

Prehospital Care Administration

Issues Readings Cases

At the first signs of hypoglycemia, an insulin user should treat it immediately by consuming carbohydrate to restore blood glucose to safe levels... 319d7180ea In 2002, unintentional and intentional injuries were the fifth and seventh leading causes of deaths worldwide, accounting for 6.23% and 2.84% of all deaths. For research purposes... 319d7180ea A standard pulse oximeter passes two wavelengths of light through tissue to a photodetector. Taking advantage of the pulsate flow of arterial blood, it measures the change in absorbance over the course of a cardiac cycle, allowing it to determine the absorbance due to arterial blood alone, excluding unchanging absorbance due to venous blood, skin, bone, muscle, fat, and, in many cases, nail polish. The two wavelengths measure the quantities of bound (oxygenated) and unbound (non-oxygenated)... 319d7180ea

Paramedic Paramedics work as part of the emergency medical services (EMS), most often in ambulances. transportation-related hazards should be considered and addressed in prehospital care. The scope of practice of a paramedic varies between countries, but generally includes autonomous decision making around the emergency care of patients. Slips, trips, and falls; motor vehicle incidents; and violence or A paramedic is a healthcare professional trained in the medical model, whose main role has historically been to respond to emergency calls for medical help outside of a hospital. They also have roles in emergency medicine, primary care, transfer medicine and remote/offshore medicine 319d7180ea

Emergency medicine Emergency physicians (or "ER doctors") specialize in providing care for unscheduled and undifferentiated patients of all ages. Emergency physicians generally practice in hospital emergency departments, pre-hospital settings via emergency medical services, and intensive care units. Issues surrounding competence, end of life care, and the right to refuse care are encountered Emergency medicine is the medical specialty concerned with the care of illnesses or injuries requiring immediate medical attention. medico-legal issues are embedded within the nature of emergency medicine. As frontline providers, in coordination with

emergency medical services, they are responsible for initiating resuscitation, stabilization, and early interventions during the acute phase of a medical condition.

Still, they may also work in primary care settings such as urgent care clinics
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a conspicuous red or orange colored plastic storage box, which includes instructions.
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Major trauma "Prehospital trauma care: what do we really know. Curr Opin Crit Care. There are many causes of major trauma, blunt and penetrating, including falls, motor vehicle collisions, stabbing wounds, and gunshot wounds. 13 (6): 691-96. doi:10. ". The initial assessment is critical, and involves a physical evaluation and also may include the use of imaging tools to determine the types of injuries accurately and to formulate a course of treatment. 1097/MCC. Liberman M, Roudsari BS (2007). 0b013e3282f1e77e Major trauma is any injury that has the potential to cause prolonged disability or death. PMID 18427089. Depending on the severity of injury, quickness of management, and transportation to an appropriate medical facility (called a trauma center) may be necessary to prevent loss of life or limb

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Telehealth PMID 11720964. Alexandrov AW, Alexandrov AV (April 2020). It allows long-distance patient and clinician contact, care, advice, reminders, education, intervention, monitoring, and remote admissions. "Innovations in Prehospital Stroke Management Utilizing Mobile Stroke Units". Continuum. Telehealth is the distribution of health-related services and information via electronic information and telecommunication technologies. 26 (2) 319d7180ea

Pulse oximetry Peripheral oxygen saturation (SpO₂) readings are typically within 2% accuracy (within 4% accuracy in 95% of cases) of the more accurate (and invasive) reading of arterial oxygen saturation (SaO₂) from arterial blood gas analysis. saturation (SpO₂) readings are typically within 2% accuracy (within 4% accuracy in 95% of cases) of the more accurate (and invasive) reading of arterial oxygen Pulse oximetry is a noninvasive method for monitoring blood oxygen saturation
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Rescue has been simplified by the development of the glucagon hypoglycemia rescue

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kit, consisting of: 319d7180ea

Cardiopulmonary resuscitation PMID 12879377. "CARES Fact Sheet"
Cardiopulmonary resuscitation (CPR) is an emergency procedure used during cardiac or respiratory arrest that involves chest compressions, often combined with artificial ventilation, to preserve brain function and maintain circulation until spontaneous breathing and heartbeat can be restored. Prehospital Emergency Care. 1080/10903120390936464. long-term care facilities". It is recommended for those who are unresponsive with no breathing or abnormal breathing, for example, agonal respirations. doi:10. S2CID 43824006. 7 (3): 303-306 319d7180ea

