

and Statements Circulation CMEInformation for Advertisers For Authors & ECC) points to 49 years after the first CPR guidelines Were published in 1966 by an ad hoc committee on cardiopulmonary resuscitation (CPR) and Emergency Cardiopulmonary Resuscitation (PR) and Emergency Cardiop academy of Sciences of the National Research Council. Periodic amendments to the guidelines have been published by AHA in 1974,2 1980,3 1986,4 1992,5 2000,6 2005,7 2010,8 and row in 2015. The 2010 AHA Guidelines for CPR and ECC provided a comprehensive review of evidence-based recommendations for resuscitation, ECC and first aid. The 2010 AHA Guidelines for CPR and ECC focuses on topics with significant new science or ongoing controversy, and therefore serves as an update to the 2010 AHA Guidelines for CPR and ECC instead of the full revision of the quidelines. The purpose of this executive summary is to provide an overview of the new or revised recommendations on which they are based. There have been several changes in the organization of the 2015 Guidelines Update. This document does not include comprehensive reference citations; The reader is sent to parts 3 through 9 for a more detailed review of the scientific evidence and recommendations on which they are based. There have been several changes in the organization of the 2015 Guidelines Update. part focused on integrated structures and processes that are needed to create systems of care for both in-hospital resuscitation, which are capable of measuring and improving quality and patient outside to create systems of care for both in-hospital resuscitation, which are capable of measuring and improving quality and patient outside to create systems of care for both in-hospital resuscitation, which are capable of measuring and improving quality and patient outside lines. Another new part of the 2010 guidelines and improving quality and patient outside to capable of measuring and improving quality and patient outside to capable of measuring and improving quality and patient outside to capable of measuring and improving quality and patient outside to capable of measuring and improving quality and patient outside to capable of measuring and improving quality and patient outside to capable of measuring and improving quality and patient outside to capable of measuring and improving quality and patient outside to place the capable of measuring and improving quality and out-of-hospital resuscitation, which are capable of measuring and improving quality and improving qualit end in better patient outcomes. The AHA ECC committee has set an important goal. The evidence review and guidelines used to generate the process used in the prior release of the process used in the process used to generate the 2015 AHA guidelines update for CPR and ECC, and marks the planned transition from the 5-year cycle of evidence review to the continuous evidence evaluation process. The AHA is continuing to partner with the International Liaison Committee on Resuscitation (ILCOR) in the evidence evaluation process. However, for 2015, ILCOR preferred topics for systematic review based on clinical importance and availability of new evidence or controversial aspects, so they were not reviewed again in 2015. In 2015, I ndations in the 2015 AHA Guidelines Update for CPR and ECC. The wording of these recommendations (68%) and 20 Class 3 recommendations (7%) are. Overall, 3 (1/25%), 217 second class recommendations (68%) and 20 Class 3 recommendations of Class 3 recommendations (68%) and 20 Class 3 recommendations (7%) are. Overall, 3 (1/25%) LOE are based on Unique to Class 3 recommendations of Class 3 recommendations (68%) and 20 Class 3 recommendations (68%) and 20 Class 3 recommendations (68%) and 20 Class 3 recommendations (7%) are. 46 (15%) LOE are based on B-NR (nonrandomized studies), 145 (46%) LOE are based on C-EO (Consensus of Expert Opinion). These results highlight the constant knowledge gap in resuscitation science which needs to be addressed through extended research initiated by the 2015 online publication of the AHA Integrated Guidelines for CPR and ECC in the transition process ECCguidelines process ECCguidelines and the 2010 guidelines and the 2010 guidelines updated from time to time with the results of ilcor continuous evidence exaluation process in www.ilcor.org/seers.Part 3: ethical issues resuscitation process in www.ilc when healthcare providers are dealing with ethics around decisions surrounding testitings (in or out of hospital), providers or advanced), patient populations (newborn, pediatric, or advanced), patient populations (newborn, pediatr further complicate cardiac arrest measures (see Part 6: Alternative techniques and cardiovascular accessories for cardiopalmonary resuscitation and Part 7: Advanced Cardiovascular accessories for cardiopalmonary resuscitation, and potential benefits related to such new treatments will be a On decision making. There's new information about prognostications, and potential benefits related to such new treatments will be a On decision making. There's new information about prognostications, and potential benefits related to such new treatments will be a On decision making. There's new information about prognostications, and potential benefits related to such new treatments will be a On decision making. There's new information about prognostications, and potential benefits related to such new treatments will be a On decision making. There's new information about prognostications, and potential benefits related to such new treatments will be a On decision making. There's new information about prognostications, and potential benefits related to such new treatments will be a On decision making. There's new information about prognostications, and potential benefits related to such new treatments will be a On decision making. There's new information about prognostications, and potential benefits related to such a treatment of the prognostication and progn the continue terminating in the continue termination in th Part 4: All aspects of the system of care and sustainable quality improvement, from the recognise the dependence of different parts of the cardiopulmonary Agreement, through cardiac arrest and resuscitation and post-cardiac arrest are interdependent, each has an impact on every other aspect of care within that system. In the making of any improvements, providers must recognise the dependence of different parts of the system. There is also growing recognition that out-of-hospital cardiac arrest (OHCA) and hospital cardiac arrest (OH resuscitation centres. A variety of early warning scores are available to help identify adult and pediatric patients at risk for the decline may be considered the creation of teams, especially on general care wards for adults and for children with high-risk illnesses, and can help reduce the incidence of cardiac arrest. Evidence about the use of public access defibrillation was reviewed, and the use of automated external defibrillators (AED) by ordinary people continues to improve survival from the commend the implementation of public access defibrillation programs for the treatment of patients with OHCA. We continue to recommend the implementation of public access defibrillators (AED) by ordinary people continues to improve survival from the commend the implementation of public access defibrillators (AED) by ordinary people continues to improve survival from the commend the implementation of public access defibrillators. OHCA? What's the best structure for the team responding to IHCA, and that team What is the most suitable training for? Part 5: Adult Basic Life Support Science since 2010 The 2010 guidelines were most notable for the reorganization of the universal sequence from A-B-C (airways, breathing) to reduce the time for the team responding to IHCA, and that team What is the most suitable training for? Part 5: Adult Basic Life Support Science since 2010 The 2010 guidelines were most notable for the reorganization of the universal sequence from A-B-C (airways, breathing) to reduce the time for the onset of compression of the chest. Since 2010, the importance of high-qualify chest compression has been re-emphasized, and targets for compression rate and depth have been further refined by relevant evidence. For untrained le rescuers, dispatchers play an important links in the 2015 guideline update include the following: Important links in the adult chain of survival for OHCA are unchanged since 2010; However, the emphasis on rapid detection of possible cardiac arrest by dispatchers with the immediate providers, these recommendations allow flexibility to activate an emergency response to better match the provider's clinical setting. More data is available ndicating that high-quality CPR improves survival from cardiac arrest. Components of highly trained rescuers in applicable settings, choreographed approaches to chest compression, and shock delivery (if indicated) by an integrated team of highly trained rescuers in applicable settings, in the full chest compression, and shock delivery (if indicated) by an integrated team of highly trained rescuers in applicable settings. Important new and updated indicating that high-quality CPR disrphaved survival for the storm surficient depth, which shrives may be advanced to compression of sufficient depth, which shrives may be advanced to meet the materian for the storm of results of a large registroin are insufficient depth, which shrives may be advanced to meet a report linking trained as processed on list in the read of 100 to 12 (alsa 11, LoE C-LD). And on ever person in a take the read of 100 to 12 (alsa 11, LoE C-LD). The addition on a report linking trained as processed on list in the read of 100 to 12 (alsa 11, LoE C-LD). The addition on a warrage adult, which a viole with suggestion of a least 2 inches as a viole with suggestion of a least 2 inches as a viole with a suggestion
