

Add Creatinine Clearance to MAGIC NPR Reports

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This article describes how include a patient's Creatinine Clearance (CRCL) on an NPR Report. Until recently, one would have to code their own formulas in an NPR macro in order to obtain CRCL values. This is not an easy task since a number of data elements are needed in order to obtain the calculation. Luckily, MEDITECH introduced enhancements to the PHA application, as part of Oncology features, including parameter settings and associated programs to calculate CRCL. We can use these new features to include CRCL on our NPR reports with relative ease.

Step 1 - Define formula to use for CRCL in MIS Clinical Parameters

PHA DTS 3920 established a centralized method for various calculations such as IBW, BSA, and CRCL. Each facility defines which CRCL formula to use in MIS Clinical Parameters. The formula choices include: COCKROFT&GAULT, JELLIFFE, SANAKA, or SCHWARTZ. Refer to the DTS documentation for more information.

Step -2 Get CRCL Values

Add the following computed field to your report picture at a point before the CRCL values are printed on your report.

```
xx.get.crcl
DAT=FREE
LEN=1
PRT=N
VAL=%PHA.PAT.pha.ee.M.crcl.calc(@patient)
```

Create computed fields for each CRCL value you want to print.

```
xx.crcl
DAT=FREE
LEN=10
VAL=@temp.crcl
```

```
xx.crcl.date
DAT=DATE
LEN=8
VAL=@temp.crcl.date
```

```
xx.crcl.formula
DAT=FREE
LEN=15
VAL=@temp.crcl.formula
```

Note: If your report is not written in a PHA DPM, you will need to create a PHA fragment report and call %PHA.PAT.pha.ee.M.crcl.calc from the fragment. Then you will want to place the values of the @temp fields into /R.FRAG.VAL so they will be available to your main report.