ranges:

Age Group	Reference Range
0 - 2 weeks	54 – 161 umol/L
2 weeks – 1 month	21-107 umol/L
1 month – 150 years	0-53 umol/L

If you have questions or concerns, please feel free to contact either Dr William Fitter at 918.744.2555, ext 15525, wfitter@sjmc.org or Brittany Vaughn, Director of Clinical Operations at 918.744.2555 ext 17145 Brittany.Vaughn@sjmc.org.