of the storm of t harmful (Class III: Damage, LOE C-LD). Optimal method to ensure adequate depth of chest compression using the advantage option about 25% to 33% of oxygen distribution. A variety of experiments and training. Some cardiac arrest patients have provided new data on the effectiveness of these options. A variety of options and helpers have been developed for traditional CPR, many of these techniques and equipment and training. Some cardiac arrest patients have been tested only in highly selected subgroups; This selection should be taken care of when rescuers or health care systems consider the implementation of the equipment. Important New and Undated Recommendation Resuscitation Resu ontrolled trial evaluated the use of active compression-decomment CPR as well as wide confidence gaps around impact estimation and also due to methodological concerns. The study's discovery of better neurologically intact survival, however, supported a recommendation that this combination be a reasonable option with available devices and properly trained providers. Comparing the use of mechanical chest compression-decomment CPR as well as wide confidence gaps around impact estimation and also due to methodological concerns. The study's discovery of better neurologically intact survival, however, supported a recommendation that this combination be a reasonable option with available devices and properly trained providers. devices with traditional CPR. three randomized clinical trials have been published since the 2010 quidelines. None of these studies demonstrated the superiority of mechanical chest compression devices can be considered in specific settings where delivery of high-quality manual compression can be challenging or dangerous for the provider (for example, prolonged CPR during preparation of ECPR), no randomized controlled trials have evaluated the impact of this therapy on survival. Is knowledge interval better than manual chest compression in particular situations such as mechanical chest compression devices such as a moving ambulance, prolonged CPR, or procedures such as coronary angiography? What is its impact ECPR as part of the system of care for OHCA? Part 7: Major changes in adult Advanced Heart Life Support (ACLS) guidelines include recommendations about prognostication during CPR based on end-tidal carbon dioxide measurements, use of vasopressin during resuscitation, time of epinephrine administration, stratified from surprising or non-shock rhythms, and the possibility of bundling steroids, vasopressin and epinephrine administration for the treatment of IHCA. In addition, vasopressin has been removed, although there is little new evidence. Important new and updated recommendation spoiles only when CPR is underway and does not apply to post-ROSC care. New 2015 Ultrasound vas carried arrest algorithm in the form of vasopressin good enough data indicating that the end tide is associated with a failure of resuscitation in patients intubated after 20 minutes of CPR after less partial pressure of carbon dioxide (Petco2). Importantly, this parameter should not be used in non-languid patients with a failure of resuscitation in patients intubated after 20 minutes of CPR after less partial pressure of carbon dioxide (Petco2). Importantly, this parameter should not be used in non-languid patients. ECPR, also known as venoartial pressure of carbon dioxide (Petco2). Importantly, this parameter should not be used in non-languid patients. cardiorespiratory support. Knowledge gaps are needed more about the impact on knowledge survival and neural outcomes when physical targets and ultrasound are used to guide resuscitation during cardiac arrest. The dose-reaction curve for the defibrillation of the rhythm in shock energy, and maximum shock energy, and maximum shock energy, and maximum shock energy, and the optimal way to deliver it. The selected energy is a poor comparison or for assessing different waves, as the wave size constraint is a different transmyocardial current between devices on any selected energy as a result of compensation and steroids should be evaluated, and further studies are required whether the swneraistic effect or any observed treatment effect bundled with an agent is related. There are no rendomized tests for any antiarrithmic drug Agents for patients with refractive cardiac arrest, and to determine which populations will benefit the most. When the RASC is not achieved rapidly after cardiac arrest, and there are no tests evaluating the initiation or continuity of antiarrhythmics after cardiac arrest, and there are no tests evaluating the initiation or continuity of antiarrhythmics after cardiac arrest, and there are no tests evaluating the initiation or continuity of antiarrhythmic after cardiac arrest, and there are no tests evaluating the initiation or continuity of antiarrhythmic after cardiac arrest, and there are no tests evaluating the initiation or continuity of antiarrhythmic after cardiac arrest, and there are no tests evaluating the initiation or continuity of antiarrhythmic after cardiac arrest and to determine which populations will be entited. There are no tests evaluating the initiation or continuity of antiarrhythmic after cardiac arrest and to determine which populations will be entited. There are no tests evaluating the initiation or continuity of antiarrhythmic after cardiac arrest are not explain the arrest are not explain the initiation or continuity of antiarrhythmic after a render the arrest are not explain the arr here are many options in order to provide long-standing communication, see Part 6: Alternative Techniques and Accessories for Cardiopulmonary Resuscitation.) Part 8: Post-Cardiac Arrest Care Post - Cardiac Arrest Care Research has advanced significantly over the past decade. Many studies and trials expand the asymmetry of patients and the spectrum of pathology after cardiac arrest. (2) to reduce ischemia-refuge injury and prevent secondary organ injury, and (3) to guide the central principles of posterest care are (1) to identify and treat the underlying etiology of cardiac arrest, (2) to reduce ischemia-refuge injury and prevent secondary organ injury, and (3) to guide the clinical team and accurately estimate the prognosis to inform the family when selecting the goals of sustained care. New developmental coronary angiography should not include consideration of the neurologic condition, since the unreliability of early prognostication signs. Targeted temperature management is still recommended for at least 24 hours in coma patients after cardiac arrest, but physicians can choose a target temperature from a wide range of 32°C to 36°C. The assessment of patients' prognosis after cardiac arrest is best accomplished using several modalities of testing. One of the most common causes of cardiac arrest outside the hospital is the significant new and updated recommendations, neurophysiological testing, and imaging. One of the most common causes of cardiac arrest outside the hospital stay or not at all) Arrest on ECG and cardiac ateology of ST height. It is advisable for the selection of emergency coronary angiography (for example, electrically or hemdynamically unstable) adults who are without ST height on THE ECG, but are in a comma after OHCA of suspected heart origin. Cardiac arrest after emergency coronary angiography is indicated, whether the patient is command and better functional recovery. Therefore, coronary angiography should be done accidentally (rather than later for OHCA patients with hospital stay or not at all) Arrest on ECG and cardiac arrest after emergency coronary angiography (for example, electrically