

PARA-RESCUE MEDICAL AID COURSE
(Total 220 Hours)

To provide an intensive course of instruction in emergency medical care, which will be one phase of the Para-rescue and Survival training for Medical Service Corps officers who subsequently will be assigned for duty as Survival Specialists with Para-rescue teams of the Air Rescue Service. These officers are being trained as an expedient to replace physicians available for assignment. This course of instruction is intended to provide selected Medical Service Corps officers with specialized training in emergency medical care in order that they will be able to administer medical treatment to distressed personnel in remote or temporarily inaccessible locations as authorized by AF Letter 53-9 date 6 Oct 49.

ADMISSION REQUIREMENTS:--A perspective student must be assigned to a zone of interior command at time of application; be a Medical Department commissioned officer of company grade, or be an enlisted man not above the grade of staff sergeant; and if in the Medical Department, hold SSN 409 or 861; be physically qualified for general duty (DA AGO Form 63) (Formerly WD AGO Form); be between 23 and 36 years of age, inclusive; weight not more than 190 pounds; be not less than five feet six inches in height; be eligible for oversea duty; possess AGCT of 100 or higher; be willing to participate in parachute jumping as an essential part of his duties; have at least fifteen months to serve in his current enlistment or indicate willingness to extend his enlistment period or reenlist prior to transfer to Air Rescue Service.

SCHEDULE OF COURSE: -- Class 49A, 4 April to 3 May 1949.

AIR EVACUATION: (4 hrs) -- Litter dressing--drill and litter loading for aircraft.

DENTISTRY: (15 hrs) -- A study of the anatomy and physiology of the face and jaw and emergency treatment of fractures and injuries of the face and jaw including local anesthesia and extractions. Included is a study of dental records. Lecture, 12 hours; problems, 3 hours.

GLOBAL PREVENTIVE MEDICINE: (10 hrs) -- Control of the intestinal, respiratory and insect borne disease. Nutrition, diets and water supplies. Field sanitation. Malaria discipline and control. Lectures, 10 hours.

INTERNAL MEDICINE: (17 hrs) -- Acute cardiac emergencies (coronary insufficiency), cardiac tamponade, and paroxysmal arrhythmias. Determination and significance of blood pressure. Respiratory emergencies, pneumonia, spontaneous pneumothorax, hemothorax.

Skin diseases. Approach to abdominal pain, dysentery and diarrhea. Exposure to heat and cold. Diagnosis and treatment of malaria. Hypodermic medications. Lecture, 12 hours; problems, 5 hours.

MEDICAL ADMINISTRATION: (3 hrs) -- Immunization records; records and reports of the sick and wounded; supply and property -- emergency procurement. Lectures, 3 hours.

NEUROPSYCHIATRY: (10 hrs) -- Anatomy, physiology and diseases of the nervous system. Adjustment problems in mental stress. Neuropsychiatric conditions and transitory personality disorders. Lectures, 10 hrs.

OPHTHALMOLOGY: (7 hrs) -- Anatomy and physiology of the eye and the technique of examining the eye. Use of eye drugs and anesthetics in the treatment of eye conditions, and drugs which should be available. Removal of foreign body from conjunctiva and cornea. Preparation of eye injury cases for evacuation. Care of intraocular hemorrhages. Removal of Foreign bodies from the cornea of pig's eyes and preparation of conjunctival flap. Demonstration of staining of the cornea. Protection of the eyes from cold, actinic rays and wind blasts. Lectures, 5 hours; problems, 2 hours.

OTORHINOLARYNGOLOGY: (13 HRS) -- Anatomy, physiology and diseases of the ear, nose, and throat. Ear, nose and throat complications of flying. Treatment of maxillofacial wounds. Lectures, 13 hrs.

PHARMACOLOGY: (11 hrs) -- An indoctrination in the use of the metric and apothecary system of weight and measures. A brief but comprehensive orientation on the nature and use of the more commonly used and available medications. Lectures, 11 hours.

PHYSIOLOGY: (22 hrs) -- Physiology of respiration and circulation, hypoxia and asphyxia. Artificial respiration and oxygen therapy. Study of oxygen resuscitator kit and other oxygen equipment. Lectures, 13 hours; problems, 9 hours.

SURGERY: (108 HRS) -- An intensive review of human anatomy. Management and emergency treatment of wounds and injuries. Fractures, sprains, and dislocations. Shocks, intravenous medication, and peripheral vascular diseases. Brain and spinal cord injuries; intestinal ulcers, cancer and bleeding; genitourinary stones, cancer and retention. Aseptic surgical techniques. Frostbite and burns. Chemo-therapy of surgical conditions in transit. Differential diagnosis of bleeding. Lectures, 58 hours; applicatory exercises, 50 hours.