



## Renalog® RM: The Report Answer Tool

*"Man is a tool-using animal. Without tools he is nothing, with tools he is all."* Thomas Carlyle

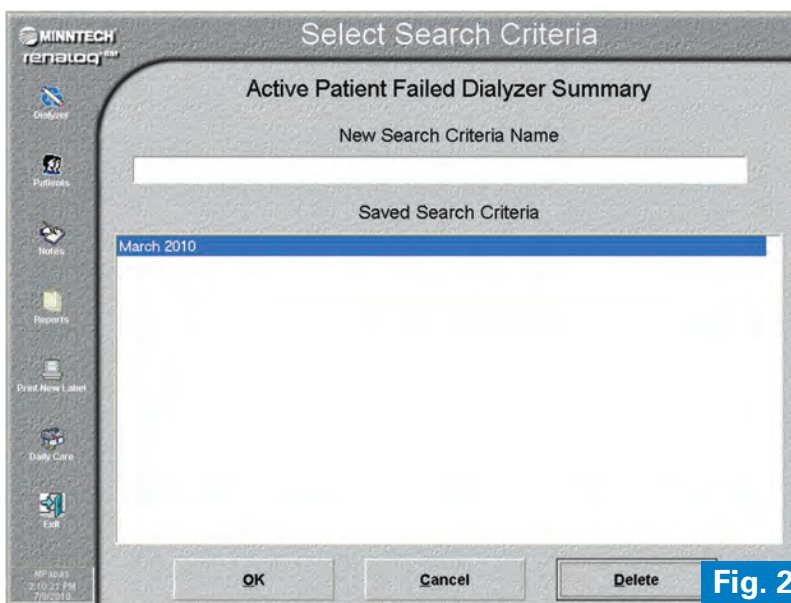


**Fig. 1**

Your Medical Director calls you and needs answers to three questions for a QA meeting in thirty minutes:

1. What is the overall reuse average this month?
2. What is the reuse average per dialyzer model this month?
3. What are the specific reasons dialyzers failed this month?

Without the right tool you may not be able to get answers to these questions. With the right tool you can hand your Medical Director all these answers, and more, in a matter of a few minutes. The Renalog® RM management software is the ultimate tool to answer these and many other questions about your reprocessing program.



**Fig. 2**

Renalog RM is a comprehensive reprocessing data analysis tool used to evaluate, troubleshoot and manage reuse operations. The reports generated by Renalog RM, which range from a variety of standard reports to advanced custom reports, are highly expandable and flexible and are easily accessible in the Technician mode. Reports can be viewed on a computer monitor and printed. Renalog RM reports can simplify record keeping, be used in quality assurance activities and aid in improving reprocessing outcomes.

The Standard Reports offer Daily, Weekly and Monthly reports of reprocessing activities. The Advanced Reports offer 11 Dialyzer reports, 9 Patient reports, 9 Audit reports, 5 Graph reports and 3 Miscellaneous reports. (Fig. 1).

## Report Search and Selection Criteria

After selecting the type of report you want to generate from the Reports screen, the Select Search Criteria window will be displayed for most reports as shown in the example of Active Patient Failed Dialyzer Summary (Fig. 2). However, the Daily, Weekly, Monthly and Miscellaneous reports have fixed criteria; a criteria selection window will not be displayed, and the report will automatically be generated.

To create a new report, name the report in the New Search Criteria Name field and press Enter on the keyboard (Fig. 2).

If the report you would like to generate already exists, double-click on the name from the Saved Search Criteria or highlight the report and press Enter or select OK to continue (Fig. 2).

If a report allows you to select criteria, the criteria can be entered in open fields or selected from drop-down lists after the check-box for that option has been checked (Fig. 3).

Not all reports in Renalog RM will allow you to select criteria. Fields that are displayed in gray are not available for selection. For example, if you are generating the Active Patient Failed Dialyzer Summary report (Fig. 3), the Patient Deactivation Date field is displayed in gray and not available for selection.

If you place a check mark next to any of the fields located along the right half of the selection criteria window, you will be prompted to select which information you want to either include (Equal To) or exclude (Not Equal To) from your report. For example, if you place a check mark by the Patient Name field (Fig. 4), you will be prompted to select which patients you want to either include or exclude from your report. The Selection Criteria window will display all active patients that have been entered into Renalog RM (Fig. 5).