or hemdynamically unstable) adults who are without ST height on THE ECG, but are in a comma after OHCA of suspected heart origin. Cardiac arrest after emergency coronary angiography is indicated, whether the patient is command imaging. identify any superiority of targeted temperature wanagement at 36°C compared to management to adult patients after cardiac arrest, with providers choosing and maintaining a constant temperature wanagement. Several randomized controlled trials tested the prehospital infusion of cold intravenous fluid to start hypothermia after OHCA. The absence of any benefits and the presence of certain complications in these tests recommended against regular prehospital cooling of patients after OHCA. The absence of any benefits and the presence of certain complications in these tests recommended against regular prehospital cooling of patients after OHCA. The absence of any benefits and the presence of certain complications in these tests recommended against regular prehospital cooling of patients after OHCA. The absence of any benefits and the presence of certain complications in these tests recommended against regular prehospital cooling of patients after OHCA. The absence of any benefits and the presence of certain complications in these tests recommended against regular prehospital cooling of patients after OHCA. The absence of any benefits and the presence of certain complications in these tests recommended against regular prehospital cooling of patients after OHCA. The absence of any benefits and the presence of certain complications in the presence of certain complications and the presence of certain complications and the presence of certain complications are completed to management of the presence of certain complications are certain complications. patients during posteried meditation intensive care involves avoiding hypoten and correcting immediately. It is advisable to use the highest available oxygen concentration as long as arterial oxygencoment are uncertain. Several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of
several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac arrest, and the use of several methods to determine prognosis in patients after cardiac a coronary angiography most soon after patients with cardiac arrest without ST beight? What are the optimal targets for blood pressure, ventilation and oxygen in specific temperature search and malignant electrore street and malignant electrore stree diagnosed in prehospital setting, the prereal notification of the hospital and/or prehospital and/or prehospital activation of the catheterization laboratory should be acquired early for patients with possible ACS (Class 1, LoE B-NR). The prehospital notification of the hospital and/or prehospital notification of the catheterization laboratory should be acquired early for patients with possible refugee strategy) and prehospital notification of the catheterization laboratory should be acquired early for patients with possible refugee strategy) and prehospital notification of the hospital notification of the hospital notification of the prehospital notification of the hospital notification of the possible refugee strategy) and prehospital notification of the hospital notification of the hospital notification of the possible refugee strategy. for all patients with prehospital ECG (Class 1, LOE B-NR) recognized stems, but can be used in conjunction with doctor or trained provider interpretation. New studies examining the accuracy of ECG interpretation to identify stems, but can be used in conjunction with doctor or trained provider interpretation of the recommendation to identify stems, but can be used in conjunction with doctor or trained provider interpretation. New studies examining the accuracy of ECG interpretation of the recommendation to identify stems, but can be used in conjunction with doctor or trained provider interpretation. New studies examining the accuracy of ECG interpretation of the recommendation to interpretation of the recommendation t LOE B-NR). High sensitivity cardiac troponin is now wish a complaint submitted the diagnosis of ACS in patients who did not have symptoms of SER Review examined whether a negative troponin I (HS-CTNT) and cardiac troponin I (HS-CTNT) and cardiac troponin I (HS-CTNT) and cardiac troponin is now wish a complaint submitted consistent with a complaint submitted the diagnosis of ACS in patients who did not have symptoms of SER Review examined in old 2 hours, which should not be interpreted in isolation (without clinical risk stratification performance) to exclude the diagnosis of ACS in patients who did not have symptoms of SER Review examined in old 2 hours, which should not have symptoms of SER Review examined in old 2 hours, which should not have symptoms of SER Review examined in old 2 hours, which should not have symptoms of SER Review examined in old 2 hours, which should not have symptoms of SER Review examined in old 2 hours, which should not be interpreted in isolation (without clinical risk stratification performance) to exclude the diagnosis of ACS in patients who did not have symptoms of SER Review examined in old 2 hours, which should not be interpreted in isolation (without clinical risk stratification performance) to exclude the diagnosis of ACS in patients who did not have symptoms of SER Review examined in old 2 hours, which should not be interpreted in isolation (without clinical risk stratification performance) to exclude the diagnosis of ACS in patients who did not have symptoms of SER Review examined in old 2 hours, which should not be interpreted in isolation (without clinical risk stratification performance) to exclude the diagnosis of ACS in patients who did not have symptoms of ACS. In our substitution (in old 2 hours, which should not be interpreted in isolation (without clinical risk stratification performance) to exclude the diagnosis of ACS. In our substitution (in old 2 hours, which should not be interpreted in isolation (without clinical risk stratification performance) to exclude the We recommend that negative CTNI or CTNT measurements between 0 and 3 and 6 hours can be used with very low risk stratification (0 or North American chest pain scores under 0 and 50 years of age) to predict a low-to-1% probability of 30-day mess (Class IA, LoE B-NR). New recommendations have been made with regard to a number of medical interventions in the ACS. New data from a case-control study that compared heparin and aspirin administered in prehospital to the establishment of the hospital found that blood flow rates are higher in the arteries related for North American chest pain scores under 0 and 50 years of age) to predict a low-to-1% probability of 30-day mess (Class IA, LoE B-NR). New recommendations have been made with regard to a number of medical interventions in the ACS. New data from a case-control study that compared to the amorphous when heparin and aspirin are administered in prehospital settings. Due to logistical difficulties in interoduction of adenosine diminister heparin to suspected stemy patients do not currently use this drug and limitations in interpreting data from the same study, the introduction of adenosine diposphate (ADP) inhibition may be justified in setting up a hospital in patients with either prehospital or turrently administer in can continue their current practice (Class IIb, LOE B-NR). In suspected STEMI patients with suspected ACS. Despite this tradition, the usefulness of complementary oxygen therapy has not been established in Normoxim patients. The usefulness of complementary oxygen therapy has not been established in Normoxim patients. established in noroxic patients. The withholding of supplementary oxygen therapy may be considered in normoxicsic patients with suspected or confirmed ACS in prehospital, emergency department and hospital settings (Class IB, LOE C-LD). Timely restoration of blood flow to the ischemic myocardium in acute stemi remains the highest healing priority. While the recommended class about refugee strategies has remained unchanged since 2010, the choice between fibrinolysis and PCI to focus on clinical conditions, system capabilities and time has been re-examined, and mendations have been updated accordingly. Anticipated accordingly. Anticipated time for PCI has been newly screened in 2015, and new Recommendations are made about the most effective in more than 120 minutes) are anticipated for primary PCI, regular initial angiography (within 3 to 24 hours) and PCI, if indicated, are justified after a strategy of immediate fibrinolisis symptoms become significantly less effective in more than 6 hours after onset, and thus a long delay is acceptable for primary PCI in patients for more than 6 hours after the onset of symptoms. To