



# OMNI<sup>®</sup> Training Record

## Acute Blood Purification System

TPE

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Name: .....





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# 1. Introduction

Training should begin with the trainer identifying, with the trainee, the various components of the machine which are listed under the section "General External Overview" on Page 5.

The following pages of the document refer to the various aspects of the machine e.g. screen content, preparation, treatment steps, troubleshooting.

# 2. Skills and knowledge statement

This document is to be completed during your assessment. By signing below, you confirm that the trainee has practiced the skills under supervision and has self-reflected and feels confident in operating the machine in future, within their limitations whilst maintaining patient safety.

The aim of this workbook is to allow the participant to demonstrate a practical knowledge and appropriate clinical use of the OMNI system.

Trainer name: ..... Date of training: .....

Trainer signature: .....

Trainee name: ..... Date of training: .....

Trainee signature: .....

Hospital: ..... Unit/Ward: .....

If you have any queries, please contact one of your key trainers or your B. Braun representative.

# 3. General external overview

GENERAL EXTERNAL OVERVIEW	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Machine Overview				
Be able to understand where the different parts of the hardware are situated				
Front Left View				
STOP key				
Status indicator light				
Touch screen				
Syringe pump				
IV pole				
Centre load cell				
Citrate load cell				
Left load cell				
Arterial pressure sensor connector (AP)				
Pre-filter pressure sensor connector (FP)				
Venous pressure sensor connector (VP)				
Citrate pump				
Blood pump				
Blood side door				
Blood side disposable kit locks				
Level detectors for arterial and venous chambers				
Venous tube clamp				
Left-side tube holder				
Front handle				
Side handle				
Right View				
Barcode scanner				
Right load cell (dialysate or substitution pre)				
Effluent pressure sensor connector (EP)				
Solution pressure sensor connector (SP)				
Substitution fluid pump				
Dialysate pump				
Effluent pump				
Fluid side door				
Fluid side disposable kit locks				
Solution chamber level detector				
3-way clamp				
Blood leak detector				
Right-side tube holder				

### 3. General external overview

GENERAL EXTERNAL OVERVIEW	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Rear View				
Standby switch				
Mains inlet				
Potential equalisation bolt				
Battery charge indicator LED				
Data port				
Staff call port				
Warmer door				
Warmer door latch				
Fans				
User Interface				
Be able to understand the different parts of the user interface				
Static Elements on the Touch Screen				
Date and time				
Patient ID				
Current therapy				
Current operating mode				
Clean icon				
Audio pause icon				
Reset alarm icon				
Levels icon				
Bags icon				
Patient care icon				
Heparin bolus icon				
Heparin icon				
Therapy icon				
Blood pump icon				
Battery status				
Syringe status				
Current blood flow				
Status and output temperature of warmer				
Status of the blood leak detector				
Current transmembrane pressure (TMP)				
Current venous pressure (VP)				
Current pre-filter pressure (FP)				
Current arterial pressure				

### 3. General external overview

GENERAL EXTERNAL OVERVIEW	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Onscreen numeric keypad and keyboard.				
Screensaver (wait 2 minutes for screensaver to appear).				
Menu bar.				
Preparation				
Be able to operate step-by-step through all the tasks required for the preparation of a therapy.				
Main				
Locate the fluid volumes and flow rates administered to and discharged from the patient.				
Parameters				
Correctly navigate to the operating parameters during therapy (patient ID, flow rates, anticoagulation, renal dose).				
History				
Locate all relevant therapy information within the four sub screens: volumes screen/graph screen/event log screen/report screen.				
Functions				
Go through all activities needed to complete typically recurring tasks. End therapy, temporary disconnect patient/syringe change/air removal or blood leak detector.				
Service				
Open the Service Menu. It is not necessary for the normal operation of the machine but used for system diagnosis by trained personnel. Detailed information is available in the OMNI Service Manual.				

## 4. Consumables

CONSUMABLES	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Be able to unpack and handle the OMNISET properly as explained in preparation phases. The operator shall also be able to dispose the OMNISET as specified in the Instructions for Use.				
Others Consumables - The operator should be able to understand the differences and function of other accessories				
OMNIbag = for all therapies. 7 litre bag for single use only.				
Syringe = to be used for heparin.				
Priming/saline bag = for priming phase (800 ml needed) or for recirculation and/or end of treatment.				
Manual clamps = can be used for emergency issues or troubleshooting purposes.				



