

Global Oximetry Workshop

Introduction

The aim of the Global Pulse Oximetry Workshop is to teach anaesthesia providers, who have had limited or no experience with pulse oximeters, the basic function and use of a pulse oximeter.

Objectives

By the end of the workshop participants should be able to

1. Understand how the Global Pulse Oximetry Project works
2. Understand how to use a pulse oximeter
3. Explain the physiology of oxygen transport to the tissues during anaesthesia
4. Be familiar with using the action plan for $SpO_2 < 95\%$

The workshop will incorporate small group discussions and active involvement by participants in solving clinical problems.

Program

A suggested program for a half day workshop is included. This contains objectives for each session.

Teaching Materials

Included are a number of presentations and resources, including a training manual, two PowerPoint presentations and a training video. For the two PowerPoint presentations, it is suggested that these be used to facilitate small group discussions rather than be used to lecture the participants.

Also included are nine clinical scenarios. These are case presentations that can be used to demonstrate the action plan for managing patients with a $SpO_2 < 94\%$. Instructors may modify these scenarios or use their own.

The simulated oximeter is a very useful computer program that is easily installed on a laptop or desktop. It can be easily programmed to provide a pulse rate and saturation with an audible tone that varies its pitch with saturation change. The simulated oximeter is very useful for scenario teaching.

Feedback

Feedback should be sought from all participants. A feedback sheet is provided. This sheet can be given to all participants at the end of the workshop.