RUSH logo for emails **Proc. # 4840-CH-305**

**TITLE: Chemistry Calculation Verification**

**Principle:** Calculated values that are reported with patient results are to be reviewed every two years or when a system change is made that may affect the calculation.

**Procedure:** Utilizing the Chemistry calculation spreadsheet, check each calculation performed by the computer for accuracy

1. Order TESTX patients in LIS and perform testing as a normal patient
2. Compare the computer calculation to a manual or “calculator” calculation
3. Attach analyzer printouts, instrument menu screen shots, instant reports and EPIC reports to the calculation verification spreadsheet
4. Indicate if the comparison is acceptable
5. If follow up is needed, document on the form what actions were taken
6. Forward the completed spreadsheet to department Lead

**Results and Interpretation:**

1. All manually performed calculations should match the computer determined calculations
   1. Any discrepancies should be resolved and documented
   2. Calculation Verification should be reviewed and signed by the Medical Director or designee

**References:** CAP checklist item GEN. 43450