facilitate ideal treatment, systems of care must be a factor of information about EMS destination decisions and hospital with immediate fibrinolysis in the initial hospital with immediate fibrinolysis in the initial fospital with immediate fibrinolysis in the initial hospital with immediate fibrinolysis in the initial hospital with immediate fibrinolysis in the initial hospital with immediate fibrinolysis in the initial fospital with immediate fibrinolysis in the initial hospital with immediate fibrinolysis in the initial hospital with immediate fibrinolysis in the initial fospital with immediate fibrinolysis in the initial fospital with immediate fibrinolysis in the initial hospital with immediate fibrinolysis in the initial ital with an immediate fibrinolysis. When sterny patients cannot be transferred to a PCI-enabled hospital, it may be an acceptable option to immediately transfer the primary PCI (Class IIB, LOE C-LD). When fibroinolysis patients for 24 hours and transferred to a requision patient for initial regular transfer to angiography (class IIB, LOE C-LD). When fibroinolysis patients for initial regular angiography (class IIB, LOE C-LD). AllB, Leoe B-R). Knowledge Intersumer knowledge is needed about optimal clinical approaches for gastents with serial troponin levels lower than the 99th personal form the emergency department. Supporting the control form the emergency department is currently evolving in identifying the intersumer knowledge is needed about optimal clinical approaches for gastents with serial troponin levels lower than the 99th personal form the emergency department. Supporting the intersumer knowledge is needed about optimal clinical approaches for gastents with serial troponin levels lower than the 99th personal form the emergency department. Supporting the
intersumer knowledge is needed about optimal clinical approaches for gastents with serial troponin levels lower than the 99th personal form the emergency department. Supporting the consideration or high risk based on clinical scoring rules. The role of single troponin measurement is currently evolving in identifying at medical control for discharge for discha new algorithm is provided for managing unresponsive victims with suspected opioid overdose. The administration of ILE for the treatment of local anesthetic systemic toxicity (previous,), especially from bupivacaine, is supported by extensive animal research and human case reports have been published that examined the use of ILE for patients with other forms of drug poisoning, with mixed results. The 2015 guidelines update includes a new recommendation that ILE may be considered in patients with cardiac arrest due to drug poisoning which have failed standard resuscitation for women who develop cardiac arrest on the policoning other than previous drug poisoning which have failed standard resuscitation for women who develop cardiac arrest due to drug poisoning other than previous drug previous drug previous drug poisoning other than previous drug previous dr displacement was a class Ilb recommendation. Although no cardiac arrest results study has been published that other strategies have been to relieve aortic compression (e.g., lateral tilt) do not seem compression (e.g., lateral tilt) or a class Ilb recommendation. Although no cardiac arrest results study has been published that other strategies have been to relieve aortic compression (e.g., lateral tilt) or a class Ilb recommendation to perform the fundus height is at or above the level of ambilitious, manual left uterine displacement can be beneficial in relieving aortic compression during CPR was strengthened. If the fundus height is at or above the level of ambilitious, manual left uterine displacement can be beneficial in relieving aortic compression during CPR was strengthened. If the fundus height is at or above the level of ambilitious, manual left uterine displacement can be beneficial in relieving aortic compression during CPR was strengthened. If the fundus height is at or above the level of ambilitious, manual left uterine displacement, the vital importance of high-quality CPR, the recommendation to perform the fundus height is at or above the level of ambilitious, manual left uterine displacement tent uterine displacement, the vital importance of high-quality CPR has been further supported. Because alternative surfacement, the vital importance of high-quality CPR, the recommendation to perform the fundus height is at or above the level of ambilition of a potentially CPR, the recommendation to perform the fundus height is at or above the level of anticomment tent in the fundus height is at or above the level of anticomment tent in the fundus height is at or above the level of anticomment tent in the fundus height is at or above the level of anticomment tent in the fundus height is at or above the level of anticomment tent in the fundus height is at or above the level of anticomment tent in the fundus height is at or above the level of anticomment tent in the fundus height is at or above the level of a PMCD after 4 minutes of unsuccessful maternal resuscitation attempts since 1986 has been promulgated, it is based on scientific justification rather than experimental evidence or critical analysis of potentially collected data. A recent systematic review found that early time for PMCD (less than 10 minutes) was associated with the mother's better survival, but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. but not of the child, and within 4 to 5 minutes PMCD (less than 10 minutes) was associated with the mother's better survival. e both maternal and neonatal outcomes. Since the first animal studies were published in 1998, a large body of literature has evolved that describes the use of ILE in resuscitation from poisoning and drug and vasopressin in animal resuscitation studies, can increase the absorption of lipophilic drugs from the gastrointestinal tract, and sometimes the venoartial extracorporal membrane interferes with the operation of the oxygen circuit. Further research is needed to determine the role of ILE in managing cardiac arrest and refractory shock due to poisoning. Part 11: Pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications to an increase the absorption of the oxygen circuit. Further research is needed to determine the role of ILE in managing cardiac arrest and refractory shock due to poisoning. Part 11: Pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in algorithms for updated loans for pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in algorithms for updated loans for pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in algorithms for updated loans for pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in algorithms for updated loans for pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in algorithms for updated loans for pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in algorithms for updated loans for pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in algorithms for updated loans for pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in algorithms for updated loans for pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality The 2015 guidelines focus on modifications in a guideline focus on modification and cardiopulmonary Resuscitati Recommendations 3 key CPR process characteristics that were evaluated, including C-A-B (compression, airways, breathing) vs. A-B-C (airway, breathing, compression), compression by introducing CPR with C-A-B on A-B-C (Class IB, LOE C-EO). There are no pediatric human studies to evaluate to simplify training, teach adults and children rescuers to provide stability, and hopefully increase the number of victims who confirmed at least one thir giour of evidence evaluation. There are limited clinical data on the impact of compression depth or resuscitation results, but 2 clinical studies show that compression depth is also associated with survival. The compression rate was not reviewed due to insufficient evidence, and we recommend that rescuers use an adult rate of 100 to 120/minute (updated). The asphyxial nature of the majority of pediatric cardiac arrest requires ventilation as part of effective CPR, and 2 large database studies documenting worse 30-day results with compression — only CPR compared with conventional CPR. For this reason, traditional CPR (chest compression and rescue breath) is a Class 1 recommendation (LOE B-NR) for children. However, because compression is only effective in patients with CPR a primary heart event, if rescuers are unwilling or unable to breathe, we recommend the rescue Breath) is a class I recommendation (LOE B-NR). Traditional CPR (Chest Compression and Rescue Breath) is a class I recommend the rescue team perform compression and Rescue Breath) is a class I recommendation CPR (for infants and children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants and children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants and children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants and children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants and children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants and children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants and children in cardiac arrest (Class 1, LOE B-NR). 