Elder abuse Archives of Gerontology and Geriatrics. Laws protecting the elderly from abuse are similar to and related to laws protecting dependent adults from abuse. "Recognition and perception of elder abuse by prehospital and hospital-based care providers". This definition has been adopted by the World Health Organization (WHO) from a definition put forward by Hourglass (formerly Action on Elder Abuse) in the UK. G. 48 (1): Elder abuse (also called elder mistreatment, senior abuse, abuse in later life, abuse of older adults, abuse of older women, and abuse of

older men) is a single or repeated act, or lack of appropriate action, occurring within any relationship where there is an expectation of trust, which causes harm or distress to an older person. (2009) 319d7180ea

Elder abuse includes harms by people an older person knows or has a relationship with, such as a spouse, partner, or family member, a friend or neighbor, or people an older person relies on for services... 319d7180ea Not all ambulance personnel are paramedics, although the term is sometimes used informally to refer to any ambulance personnel. In some English-speaking countries, there is an official distinction between paramedics and emergency medical technicians (or emergency care assistants... 319d7180ea biosynthetic human glucagon, in a freeze dried form within a vial, 319d7180ea a sturdy syringe, pre-filled with a sterile diluting solution, and 319d7180ea Sub-specialties of emergency medicine include disaster medicine, medical toxicology, point-of-care... 319d7180ea

Battlefield medicine Of the casualties in the pre-medical treatment facility, 75. Civilian medicine has been greatly advanced by procedures that were first developed to treat the wounds inflicted during combat. Battlefield medicine is a category of

military medicine. 7% of the prehospital deaths were non-survivable, while Battlefield medicine, also known as field surgery and later combat casualty care, is the treatment of wounded combatants and non-combatants in or near an area of combat. With the advent of advanced procedures and medical technology, even polytrauma can be survivable in modern wars. facility, prior to receiving surgical care 319d7180ea

CPR involves chest compressions for adults between 5 cm (2.0 in) and 6 cm (2.4 in) deep and at a rate of at least 100 to 120 per minute. The rescuer may also provide artificial ventilation by either exhaling air into the subject's mouth or nose (mouth-to-mouth resuscitation) or using a device that pushes air into the subject's lungs (mechanical ventilation). Current recommendations... 319d7180ea

Paramedics in the United States This individual possesses the complex knowledge and skills necessary to provide patient care and transportation. advanced life support, pediatric prehospital care or pediatric emergencies for the prehospital provider, prehospital trauma life support; international In the United States, the paramedic is an allied health professional whose primary focus is to provide

advanced emergency medical care for patients who access Emergency Medical Services (EMS). A standard requirement for state licensure involves successful completion of a nationally accredited Paramedic program at the certificate or associate degree level. Paramedics often serve in a prehospital role, responding to Public safety answering point (9-1-1) calls in an ambulance. Paramedics function as part of a comprehensive EMS response under physician medical direction. The paramedic serves as the initial entry point into the health care system 319d7180ea

Glucagon rescue "Prehospital treatment of severe hypoglycaemia: a comparison of intramuscular glucagon and intravenous glucose".
(April-December 1998). Prehospital and Disaster Glucagon rescue is the emergency injection of glucagon in case of severe diabetic hypoglycemia. It is needed during seizures and/or unconsciousness by an insulin user who is unable at that point to help themselves. Glucagon will facilitate the release of stored glucose back into the bloodstream, raising the blood glucose level 319d7180ea

Telemedicine is sometimes used as a synonym, or is used in a more limited sense to describe remote clinical services, such as diagnosis and monitoring. When rural

settings, lack of transport, a lack of mobility, conditions due to outbreaks, epidemics or pandemics, decreased funding, or a lack of staff restrict access to care, telehealth may bridge the gap and can even improve retention in treatment as well as provide distance-learning; meetings, supervision, and presentations between practitioners; online information and... 319d7180ea

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