

# Intra Aortic Balloon Pump Training

The Intra Aortic Balloon Pump (IABP) is a left ventricular assist device used predominantly in the treatment of Ischaemic Heart Disease and Left Ventricular Failure. The first commercially available balloon pump was introduced in 1969. Since then, there have been many significant improvements in technology, culminating in the first truly automatic balloon pump, the ARROW AutoCAT 2 WAVE IABP, incorporating fiber optic and WAVE technology to produce real time inflation, now known as Aortic Flow Timing.

Training to support the clinical application of Intra Aortic Balloon Pumps is available in the following formats or can be customised to meet your organisation's learning requirements.

- Two hour training sessions
- Full day or half day workshops and seminars
- Foundation, advanced or train the trainer

## Overview of Learning Outcomes customised to meet your learning needs

- Principles and therapeutic effects of Counterpulsation
- Indications, contraindications & complications of IAB Pumping
- Set up and Start up of the IABP
- Correct trigger choices for the IABP & implications of trigger errors
- Changes to the arterial pressure waveform during counterpulsation
- Correct timing of the IABP & the implications of timing errors
- Balloon Pressure Waveform
- Alarms and troubleshooting of the IABP
- Practical simulation of catheter preparation, insertion and pump set up
- Transport of a patient with the IABP
- Practical application of learning outcomes to the IABP
- Advances in Counterpulsation
- Fiber Optic Intra Aortic Balloon Catheters
- Aortic Flow Timing



### Individual Resources available include:

- Pre Reading Self Directed Learning Package & Questionnaire
- ARROW Manual - Counterpulsation Applied: An Introduction to Intra-Aortic Balloon Pumping
- A compendium of recent articles pertaining to current IABP practice
- A compendium of hand outs on critical aspects of IABP management
- Post Training Questionnaire
- Certificate of Attendance

### Resources available for the clinical area include:

- Copies each of ARROW Manuals Timing, Triggering and Troubleshooting & Troubleshooting Beyond the Basics
- CD ROM of IABP Operation
- CD ROM of IAB catheter insertion
- Clinical Competency document for use in ongoing staff assessment
- Answers for Pre Reading and Post Training Questionnaire

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