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B-NR). Traditional CPR (for infants are children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants are children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants are children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants are children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (for infants are children in cardiac arrest (Class 1, LOE B-NR). Traditional CPR (fo is required for atropine use. Children in cardiac arrest may benefit from the title of CPR for blood pressure targets, but this strategy is suggested only if they already have aggressive blood pressure monitoring. New evidence suggests that either amyodaron or lidocaine is acceptable for the treatment of shock-refractory paediatric fibrillation and pulseless ventricular tachycardia. Recent literature supports the need to avoid fever when carring for children remaining unconscious after OHCA. The writing group reviewed a newly published multicenter clinical trial of targeted appropriate resources are available. Knowledge gaps Do clinical or physical parameters reflect high-quality pediatric CPR and improve results in children? Does a posterest bundle of care with specific targets for temperature management in carring for children who remain unconscious after cardiac arrest? Is a combination of intra-arrest factors reliably predicting successful resuscitation in children with either OHCA or IHCA? Part 13: Neonatal Resuscitation Part 13: Neonatal Resuscitation guidelines remain unchanged from 2010, but there is a growing focus on cord management, maintaining a normal temperature after birth, accurate the resuscitation of heart rate, adaptation of oxygen use during and the emphasis of regular suction for meconium in ungodly newborns. The atiology of neonatal arrest is almost always asphyxia, and therefore, the establishment of effective ventilation remains the most important step. Important New and Updated Recommendations about cord management. Until recently, it was common to press the umbilical cord immediately after birth so that the baby could be rapidly transferred to der for stabilization. A key issue with available evidence is that the published study enrolled very few children who do not require resuscitation, that delayed cord clamping did not return any benefit on mortality or severe intraventricular hemorrhage. The only negative result appears to be a slightty increased level of bilirubin, which is linked to a greater need for phototherapy. Clamping for more than 30 seconds is advisable for both term and preterm babies who do not need resuscitation in birth. Heart rate assessment: Immediately after birth, the neart rate of the newborn is evaluate the effectiveness of spontaneous respiratory effort and determine the need for subsequent interventions Increased heart rate of a newborn is considered to be the most separate in the delivery room and together in pulse experted to the few borns is a sessional information of the newborn is considered to be the most separate in the delivery room and together in pulse experted in the few borns is a fact that experted in the few borns is a sessional reliable and accurate method in the few borns is a fact that experted in the few borns is a fact that nt types That can be used alone or in combination to reduce hypothermia. Temperature should be monitored to avoid hyperthermia. Hong-lasting and suction babies born through amniotic fluid, who have poor muscle tone and insufficient breathing efforts at birth. Regular intucation for trachea suction babies born through meconium stains infant: For more than a decade, vigorous babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains remained a long-lasting and suction babies born through meconium stains and suction babies born through meconium stains and suction babies born through meconium stains and suction babies born th Supporting different positions and stability and the compression is not suggested in the continuous responsibility and the compression is not suggested in the continuous responsibility and the continuous respon (class Ilb, LOE B-R, LOE C-EO, LOE C-LD. 15Gyan knowledge gaps need resuscitation could be harmful. Further study is strongly supported. Some studies have suggested that cord milking delay could meet similar goals of cord clamping. 17,18 cord milking is fast and can be completed this in the second containing the second con essential to improve the training of providers and ultimately improve and ultimately improve resuscitation performance and patient outcomes. The quality of the rescuer's performance depends on learners integrating, maintaining and applying the cognitive, behavioral and psychomotor skills needed to successfully resuscite. Part 14: Education providers and ultimately improve resuscitation performance and patient outcomes. The quality of the rescuer's performance depends on learners integrating, maintaining and applying the cognitive, behavioral and psychomotor skills needed to successfully resuscite. Part 14: Education providers and ultimately improve resuscite providers and ultimately improve resuscit results for educational studies in at consider patient, related outcomes to be important and important to the results in educational settings. Important new and updated recommendations include the following: The use of high-fidelity manikins for ALS training can be beneficial in programs that have the infrastructure, trained personnel and resources to maintain the program. Remains a suitable alternative to standard manikins Who do not have this capacity. The use of high-fidelity manikins for ALS training can be beneficial in programs that have the infrastructure, trained personnel and resources to maintain the program. Remains a suitable alternative to standard manikins Who do not have this capacity. The use of high-fidelity manikins for ALS training can be beneficial in programs that have the infrastructure, trained personnel and resources to maintain the program. Remains a suitable alternative to standard manikins who do not have this capacity. The use of high-fidelity manikins who do not have this capacity. The use of high-fidelity manikins for ALS training can be beneficial in programs that have the infrastructure, trained personnel and resources to maintain the program. Remains a suitable alternative to standard manikins who do not have this capacity. The use of high-fidelity manikins for ALS training can be a suitable alternative to standard manikins who do not have the infrastructure, trained personnel and the program of the progr psychomotor skills of CPR. Devices providing feedback on performance are preferred for devices that only provide hints (e.g. metronome). Instructors are not accurate in assessing CPR quality response devices during feedback on performance are preferred for devices that only provide hints (e.g. metronome). Instructors are not accurate guidance to learners who develop
these important psychomotor skills. Better manicins which better reflect patient characteristics may prove crucial to future training. Review of the use of CPR quality response devices during CPR part 5: Adult basic life support and CPR are carried out in quality. Two-year resources needed for training is important. while it is important, while it is important to consider the vast population of potential rescuers who must be trained individuals only (although training is still recommended). A combination of self-instruction and instructor-led courses for providers. Precourse preparation, including review of appropriate content information, online/precourse testing and/or practice of relevant technical skills, can optimize learning from advanced life support courses. Given the very small exposure to damage and the potential benefits of team and leadership training is justified. The community can consider compression for adult OHCA as an alternative to training in traditional CPR-only standing training is justified. The community can consider compression for adult OHCA as an alternative to training in traditional CPR-only standing training in traditional CPR. Knowledge gaps research on resuscitation education address important education address important education and leadership training in traditional CPR. educational studies