

**HYPERBARIC MEDICINE UNIT**

**DEPARTMENT OF ANAESTHESIA**



**DIVING MEDICINE COURSES 2010**

## **INTRODUCTORY COURSE IN DIVING MEDICINE**

A one-week course designed for doctors with no previous experience or knowledge of diving. It covers the principles, physiology and medical aspects of fitness to dive. Aetiology, pathogenesis, diagnosis and management of diving related disorders are covered but not with the intention that delegates will be competent to manage diving medical emergencies. The course is recognised by HSE as providing appropriate instruction for doctors who wish to become approved by HSE to conduct medical examinations on commercial divers. It covers the syllabus described by European Committee for Hyperbaric Medicine/European Diving Technology Committee for “Medical Examiners of Divers”.

**Date:** 19 – 23 April 2010

**Fee: £750**

## **MEDICINE OF COMPRESSED AIR DIVING**

A one-week course for doctors with some previous knowledge of diving medicine which concentrates on the medical problems of both sport and commercial air diving. It aims to provide familiarity with recompression therapy and enable attendees to be competent in planning the management of diving casualties.

**Date:** 10 – 14 May 2010

**Fee: £750**

## **MEDICINE OF MIXED GAS DIVING**

A one-week course concerned entirely with the medical and occupational health aspects of deep mixed gas diving. A significant component of the course relates to commercial saturation diving techniques and the ultimate aim is to provide sufficient instruction to enable attendees to contribute to the management of medical emergencies arising during mixed gas diving operations.

**Date:** 14 – 18 June 2010

**Fee: £750**

## **INTRODUCTORY COURSE IN DIVING MEDICINE**

The Introductory Course is directed at medical practitioners with little or no previous experience of diving medicine. It is designed to provide sufficient instruction to enable attending doctors to apply to the Health and Safety Executive of the UK for approval to conduct the statutory medical examination of commercial divers. It is equally applicable to doctors with a specific interest in sport diving. Doctors who are sport divers are likely to find the course of particular interest.

The course syllabus includes - introduction to diving techniques and equipment - diving physics and physiology - inert and metabolic gas pharmacology - decompression theory - decompression illness and barotrauma - immersion and near drowning - assessment of fitness to dive - radiology and bone necrosis - the ear and diving - legislation - principles of treatment of diving related illness.

Emphasis is placed on assessment of fitness to dive which is covers in both tutorial and case discussion sessions. In addition there will be an opportunity for practical chamber dives, visits to commercial dive facilities and practical demonstrations of breathing equipment and other apparatus.

Numbers on the Introductory Course numbers are restricted to a maximum of 16 because of the importance of the practical aspects of the course

## **MEDICINE OF COMPRESSED AIR DIVING COURSE**

This five-day course is concerned specifically with the medical problems arising during the course of sport and commercial air (or nitrox) diving. It is primarily directed at doctors who have previous knowledge of diving medicine, for example who have completed the Introductory Course. The course aims to provide theoretical knowledge sufficient to enable medical staff to undertake the immediate management of diving casualties. The course syllabus includes - a review of physical principles and gas physiology, decompression procedures and tables, the pathogenesis and therapy of the decompression disorders, the physiology of exercise underwater, design characteristics of underwater breathing apparatus, pathology and management of barotrauma, the use of heliox as a therapeutic gas, near drowning and loss of consciousness in the water. Practical sessions cover the design and operation of recompression chambers, examination in a chamber, familiarity with working in a pressure chamber, administration of oxygen at pressure and experience of nitrogen narcosis. Extensive use is made of case history material to provide familiarity with the clinical features of diving casualties and confidence in their recognition and management.

Numbers on the Medicine of Compressed Air Diving course are restricted to a maximum of 12 because of the practical components and the extensive use of small group seminars.

## **MEDICINE OF MIXED GAS DIVING COURSE**

This five-day course is concerned entirely with the medical and occupational health aspects of deep mixed gas diving. A significant component of the course relates to commercial saturation diving. It is directed at doctors who have previous knowledge of diving medicine, for example who have completed the Introductory Course. The course aims to provide sufficient instruction to enable attendees to contribute to the management of medical emergencies arising during mixed gas diving operations. The course syllabus includes - a review of physical principles and gas physiology, decompression procedures and tables, consequences of breathing helium, High Pressure Nervous Syndrome, mixed gas diving and decompression procedures, decompression illness in mixed gas diving, concurrent illness in saturation and risks in mixed gas diving. Practical sessions include a chamber dive. Extensive use is made of case history material to provide familiarity with the clinical features of diving casualties and confidence in their recognition and management.

Numbers on the Medicine of Mixed Gas Diving course are restricted to a maximum of 12 because of the practical components and the extensive use of small group seminars.

Please contact us if you require further details regarding any of the courses. Please ask if you would like information about accommodation close to the site.

The registration fee in 2010 is £750. This does not include accommodation or meals but light refreshments are provided.

Please return the registration form to:

Diving Medicine Courses  
Hyperbaric Medicine Unit  
Aberdeen Royal Infirmary  
Foresterhill, Aberdeen, AB25 2ZN

Tel: +44 (0) 1224 553264 (weekdays 8 – 4)

Fax: +44 (0) 1224 553841 or 01224 692222

E-mail: [sdm.aberdeen@nhs.net](mailto:sdm.aberdeen@nhs.net)