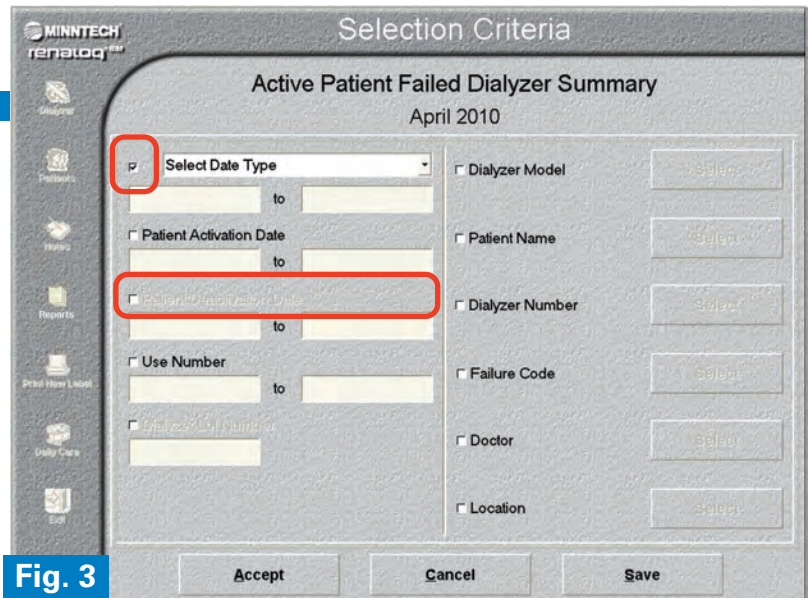


Fig. 3

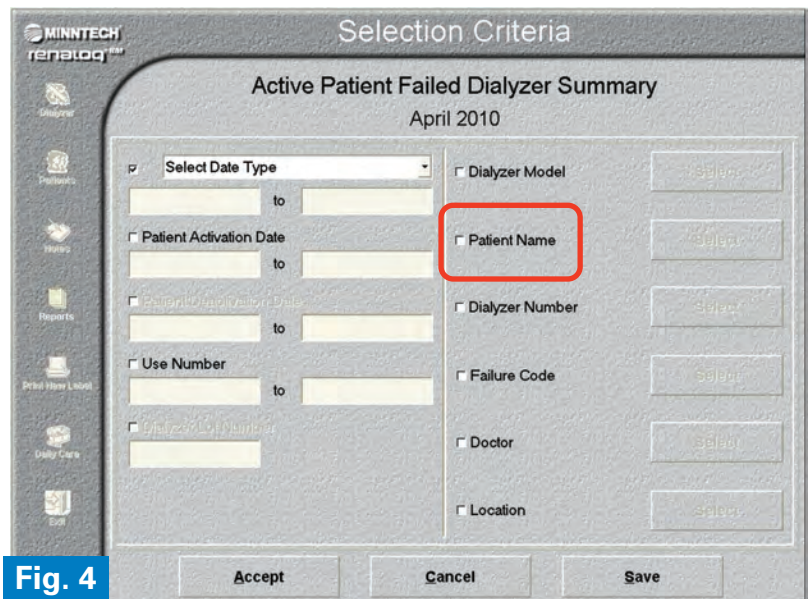


Fig. 4

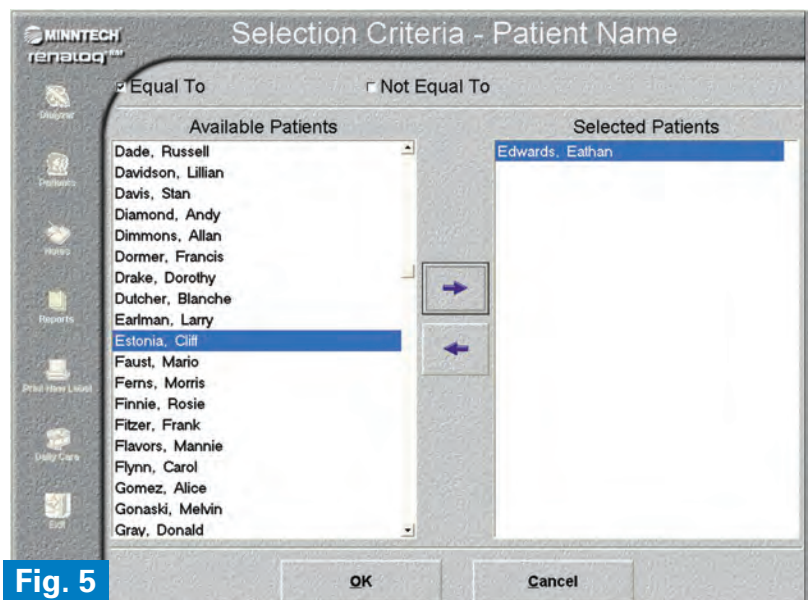


Fig. 5

Note: If you do not activate any of these selection criteria, all information from that field will be included in the report.

Select Equal To or Not Equal To to determine if the report you want to generate will include or exclude the criteria in the Selected list (Fig. 5). Highlight the list item you want and select the top arrow to move it from the Available list into the Selected list. To remove an item from the Selected list, highlight the item and select the bottom arrow. This will remove the item from the Selected list and return it to the Available list. Select OK to save the selections for the chosen criteria.

