

A ONE DAY COURSE PROVIDING

- * A review of diving related illness
- * An introduction to oxygen administration equipment, its assembly and use
- * The theory and benefits of the use of oxygen in the First Aid and treatment of diving related illness

Aim: The SAA Oxygen Administration Course is intended to introduce the student to the use of oxygen as a First Aid procedure for diving related illness, and to produce a high standard in the administration of CPR to a diving casualty.

The course culminates with both practical and theoretical tests to ensure that the required standard has been achieved.

Prerequisites:

Current SAA membership
Open Water Diver qualification

Under certain circumstances member's who do not hold the Open Water Diver qualification but have experience in First Aid (i.e., Doctor, Nurse, Ambulance Personnel, First Aider or non diving club member) may be allowed to attend the course, subject to the approval of the Oxygen Administration Co-ordinator and/or the NDO.

Awarded Qualification:

SAA Oxygen Administration Qualification Record Book Certificate and Wall Certificate

DAY ONE

Time: 0900to 1700hrs

Syllabus:

Video -" Oxygen First Aid in Diving Emergencies"

What is oxygen?

Diving accidents

Revision of AV and CPR

Use of pocket masks

Oxygen administration equipment

Oxygen administration in practice

Rescue management

Theory and practical examination

GENERAL

Equipment required by candidate:

Notebook and pen

Equipment provided:

One Manikin per two students
Oxygen administration equipment

Materials supplied for the course:

SAA Oxygen Administration Manual
SAA folder

Safety requirements:

A clean well ventilated room suitable for the use of Oxygen
Equipment

Students should refrain from smoking in the presence of Oxygen

Qualification of Instructors:

SAA Oxygen Administration Instructor

LECTURE NOTES

Instructors should include and elaborate on the following points during their lecture.

Oxygen

What is oxygen? Explain - colourless, tasteless, constituent part of air.

Non flammable but essential for combustion.

Can be poisonous.

How is it used in the body, carried by the blood?

Diving accidents

Burst Lung Air embolism
Pneumothorax
Emphysema
Signs and symptoms
Treatment

Decompression illness

Signs and symptoms - skin rash, joint/limb pain, neurological disorders, occurs immediately/soon after a dive. Treatment

Carbon monoxide (CO)_poisoning

What is CO?
It is colourless, odourless
Signs and symptoms
Treatment
Prevention

Drowning

Explain dry and wet drowning
Signs and symptoms
Treatment

Secondary Drowning

Carbon dioxide (CO₂) poisoning

What is carbon dioxide?
Signs and symptoms
Treatment
Prevention

Shock

What is shock?
Causes
Signs and symptoms
Treatment

Revision of Artificial Ventilation and Chest Compressions

- What is A.V.? - When is it used?
- What is C.C.? - When is it used?
- When is it never used?

Ratios for 1 and 2 operators - as per current edition of "First Aid"

Use of pocket mask

- Explain various types available
- Advantages and disadvantages

Oxygen administration equipment

- Explain various types available
- Free flow system
- Demand system
- Safety factors
- Care of equipment

Oxygen administration in practice

- Assembly/use of equipment
- Administration of oxygen on - breathing subject
- non-breathing subject
- Cardiac arrest

Rescue management

- Assessment of situation
- Safety factors to remember
- Priorities
- Help from outside agencies
- Take charge - do as you are instructed

Collate information

- necessary information to accompany subject to hospital
- pre-dive history
- details of incident
- treatment given
- safeguard subject's equipment, may be required for any enquiry/
- coroner's court