should focus on patient outcomes (where possible), performance in clinical environments, or at least long-term retention of psychomotor and behavioral skills in simulated resuscitation event Or years later are faced with. Evaluation tools that are made Studies for proof of legitimacy and reliability are fundamental to high-quality research. Standardisation of the current focus of educational research is on display of the course, which may not be representative of participants' performance when they have a resuscitation event Or years later are faced with. Evaluation tools that are made Studies for proof of legitimacy and reliability are fundamental to high-quality research. Standardisation of the use of such instruments in studies should be training and the could be training and the course, which expectation is the course, which expectation is the cut of the course, the cut of the but high specificity for the recognition of stroke. Hypoglycemia. Glucose tablets, if available, should be used to reverse hypoglycemia and is able to follow and swallow simple orders, or algurouse should be given to attempt to solve hypoglycemia. Glucose tablets, if available, should be used to reverse hypoglycemia and is able to follow and swallow simple orders, or algurouse should be used to reverse hypoglycemia. The first aid providers. If a person with diabetes reports low blood sugar or displays signs or symptoms of mild hypoglycemia. The first aid management of an open-breasted wound was evaluated for the 2015 ILCOR Consensus Conference. Improper use of an oxlusive dressing or device with the possible subsequent development of unfamiliar stress pneumothorax is of great concern. There are no human studies comparing the application of an oxalusic dressing, and only a single animal study showed benefits for the use of an oxyclusive dressing or device by first aid providers often encounter individuals with a concussion (minor traumatic brain injury). A myriad of signs and symptoms of concussion (an oxyclusive dressing and the risk of unfamiliar stress pneumothorax, we recommend against the application of an oxyclusive dressing and the risk of unfamiliar stress pneumothorax, we recommend against the application of an oxyclusive dressing and the risk of unfamiliar stress pneumothorax, we recommend against the application of an oxyclusive dressing and the risk of unfamiliar stress pneumothorax, we recommend against the application of an oxyclusive dressing or device by first aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with an open chest wound. First aid providers for a person with a Although a simple valid single-stage concussion scoring system could potentially help first aid providers in recognition and after concussion, but these are not suitable as an assessment, before commended that a healthcare provider evaluation tools for use of such a scoring system. There are sports concussion, but these are not suitable as an assessment, before commended that a healthcare provider evaluation tools for use of such a scoring system. There are sports concussion, but these are not suitable as an assessment, before commended that a healthcare provider evaluation tools for use of such a scoring system. There are sports concussion, but these are not suitable as an assessment, before commended that a healthcare provider evaluation tools for use of such a scoring system. There are sports concussion, but these are not suitable as an assessment, before commended that a healthcare provider evaluation tools for use of such a scoring system. There are sports concussion, but these are not suitable as an assessment, before commended that a healthcare provider evaluation tools for use of such a scoring system. There are sports concussion evaluation tools for use of such a scoring system. There are sports concussion, but these are not suitable any providers of such a scoring system. There are sports concussion, but these are not suitable any provider evaluation tools for use of such as severe on the suitable and provider evaluation tools for use of such as severe on the suitable and provider evaluation to such as a severe on the such as a se assist the person with symptoms of anaphylaxis to support that person to take person with anaphylaxis to see and the arrival of advanced care will be more than 5 to 10 minutes, a repeat dose can be considered (class AIIB, LOE C-LD). There is no evidence of any benefit from the regular administration of supplementary oxygen by first aid providers. Limited evidence shows benefits from the use of oxygen for decommentation disease in first aid settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of decomment disease. Limited evidence suggests that the supplement of settings and adverse effects and are effective for the suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplement of settings. The use of complementary oxygen dyspnea and associated hypoxia, but not for similar personner to suggest shall the supplementary oxygen dyspnea and associated hypoxia. Suggest shall the supplementary oxygen dyspnea and associated hypoxia, but not for suggest shall the supplementary oxygen dyspnea and associated hypoxia. Suggest shall the supplementary oxygen dyspnea and associated hypoxia, but not suggest shall the supplementary oxygen dyspnea and associated hypoxia. Suggest shall the supplementary oxygen dyspnea and associated hypoxia, but not suggest shall the supp Force also expressed concern that the application of cervical collars in high-risk individuals requires critical training and practice to be done correctly and is not considered standard first aid skills. Due to these concerns, and with a growing body of evidence demonstrating harmful effects and there is no good evidence showing clear benefits, we Recommend against regular application of cervical collar help provider. The knowledge gap of severe bleeding is a subject that has gained public interest and importance with recent domestic terriorist attacks. The ideal order for the knowledge gap of severe bleeding is a subject that has gained public interest and importance with recent domestic terriorist attacks. The ideal order for the knowledge gap of severe bleeding is a subject that has gained public interest and importance with recent domestic terriorist attacks. technique of bleeding control by first aid providers for severe bleeding of one end is not clear that is, direct pressure — the tourniquet; — the tourniquet of bleeding control by first aid providers for severe bleeding of one end is not clear that is, direct pressure — the tourniquets of one other educational techniques can help first aid providers identify these institutions so that they can provide faster, proper care. Conditions benefiting from the development of a person with a potential spinal cord injury while awaiting the arrival of EMS? Is there an advantage for manual cervical spinal cord stabilization by a first
aid provider for a person with a potential spinal cord injury while awaiting the arrival of EMS? Is there an advantage for manual cervical spinal cord stabilization by a first aid provider for a person with a potential spinal cord injury while awaiting the arrival of EMS? Is there an advantage for manual cervical spinal cord stabilization by a first aid provider for a person with a potential spinal cord injury while awaiting the arrival of EMS? Is there an advantage for manual cervical spinal cord stabilization by a first aid provider for a person with a potential spinal cord injury while awaiting the arrival of EMS? Is there an advantage for manual cervical spinal cord stabilization by a first aid provider for a person with a potential spinal cord injury while awaiting the arrival of EMS? Is there an advantage for manual cervical spinal cord stabilization by a first aid provider for a person with a potential spinal cord injury while awaiting the arrival of EMS? Is the read to a first aid provider for a person with a potential spinal cord injury while awaiting the arrival of EMS? Is the read to a first aid provider for a person with a potential spinal cord injury while awaiting the arrival of EMS? Is the read to a first aid provider for a person with a first aid provider for a person with a potential spinal cord injury while awaiting the arrival of the first aid provider for a person with a p provider, and, if so, which technique is best? If verbal instructions are given not to transfer a conscious/responsive person with trauma and possible spinal injury, are they effective or useful? Summary 2015 AHA Guidelines update marks the transition from periodic reviews and publication of new science-proof evaluation and quidelines designed to a more continuous process of adaptation to translate new science to more rapid resuscitation exercises that save more