## Getting Started On Reports

Reports commonly used for determining reuse averages, the number of dialyzers used each month and causes of dialyzer failures are: Dialyzer Failure Group by Month Detail by Model and Dialyzer Failure Group by Month Detail by Fail Code. To generate these reports, select Reports on the navigation bar (Fig. 6) to display the Reports menu listing the report options available to you.

Select Dialyzers from the Advanced Reports column (Fig. 7).

## Dialyzer Failure Group by Month Detail by Model Report

This report summarizes the number of dialyzer failures by calendar month for each dialyzer model, as well as the total number of failed dialyzers for the selected date range.

Select Dialyzer Failure Group by Month Detail by Model (Fig. 8) and enter the search criteria.



Fig. 6

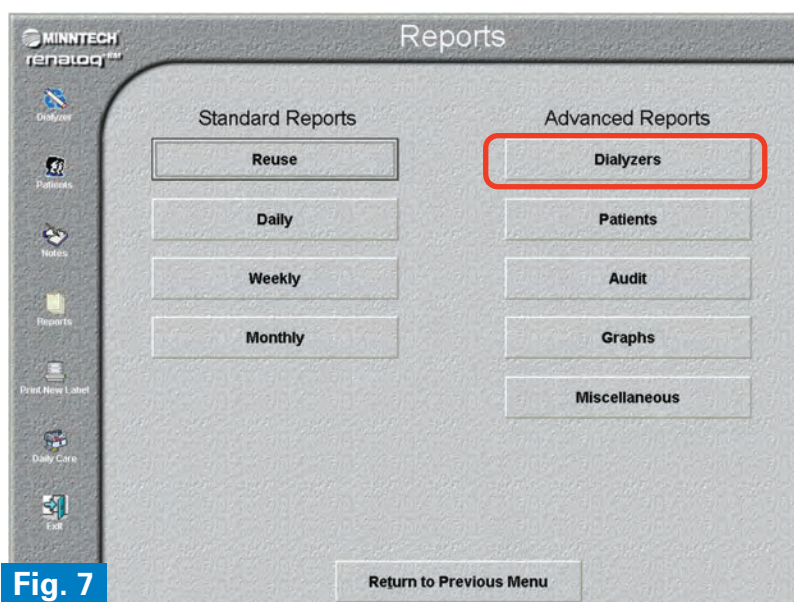


Fig. 7

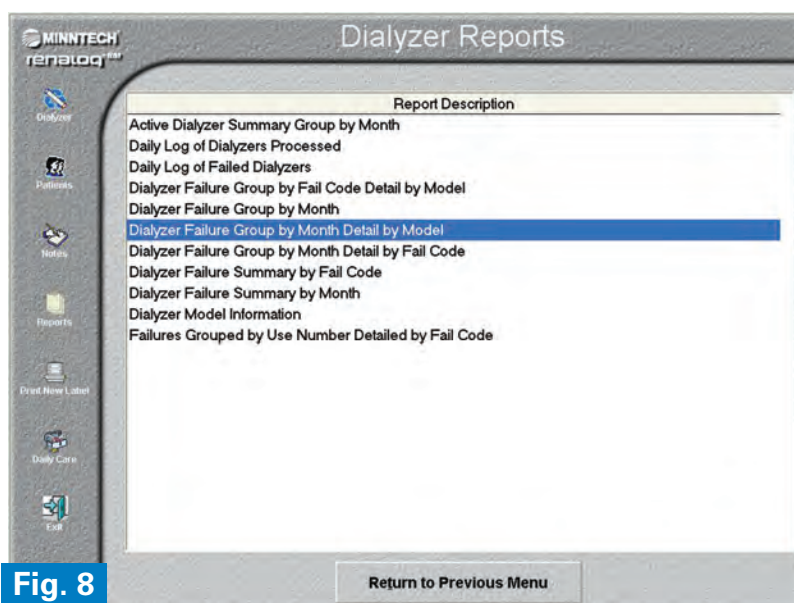


Fig. 8

To create a new report, name the report in the New Search Criteria Name field (Fig. 9) and press Enter on the keyboard.

If the report you would like to generate already exists, double-click on the name from the Saved Search Criteria or highlight the report, and press Enter or select OK to continue (Fig. 9).

Click on the empty box to the left of Select Date Type to activate the drop-down box and select Fail Date (Fig. 10). Enter in the date range of the report. Click on Accept, and the report will be displayed.

The report menu bar (Fig. 11) contains tools for adjusting the viewing of the report.

If a report has multiple pages, use the arrows on the menu bar to move to the next page, or go back.

Select Zoom In to enlarge the image of the report, or select Zoom Out to make the image smaller.

Select the Print button if you want to print the report.

