

# **Version 12.0 Software Updates**

Spectra Optia<sup>®</sup> Apheresis System February 2019





**RBCX Single-Needle (SN) Option** 

#### Single-needle (SN) option

- SN is an option for the RBCX procedure.
- SN may be selected at the start of the run or during the run.
- Once SN is confirmed during the run, there is no ability to go back to the dual-needle option.





#### **SN** adapter

- The SN adapter is required for the conversion from dual-needle to SN.
- The SN adapter must be purchased separately: catalog number 11220.





#### Screen prompts for line connection

- This screen shows prompts for connecting the inlet and return lines to the SN adapter.
- The blood warmer has been enabled.





#### Screen prompts for line connection

 This screen shows prompts to prime the tubing and the SN adapter.





#### Screen prompts for line connection

 This screen shows prompts to connect the inlet and return lines to the SN adapter if the procedure is converted to SN after the procedure has been started.





#### Screen prompts for line connection

 This screen shows prompts to prime the SN adapter and inlet/return lines if the SN option is selected after the procedure has been started.





#### Screen prompts for line connection

 This screen shows prompts to connect the SN adapter to the patient line and resume the run after converting to SN.





When SN is selected, the system cycles between drawing from the patient and returning to the patient.





- During the return cycle of a SN procedure, the contents of the reservoir are returned to the patient.
- The flow rates of the pumps displayed on the main run screen will go to zero.





#### **RBCX HCT Entry Limits**

#### **Hct entry limits**

#### **Depletion/Exchange:**

Minimum Hct that can be entered on the data entry screen is 10%.





#### **Hct entry limits**

# Exchange and Depletion/Exchange:

Operator is warned if the replacement fluid Hct entered is less than 50%.







**Hct entry limits** 

Exchange:

Target Hct may be either a minimum of 20% or the patient's starting Hct.



**RBCX Caution Status** 

**Caution status** 

#### Exchange:

If the entered **target Hct** is less than 70% or greater than 130% of the patient Hct, a Caution status alert appears.

```
Example: Patient Hct = 28%
```

```
28 × 70% = 19.6% and 28 × 130% = 36.4%
```

In this example, if the operator enters a target Hct below 20% or above 36%, the system enters Caution status.



#### **Hct entry verification**

 When the operator enters a target Hct outside of the recommended range, this screen prompts for verification.





#### Hct entry verification







#### **Caution status**

#### **Depletion/Exchange:**

If the entered **minimum Hct** is lower than 70% of the patient's Hct, a Caution status alert appears.

Example: Patient Hct = 28%

28 × 70% = 19.6%

In this example, if the operator enters a minimum Hct below 20%, a Caution status alert appears.



#### **Hct entry verification**

 When the operator enters a minimum Hct outside of the recommended range, this screen prompts for verification.





Medication Infusion Notification All Protocols

If the medication infusion notification option is selected and a medication is infused at the patient's return access, the system notifies the operator to consider pausing and starting the infusion when the Spectra Optia pumps pause or resume.



#### Configuration

- You can access the medication infusion notification feature on the configuration screen.
  - If Yes is selected, this feature will be active for all procedures.
  - If No is selected, this feature is not active and the notification screens will not be displayed.





#### **Options tab**

- Medication infusion notification can also be enabled/disabled from the Run menu, Options tab.
- If Yes is displayed, the medication infusion notification is active only for the current procedure.





If the medication infusion notification is enabled, when the return pump is paused for 2 minutes, a screen appears to notify the operator to consider pausing the medication infusion.





 If the medication infusion notification is enabled, when the return pump resumes, a screen appears to notify the operator to consider restarting the medication infusion.





#### **SN** option

If SN is selected for TPE or RBCX, the medication infusion notification option is disabled.

Config	Data	Run				
Medication Infusion Warning						
Disconnect the medication infusion Medication cannot be infused through the access site during a single-needle procedure. The infusion notification option has been changed to No. After disconnecting the medication infusion, touch the check box to confirm.						
15:09 12-27-2018	<u>Cont</u>	firm 5	RBCX			



#### **Correct Connect**

### **Correct Connect**

#### ACD-A

Instead of a spike, the **Correct Connect** ACD-A bag has a unique luer connection.

The ACD-A bag line has a frangible connector that must be thoroughly broken after connecting the luers.





### **Correct Connect**

#### ACD-A

 If the AC container notification is enabled, a screen prompts the operator to break the frangible connector on additional ACD-A bags.





Caution Status All Protocols

### **Caution Status**

- Caution Status alerts the operator that the system is operating outside of certain established limits.
- When the system is operating in Caution Status, a yellow line appears on the bottom of the screen.





### **Caution Status**

List

 When the operator touches the Caution Status button on the main run screen, a list of causes for the Caution Status is displayed.





Miscellaneous All Protocols

#### Reports

 The user can view the current procedure report during the run.





### **Alarm Number**

- Alarm screens have been updated to include an alarm number that is associated with an alarm name.
- The current system software version is displayed in parenthesis next to the alarm number.





### Alarm

CMNC, BMP, PLTD, WBCD

#### "Cells were not collected" message

- If the operator has set the collect valve to "Return to Patient," the "cells were not collected" alarm is displayed after approximately 5 minutes to warn the operator that no cells are being collected. When the alarm is displayed, the pumps no longer pause.
- If the alarm is ignored for an additional 5 minutes, a new alarm is displayed, and the pumps pause.



#### System Configuration Updates All Protocols

### **Software Version and Current Time**

- The software version is displayed on the configuration screen.
- Current time is displayed only in a 24-hour format.
- Current time can be changed easily for daylight saving time.





#### **Historical Report Access**

- This option requires a PIN to view the procedure reports.
- To access this feature, enable the setting and enter the PIN on the Config menu, Report tab, Settings section.





#### **Data Export**

- Historical procedure reports can be configured to be exported as a PDF file via FTP server.
- Note: The system no longer allows the report to be exported to a printer.





#### **Data Export**

 This screen allows for the operator to configure the IP address of the device.





### **Network Connection**

- This screen allows for a connection to a Terumo Blood and Cell Technologies server.
- Example: Cadence<sup>®</sup> Data Collection System server.

Config	Data	Run	End Run
System Procedu	Ire Report Netw	vork RBCX W	Blood /armer
Device Netwo	rk Terumo B	CT Server	NTP
Enabled	On Off	IP Address 172	2.21.255.251
	Confirm	Cancel	
10:29 1-19-2016		Ð	RBCX



#### **Network Connection**

 This screen allows for a connection to a time synchronization server.





# **QUESTIONS?**





#### We Touch a Patient's Life Every Second of Every Day

Delaney Stafford, patient Acute Lymphoblastic Leukemia