# 5. Treatment

TREATMENT	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Select Treatment Mode				
Select the treatment mode to start preparation.				
Prepare Disposable Kit				
Select the correct disposable kit type according to the prescription.				
Set up Disposables: Check Barcode				
Check the OMNI disposable kit by scanning the barcode of the package with the device.				
Set up Disposables: Select Therapy Mode and Anticoagulation Type				
Select from the therapy modalities supported by the device.				
Set up Disposables: Instal kit				
Be able to unpack kit from its packaging.				
Be able to load the disposable kit onto the front plate by locating it on the front kit holder pins.				
Be able to close the kit wings onto the blood and fluid side manifolds.				
Be able to open the warmer door, load the warmer bag and close the warmer door.				
Be able to connect all the pressure connectors to the proper system pressure transducers.				
If the Disposable Kit is properly loaded, the operator should be able to start the automatic disposable kit loading via the user interface to thread the pump segments into the pumps.				
Be able to differentiate the lines of the disposable kit (fluid lines, pressure lines) by their colour.				

# 5. Treatment

TREATMENT	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Set up Disposables: Instal Anticoagulant				
Be able to enter syringe type and volume on screen.				
Be able to connect the heparin syringe to the heparin line.				
Be able to open the clamp on the heparin line.				
Be able to press confirm so the heparin delivery can begin.				
Enter Parameters - Start Treatment – Connect Patient				
Be able to enter parameters, connect arterial and venous line to patient (or priming bag during training).				

# 5. Treatment

TREATMENT	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Start Blood Pump – Start Treatment.				
Adjust/Stop Blood Pump				
Be able to adjust and stop blood flow during therapy and understand the automatic blood flow regulation during patient care mode or pressure changes.				
Intervention: Screensaver				
Be able to read the values from the screensaver.				
Intervention: Change Bag				
Recognised when the system detects the substitution bag is empty.				
The operator will be able to initiate bag change procedure.				
Be able to close the clamps on the bag(s) and/or the lines and disconnect them.				
Be able to hang a new bag on the same load cell.				
Be able to connect the bag with the line.				
Be able to open the clamps.				
Intervention: Changing Syringe				
Be able to initiate heparin syringe change.				
Be able to close the clamps on the line and disconnect from the syringe.				
Be able to load a new syringe.				
Be able to connect the syringe with the line.				
Be able to open the clamps.				
Be able to set and confirm the syringe parameters.				

# 5. Treatment

TREATMENT	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Check Treatment History				
Be able to check the most important therapy parameters for reporting.				
Recover from Power Fail				
Be able to continue therapy after a power fail recovery or start a new therapy.				
End of Therapy – Disconnect Arterial Line (disconnecting patient)				
Be able to prepare a saline bag on the IV pole.				
Be able to clamp and disconnect the arterial line from the patient.				
Be able to return blood to the patient.				
End of Therapy – Unload Kit				
Be able to unload the kit from the front of the machine.				
Be able to unload the syringe from the device.				
Be able to dispose of kit safely.				

# 6. Troubleshooting

TROUBLESHOOTING	✓	SIGNATURES		DATE
		TRAINEE	TRAINER	
Alarm Handling and Special Alarms.				
Dealing with Alarms				
Be able to check the most important alarms and learn how to mute and solve issues using the user interface.				
Understand the significance of the <b>Green, Amber and Red</b> signal on the top of the machine.				
Discontinue Treatment Quickly				
Be able to quit an alarm and go through all key steps to discontinue treatment and return blood to patient (when possible).				
Alarm Priorities (8.1.3)				
Be able to understand most important alarms and the reasons of: <ul style="list-style-type: none"> <li>■ Long stop of blood pump</li> <li>■ Long stop of fluid side pumps</li> <li>■ Long stop of anticoagulation pump</li> <li>■ Bypass stop (TPE)</li> </ul>				
Most Frequent Alarms				
Low venous pressure.				
High arterial pressure.				
Low arterial pressure.				
High transmembrane pressure.				
High pre-filter pressure.				
High effluent pressure.				
Low solution pressure.				
Blood leak alarms during therapy.				
Removing air from venous line.				
Anticoagulation/syringe alarm.				
Bag movement alarms.				
Stop Key				
Be able to press the <b>STOP</b> key in order to immediately stop therapy.				

# 7. Consent

I certify that I am competent using the OMNI system and I am aware of the support material available to me. I accept that I am accountable for my actions.

Print Name: .....

Signature: .....

Date: .....

# 8. Notes

**Complete Practice Hours Log**

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**Complete CPD Log**

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# 8. Notes

## Complete Reflective Account

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## Complete Reflective Discussion

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