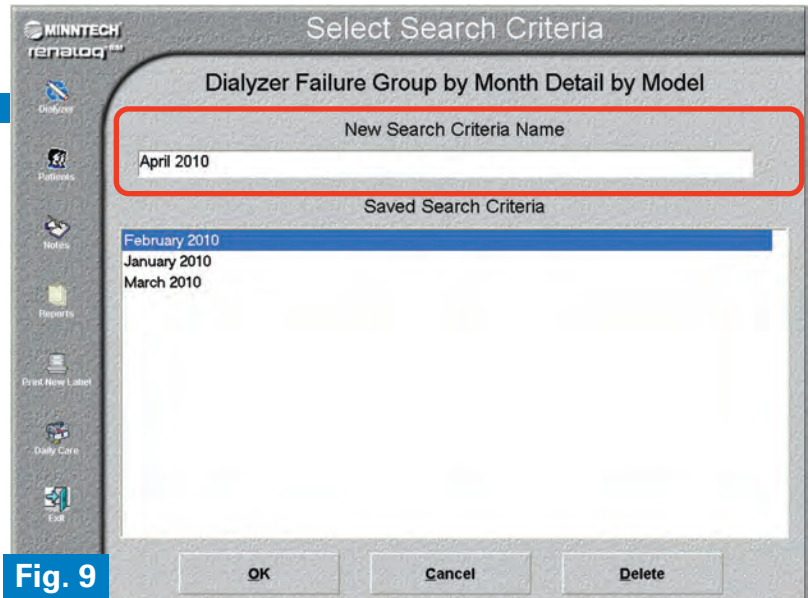


Fig. 9

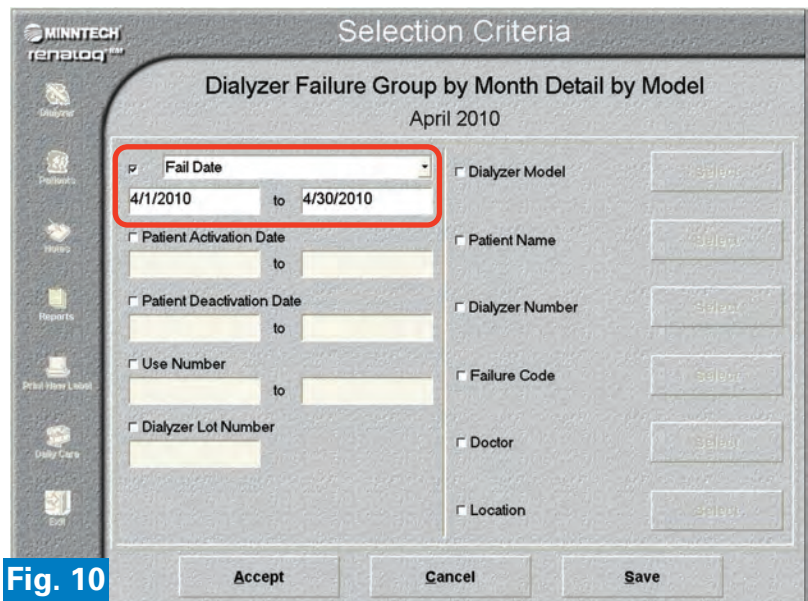


Fig. 10

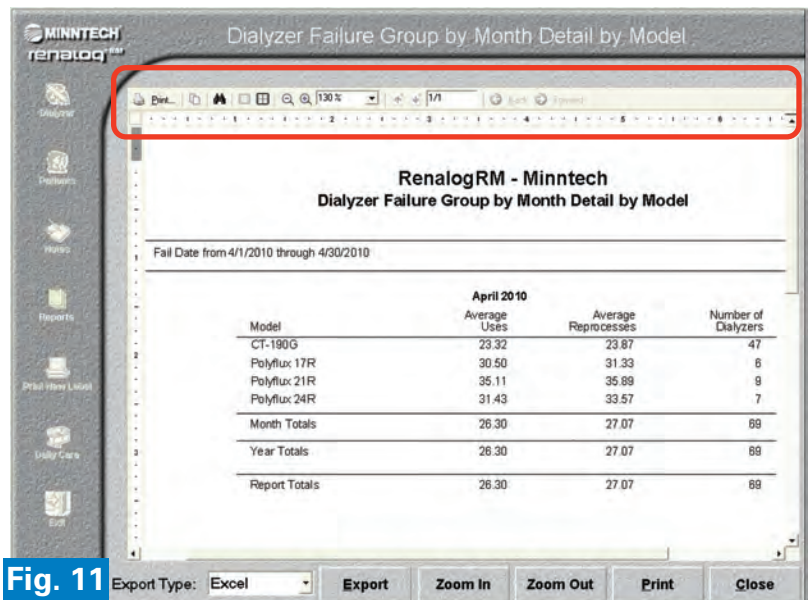


Fig. 11

## Dialyzer Failure Group by Month Detail by Fail Code Report

This report summarizes dialyzer failures by calendar month for each fail code, as well as the total number of failed dialyzers for the selected date range.