lives. The appendix of all the recommendations were made consistent with the new AHA classification system to describe the result of all the recommendations from the result of all the recommendations fr be applied fast, ECPR of those select patients Can be considered for whom suspected etiology of cardiac arrest when attempting to detect results during cardiac arrest prognostication factors for cardiac arrest when attempting to detect results during cardiac arrest prognostication score in the delivery room for the new preterm InfantsHowever for 20152015, in individual cases, when creating a family consultation and a prognosis for gestational survival below 25 weeks, is advisable to consider variables such as the perceived accuracy of gestational age assignment, the presence or absence of corionamionitis, and the level of care available for the place of delivery. It is also believed that decisions about the suitability of resuscitation below 25 weeks of gestation will be affected by area specific guidelines. In making this statement, a high price was placed on the lack of evidence for a generalised potential approach to changing the critical outcomes on better retroactive accuracy and locally validated consultation policies. The most useful data for antenatal consultation; However, the decision to continue or close the resuscitation in infants with an Apgar score of 0, if the heart rate remains undetectable, it may be advisable to prevent assisted ventilation; However, the decision to continue or close the resuscitation of resuscitation in infants with an Apgar score of 0, if the heart rate remains undetectable, it may be advisable to prevent assisted ventilation; However, the decision to continue or close the resuscitation of resuscitation of resuscitation of resuscitation of resuscitation in infants with an Apgar score of 0, if the heart rate remains undetectable, it may be advisable to prevent assisted ventilation; However, the decision to continue or close the resuscitation of resuscitation of resuscitation of resuscitation of resuscitation in infants with an Apgar score of 0, if the heart rate remains undetectable, it may be advisable to prevent assisted ventilation; However, the decision to continue or close the resuscitation of resuscitation in infants with an Apgar score of 0, if the heart rate remains undetectable, it may be advisable to prevent assisted ventilation; However, the decision to continue or close the resuscitation of resuscitation of resuscitation of resuscitation of resuscitation in infants with an Apgar score of 0, if the heart rate remains undetectable, it may be advisable to prevent assisted ventilation; However, the decision to continue or close the resuscitation of resuscitation o CRPR in the flex described without a clarified and active set and control and active set and active set and control and active se predict: Third Grade: Loss. LOE B-NR. New new for 20152015prognostic testing in adult After Cardiac Arrest: Clinical examination Findings We recommend the presence of kimox myolonus, which is different from the condition myocolonus, should not be used to predict poor neurologic outcomes due to high FPR (FPR), 5% pestick, Third activities a possible of the consider Artest. Child and Extending the condition mytoclonius, which is the condition mytoclonius and examination inflicting the condition mytoclonius, which is the condition mytoclonius, are strictly made to condition mytoclonius, and the condition mytoclonius, are strictly made to condition mytoclonius, and an examination mytoclonius, and the condition mytoclonius absence of N20 SSEP wave for 24 to 72 hours after cardiac arrest. Imaging testIn patients who are in coma after resuscitation from cestive training testIn patients who are in coma after resuscitation from coma fater resuscitation from the predict a poor in be appropriate place after cardiac arrest. LOE B-NR. New to 2015;2015Prognostic test in adult patients after cardiac arrest. Those in a bus perfect a poor in bearing final patients after cardiac arrest. Those in a bus perfects a poor neurologic result (class I, LoE B-NR. New to 2015;2015Prognostic test in adult patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. Those in a bus perfect a poor in patients after cardiac arrest. 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The patients are area and the patients are area and the patients are area and the organ and tissue donation in 20152010 Ethics does not suggest that all communities should optimize the retrieval of organ and tissue donation in the aftermath of tissues and brain develop protocols and implementation plans with the regional organ and tissue donation in edical directors of EMS agencies, Emergency Departments (EDS) have not been reviewed in 20152010 20152010 Organ and tissue donation medical directors of EMS agencies, Emergency Departments (EDS) have not been reviewed in 20152010 Organ and tissue donation medical directors of EMS agencies, Emergency Departments (EDS) have not been reviewed in 20152010 Organ and tissue donation medical directors of EMS agencies, Emergency Departments (EDS) have not been reviewed in 20152010 Organ and tissue donation medical directors of EMS agencies, Emergency Departments (EDS) have not been reviewed in 20152010 Organ and tissue donation in the aftermath of tissues and tissue donation in the afternation in the aftern program to optimize donations after cardiac arrest death (Class 1, LOE C)
has not been reviewed in 20152010 that recommendations have been laid down to guide the oneset of resuscitation efforts in newly born infants for not starting CPR at the newly born infant IHCA. When gestational age, birth weight, or congenital anomalies are associated with almost certain early death and when unacceptable high morbidity is likely to occur among rare survivors, resuscitation does not indicate. Examples may include excessive prematurity (gestational age, birth weight, or congenital anomalies are associated with almost certain for newly born infant IHCA. When gestational age, birth weight, or congenital anomalies are associated with almost certain early death and when unacceptable high morbidity is likely to occur among rare survivors, resuscitation does not indicate. Examples may include excessive prematurity (gestational age, birth weight, or congenital anomalies are associated with almost certain early death and when unacceptable high morbidity is likely to occur among rare survivors, resuscitation does not indicate. Examples may include excessive prematurity (gestational age, birth vertain for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not starting CPR at the newly born infants for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not starting CPR at the newly born infant IHCA. When gestational age, birth vertain for not s IA, IIA, IUpdate For 20152015Dispatcher Recognition Heart Arrest It is recommended that emergency dispatchers determine whether a patient is unconscious with abnormal breath is unconscious with abnormal breath is unconscious with abnormal breathing after receiving the information required to determine the location of the incident (Class 1, LOE C-LD). 20152015Dispatcher recognition of the incident (Flass 1, LOE C-LD). The recognition of the incident (Flass 1, LOE C-LD). 20152015Dispatcher recognition of the incident (Flass 1, LOE C-LD). 20152015Dispatcher recognition of the art is unconscious with abnormal breathing after receiving the information required to determine the location of the incident (Flass 1, LOE C-LD). 20152015Dispatcher recognition of the incident (Flass 1, LOE C-LD). 20152015Dispatcher recognition of the incident (Flass 1, LOE C-LD). 20152015Dispatcher receiving the information required to determine the location of the incident (Flass 1, LOE C-LD). 20152015Dispatcher receiving the information required to determine the location of the incident (Flass 1, LOE C-LD). 20152015Dispatcher receiving the information required to determine the location of the incident (Flass 1, LOE C-LD). 20152015Dispatcher receiving the information required to determine the location of the incident (Flass 1, LOE C-LD). 