

Reference Range Updates for Glucose Tolerance Testing

Recently, there have been updates made to the reference ranges for all glucose tolerance testing performed at UVMHC. The low end abnormal reference range was raised from 50 mg/dL to 70 mg/dL to match that of any measured Random Glucose. This new low end will standardize reference ranges across the UVMHN. Additionally, the Epic lab records needed a minor correction in the logic for the abnormal high values on all time points, causing a slight change at the upper end of normal. The changes are summarized in the table below.

Test	Old Reference Range	New Reference Range
1 Hour Gestational Glucose Screen	50 - 135 mg/dL	70 - 134 mg/dL
2 Hour Glucose Tolerance - Fasting	50 - 100 mg/dL	70 - 99 mg/dL
2 Hour Glucose Tolerance - 2 hour	50 - 140 mg/dL	70 - 139 mg/dL
3 Hour Gestational Glucose Tolerance - Fasting	50 - 95 mg/dL	70 - 94 mg/dL
3 Hour Gestational Glucose Tolerance - 1 Hour	50 - 180 mg/dL	70 - 179 mg/dL
3 Hour Gestational Glucose Tolerance - 2 Hour	50 - 155 mg/dL	70 - 154 mg/dL
3 Hour Gestational Glucose Tolerance - 3 Hour	50 - 140 mg/dL	70 - 139 mg/dL

If you have any questions or concerns, please reach out to the UVMHC Medical Director of Clinical Chemistry, Dr. Clayton Wilburn, at (clayton.wilburn@uvmhealth.org).

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