From the Dialyzers section of the Advanced Reports, select Dialyzer Failure Group by Month Detail by Fail Code (Fig. 12) and enter the search criteria.

To create a new report, name the report in the New Search Criteria Name field (Fig. 13) and press Enter on the keyboard.

If the report you would like to generate already exists, double-click on the name from the Saved Search Criteria or highlight the report and press Enter, or select OK to continue (Fig. 13).

Click on the empty box to the left of Select Date Type to activate the drop-down box and select Fail Date (Fig. 14). Enter in the date range of the report. Click on Accept and the report will be displayed.

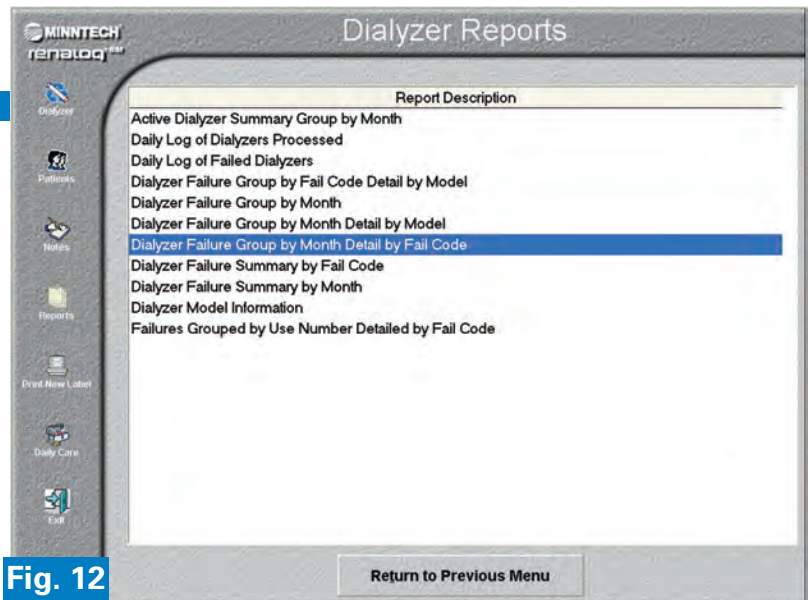


Fig. 12

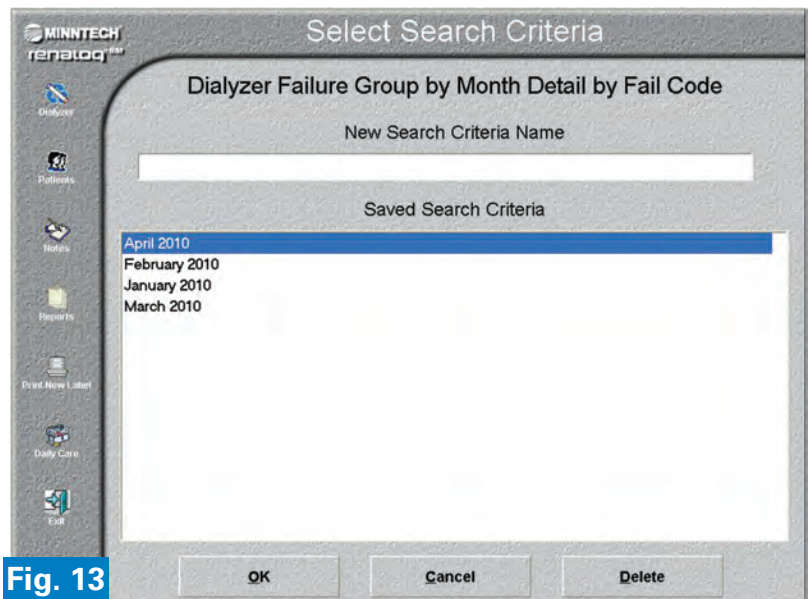


Fig. 13

