NWT LIS TIP OF THE WEEK

Module: SoftLab	**Software Version:** 4.0.8
Topic: Dialysis Result Calculations - HR	**Issued On:** 28Jun2022
Distribution: All Users	**Page:** 1 of 1
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TOPIC/QUESTION:

The Renal Dialysis Unit at Hay River Regional Health Centre has requested specific calculated values on the result reports for patients after dialysis (same as those already in place at Stanton).

ANSWER/TIP:

- Pre-dialysis lab tests will be ordered and resulted normally.
    - Tests ordered should include Urea, Ca, Phos for the post calculations values.
- The post-dialysis requisition should have **BUNPO – Urea Post-Dialysis** written in the Other Tests section (bottom right corner). **Post-Dialysis needs to be clearly indicated.**
    - If so, in the LIS, order **BUNPO**. This is a group test which includes the requested calculated parameters, the Urea result (from this post-dialysis sample), the Urea Pre-Dialysis value (pulled from the pre-dialysis sample), and not shown on the report, the Phosphate and Calcium pre-dialysis values (pulled from the pre-dialysis sample).
- The post-dialysis sample will need to be analyzed for Urea (from the BUNPO group test ordered) and any other tests requested on the requisition.

Results will appear as follows on the post-dialysis requisition with BUNPO ordered:

Calculations, for PRU, KT/V and Calcium Phosphate Product, include Urea, Calcium and Phosphate from the pre-dialysis lab order as well as the Urea from the post-dialysis sample.

NOTE: The pre-dialysis sample must be ordered, received and resulted prior to the post-dialysis sample. Calculations attached to the post-dialysis order search for the recent BUN, CA and Phos orders. If the pre-dialysis sample is not ordered and resulted, there will be no results for the post-sample to pull for the calculations.

If the pre-dialysis bloodwork is not available, or no BUN, CA and/or Phos was ordered on the pre-sample, the post-sample calculations will not be performed and will result as below.