

# Section 1

## Using the Education Workbook

### Aim

- To introduce the learner to the education workbook

### Learning Outcomes

- Identify how to use the workbook
- Identify who the workbook is produced for
- Identify different learning styles

### Introduction

The aim of this education workbook is to provide learners with the necessary knowledge to assist them in the safe use of Intraoperative Cell Salvage (ICS) machines and disposables that wash red cells in the operating theatre and other areas. It should be used in conjunction with practical training covering the following skills:

- Set up of machines/disposables
- Processing red cells for reinfusion
- Reinfusion
- Disposal of cell salvage waste

This education workbook has been developed by the UK Cell Salvage Action Group. The group was established to help support the wider implementation of cell salvage as an alternative to allogeneic (donor) blood, and to facilitate a UK-wide approach to its use.

This workbook is intended for Doctors, Operating Department Practitioners, Perfusionists, Nurses, Midwives, Health Care Support Workers and all other staff responsible for the setup and/or running of ICS machines.

This workbook does not currently cover any specialised requirements for paediatric practice.



It is essential that all staff involved in the operation of *Intraoperative Cell Salvage* machines are trained to the level at which they are expected to operate. Training should include both theory and practice.

## 1.1 How to use the Education Workbook

This publication is designed to be used by the learner as a workbook and once completed can be kept and used for reference.

Each section follows the same format and contains the following:

- Aims
- Learning Outcomes
- Subheadings for each “topic”
  - These will include the body of the text, pictures, and boxes containing information and best practice guidance/cautions
- Documentation (if applicable)
- Key Points
- Further Reading
- Self-Directed Learning section

The theory component of each section can be accessed as:

- Face to face training, either classroom style and/or delivered by “key trainers”
- An e-learning package “Learn Cell Salvage” (available at [www.transfusionguidelines.org.uk](http://www.transfusionguidelines.org.uk))
- Part of a manufacturer’s training programme
- A combination of these

Self-directed learning allows the learner to identify practice within their own organisation and reinforces the theory component of each section.

In some of the sections the learner will find the following symbols:



Relates to information and best practice



Cautions: critical points to be aware of



Self-directed learning questions

## 1.2 Associated Competency Assessment Skills

This workbook is designed to be used in conjunction with the UK Intraoperative Cell Salvage Competency Assessments. The related competency assessments for each section are listed in Appendix 1.

The ICS competency assessment workbook can be downloaded through the UK Cell Salvage Action Group section of the Better Blood Transfusion Toolkit.

[www.transfusionguidelines.org.uk](http://www.transfusionguidelines.org.uk).

## Self-Directed Learning



Who will deliver training and how will it be delivered in your organisation?



Have you accessed the e-learning package Learn Cell Salvage at [www.transfusionguidelines.org.uk](http://www.transfusionguidelines.org.uk)? If yes, identify three key learning points.