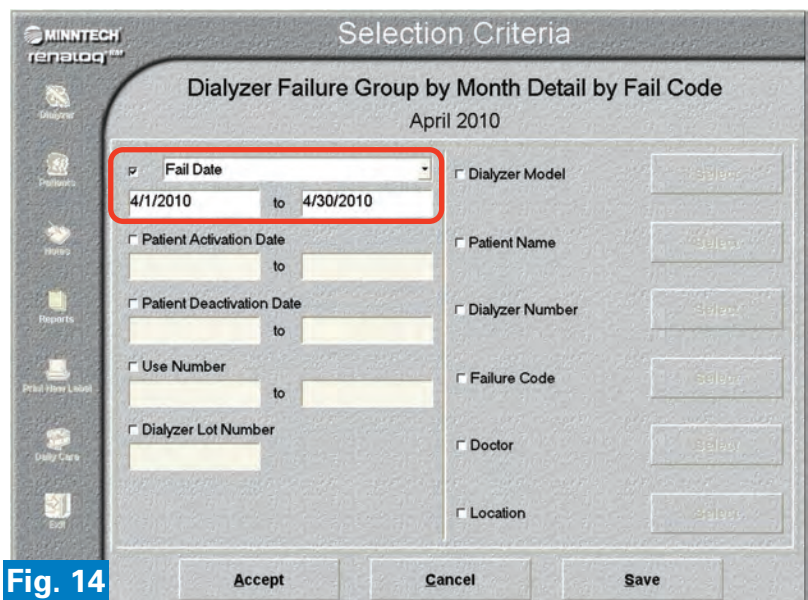


Fig. 14

The report menu bar (Fig. 15) contains tools for adjusting the viewing of the report.

If a report has multiple pages, use the arrows on the menu bar to move to the next page, or go back.

Select Zoom In to enlarge the image of the report, or select Zoom Out to make the image smaller.

Select the Print button if you want to print the report.

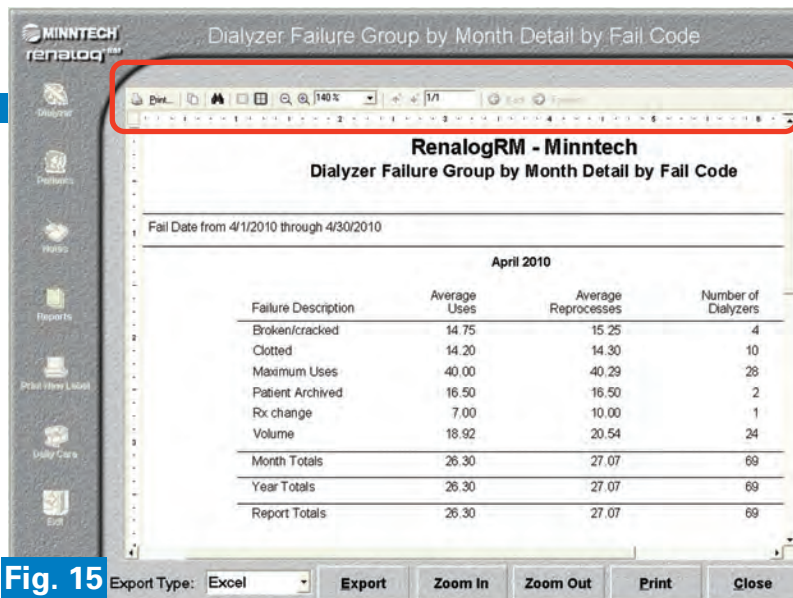


Fig. 15

## Example of Using Reports: Analyzing a Decrease in Reuse Averages

To help analyze and troubleshoot a decrease in reuse averages, search for patients that have low reuse numbers (ex. 1 to 5 uses).

Go to Patient reports under the Advanced Reports column (Fig. 16) and select Active Patient Failed Dialyzer Summary (Fig. 17).

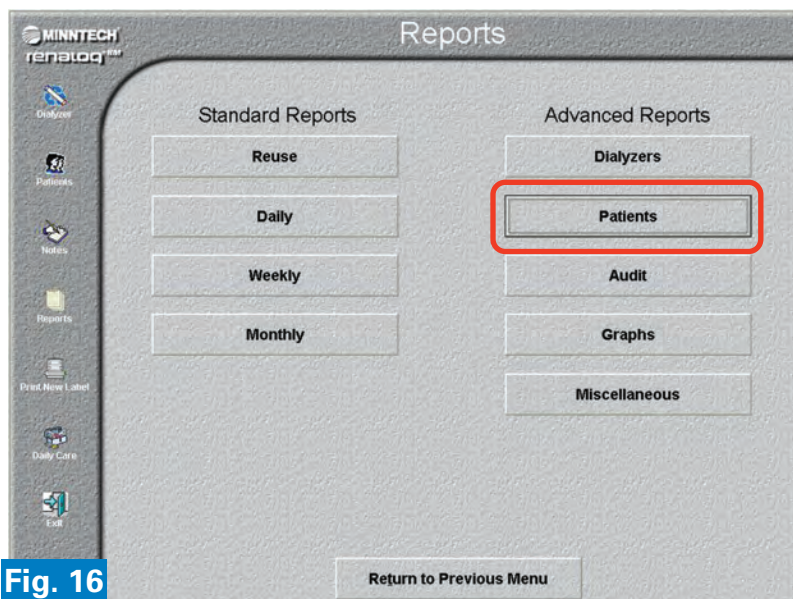


Fig. 16

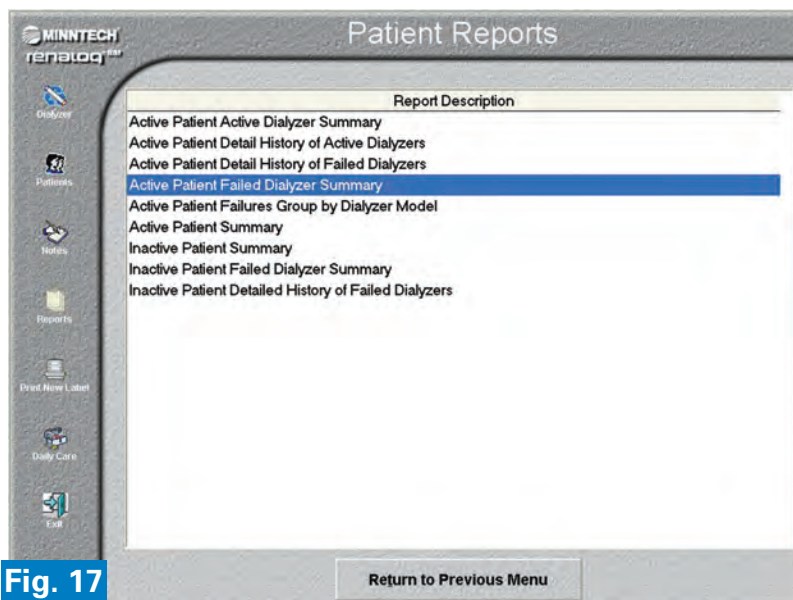


Fig. 17

To create a new report, name the report in the New Search Criteria Name field (Fig. 18) and press Enter on the keyboard.

If the report you would like to generate already exists, double-click on the name from the Saved Search Criteria or highlight the report and press Enter, or select OK to continue (Fig. 18).

After selecting the report date range (Fig. 19), search for low reuse numbers (ex. 1 to 5 uses).

The Active Patient Failed Dialyzer Summary will list dialyzers from active patients that have failed with 1 to 5 uses within the selected date range (Fig. 20).

Failures with low reuse averages can be an indication of procedural issues such as inadequate heparinization and improper or inadequate priming of the dialyzer.

**More information on reports and report functions can be found in Section 7 of the Renalog RM User Guide Instruction Manual supplied with the Renalog RM Reprocessing Management software.**

**An electronic copy of the User Guide can be downloaded from <http://www.minntech.com/renal/resource/documents/dfu/index.html>**

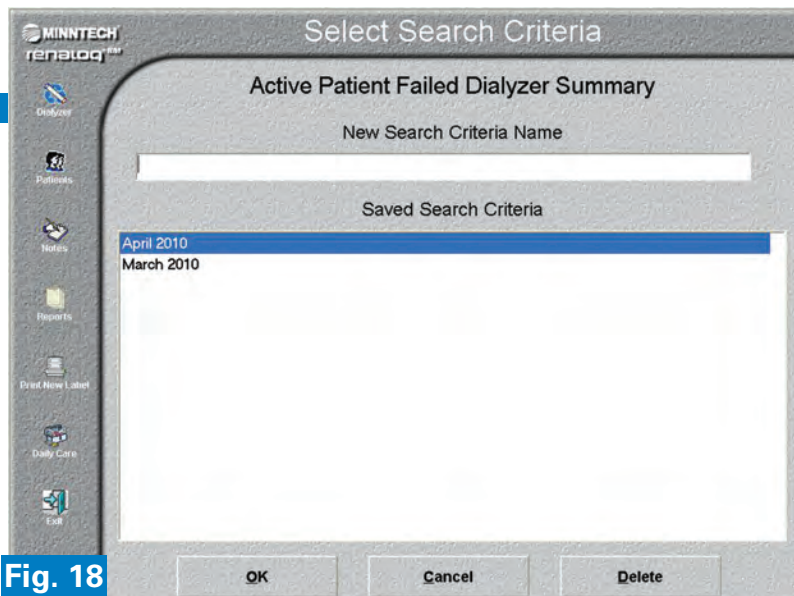


Fig. 18

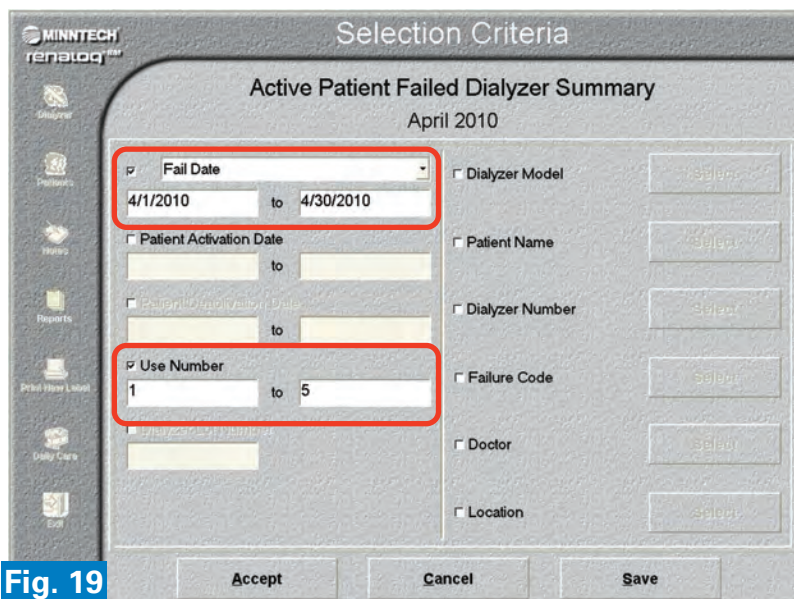


Fig. 19

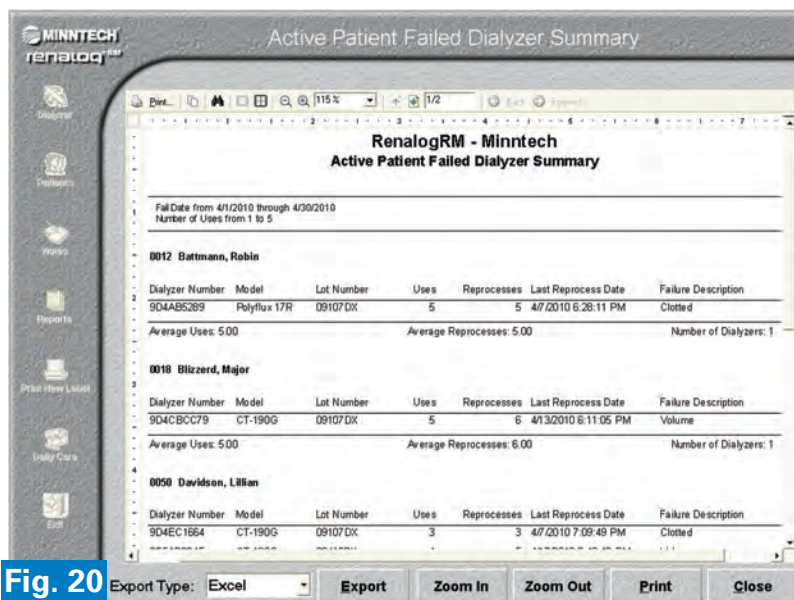


Fig. 20

## Report Nomenclature

**Active record:** A patient, dialyzer or doctor currently being used in the reuse program.

**Inactive record:** A patient, dialyzer or doctor previously active but now not currently being used in the reuse program. The records are not deleted, but remain in an inactive file.

**Summary report:** This type of report condenses the accumulated data selected for review. For example, the Active Patient Active Dialyzer Summary (**Fig. 21**) recaps information of the individual dialyzer's reprocessing activities.

**0004 Atlantis, Pat** **Fig. 21**

Dialyzer Number	Model	Lot Number	Uses	Reprocesses	Start Volume	Current Volume	Program	Last Reprocess Date
9D59B8A1A	Polyflux 17R	08H39E7	11	12	107	88	HF	5/23/2010 5:35:25 PM

**Detailed report:** This type of report details the data selected for review. For example, the Active Patient Detail History of Failed Dialyzers (**Fig. 22**) will list detailed information for each individual reprocessing cycle that the dialyzer has undergone.

**0012 Battmann, Robin** **Fig. 22**

Dialyzer Number	Model	Lot Number	Minimum Volume	Current Volume	Uses	Reprocesses	Program	Renatron ID	Reprocess Date	Technician
9D01A80SF	CT-190G	08107B	82	102	0	1	PP	012929	1/15/2010 4:52:42 PM	TVIGO
				100	1	2	HF	012687	1/15/2010 5:15:23 PM	TVIGO
			97	2	3	HF	012929	1/16/2010 3:48:28 PM	MPAPAS	
			0	2	3	PC	012955	1/19/2010 3:28:34 PM	TVIGO	
			88	3	4	HF	012955	1/19/2010 3:46:19 PM	TVIGO	
			83	4	5	HF	012955	1/22/2010 5:05:50 PM	MPAPAS	
0	4	5	PC	012929	1/23/2010 5:30:35 PM	TVIGO				
48	5	6	HF	012929	1/23/2010 5:38:55 PM	MPAPAS				

Start Volume: 102    Number of Uses: 5    Number of Reprocesses: 6    Failure Description: Volume    Fail Date: 1/23/2010 5:38:55 PM

Renalog RM is a powerful tool that can make your reprocessing program more efficient and effective. Minntech will be hosting a Renalog RM Reports webinar in the Fall of 2010.

This webinar will be an in-depth look at the wide-range of reports, report functions and report analysis with a focus on reports that can help improve facility reuse averages.

Go to the Minntech webpage at <http://www.minntech.com> for information on this upcoming Renalog RM reports webinar.



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