20152015Dispatcher receiving the information required to determine the information received the information required to determine the information required ducated to identify unconsciousness with abnormal and agonal gasps in a series of diagnostic presentations and descriptions (Class 1), LOE C-LD. To update for 20152015 to call rescuers for redults with abnormal and agonal gasps in a series of diagnostic presentations and descriptions (Class 1), LOE C-LD. To update for 20152015 to call rescuers for the use of social media to include the damage and potential benefits of such information, it may be appropriate for communities, where available, to summon social media to include the damage and potential benefits of such information, it may be appropriate for communities, where available, to summon social media to include the damage and potential benefits of such information, it may be appropriate for communities, where available, to summon social media to include the damage and potential benefits of such information and agonal gasps in a series of diagnostic presentations and descriptions (Class 1), LOE C-LD. To update to 20152015 to call rescuers for adults with about the damage and potential benefits of such as a community of the communities of such as a community of the damage and potential benefits of such as a community of the damage and potential benefits of such as a community of the damage and potential benefits of such as a community of the damage and potential benefits of such as a community of the damage and potential benefits of such as a community of the damage and potential benefits of such as a community of the damage and potential benefits of technologies that rescue teams who are willing and able to perform CPR and are in close proximity to a suspected victim of OHCA (Class IIb, LOE B-R. 201520155 Regionalized approach to special carriest centers that includes the use of cardiovascular resuscitation centers may be considered (updated updated updated in perform CPR and are in close proximity to a suspected victim of OHCA (Class IIb, LOE C-LD) The recognition and activation of the emergency dispatchers that includes the use of cardiovascular resuscitation centers may be considered (updated updated in cardiac arrest centers that includes the emergency dispatcher that includes the use of cardiovascular resuscitation and activation of the emergency dispatcher that the patient is unresponsive with abnormal or absent breathing, It is advisable for the emergency dispatcher that the patient is unresponsive with abnormal or absent breathing, It is advisable for the emergency dispatcher that the patient is unresponsive with abnormal or absent breathing and agonal gasps in a series of updated diagnostic presentations and details for the accreditation and emergency response vith abnormal breathing and agonal gasps in a series of updated diagnostic presentations and details for the accreditation and emergency response vith abnormal breathing and agonal gasps in a series of updated diagnostic presentations and details for the accreditation and emergency response vith abnormal breathing and agonal gasps in a series of updated diagnostic presentations and details for the emergency dispatcher that includes the updated updated includes the updated approach to such a series of updated approach to such as a series of updated appro system (Class 1 C-LD, LOE. For 20152015 Early updates for the 20152015 Trained Take Rescuers should at least provide chest compression to victims of cardiac arrest (Class 1, LOE C-LD). Also, if the trained lay rescuer is able to breathe the rescue should add the rescue provider take over victim care (Class 1, LOE C-LD). Also, if the trained lay rescuer is able to breathe the rescue provider to provide and the rescue provider to provide chest compression and ventilation for all adult patients in the heart. The rescue provider to provider to provider to provide chest compression and ventilation for all adult patients in the heart. on catalact arises (class IIa, LOE C-LD). Also, if in the failted and yestuder for solid solid interest continuous control and an adult plate for 10152015 related to 10152015 plated to an advanced airway. Updated for 20152015 Update for 20152015 Update for 20152015 Updated for 20152015 Updated for 20152015 Update for 20152015 Updated for 20152015 Update for 20152015 Updated for 20152015 Updated for 20152015 Updated for 20152015 Update for 20152015 Update for 20152015 Updated for 20152015 Update for 20152015 Updated for 20152015 Updated for 20152015 Updated for 20152015 Update for 20152015 Updated for 201520 rescuers for victims with suspected spinal cord injury, rescuers should initially use manual spinal motion restrictions (e.g., keep 1 hand on either side of the patient sources, because the use of stabilization devices, and the use of stabilization devices are used to stabilize the use of stabilization devices, and the use of stabilization devices are used to stabilize the use of stabilization devices, and the use of stabilization devices are used to stabilize the use of stabilization devices, and the use of stabilization devices are used to stabilize the use of stabilization devices. saves each breath at approximately 1 second (Class IIa, LOE C-LD). Updated with an advanced airway for 20152015 ventilation When the victim has an advanced airway for 20152015 ventilation When the victim has an advanced airway for 20152015 do not recommend regular use of passive ventilation techniques during traditional CPL Bus designed to support the control of the cont that the definition of use das South as possible (class IIA, LOE C-LD), obtained to a possible (class IIA, LOE C-LD). Obtained to the definition of use (class IIA, LOE C-LD), obtained to the compression after should receive the straining of the SNS system for a research programs of the EMS system has already in use (class IIA, LOE C-LD). Chest compression after should receive the straining of the EMS system has already in use (class IIA, LOE C-LD). Chest compression after should receive the straining of the EMS system has already in use (class IIA, LOE C-LD). Chest compression after should receive the straining of the EMS system has already in use (class IIA, LOE C-LD). Chest compression after should receive the straining of the EMS system has already in use (class IIA, LOE C-LD). The following recommendations updated for 2015 which are provided the straining of the EMS system has already in order than 10 seconds to the compression of the EMS system has already in order than 10 seconds to the event of the EMS system has already in order than 10 seconds to the event of the
EMS system has already in order than 10 seconds to the event of the EMS system has already in order than 10 seconds to the event of the EMS system has already in order than 10 seconds to the event of the EMS system has already in order than 10 seconds to the event of the EMS system has already in order than 10 second than 10 seconds to the pull system has already in order than 10 seconds to the EMS system has already in order than 10 seconds to the event of the EMS system has already in order than 10 seconds to the event of the EMS system has already in order than 10 seconds to the EMS system has already in order than 10 seconds to the EMS system has already in order than 10 seconds to the EMS system has already in order than 10 seconds to the EMS system has already in order than 10 seconds to the EMS system has already in order than 10 seconds to the EMS system has already in order than 10 seconds to the EMS system has already in order than 1 need to pause chest compression for ventilation. Instead, the compression at a rate of at least 100 per minute without peuse for ventilation (Class IIa, LOE B) not reviewed in 20152010 Airway: Healthcare provider although head tilt-chin lift technique was developed using unconscious, paralyzed adult volunteers and cardiac arrest, Studies have not been carried out in victims with clinical and radiographic evidence and a case series has shown it effective (Class IIa, LOE B) not reviewed in 20152010 Airway: Healthcare providers suspect cervical spine injury should they open airways using jaw thrust without head extension (Class IIa, LOE C), use head tilt-chin lift technique was developed using unconscious, paralyzed adult volunteers and cardiac arrest, Studies have not been carried out in victims with clinical and radiographic evidence and a case series has shown it effective (Class IIa, LOE B) not reviewed in 20152010 Airway: Healthcare providers suspect cervical spine injury should they open airways using jaw thrust without head extension (Class IIa, LOE B) not reviewed in 20152010 Airway: Healthcare providers although head tilt-chin lift technique was developed using unconscious, paralyzed adult volunteers and cardiac arrest, Studies have not been carried out in victims with clinical and radiographic evidence and a case series has shown it effective (Class IIa, LOE B) not reviewed in 20152010 Airway: Healthcare providers although head tilt-chin lift technique was developed using unconscious, paralyzed adult volunteers and cardiac arrest, Studies have not been carried out in victims with clinical, the control of a least 100 per minute without per minute with eviewed in 20152010 20152010 Mouth-to-mouth rescue breathing 1 breath breath breath breath over 1 second, breath over 1 second, breath over 1 second, breath over 1 second breath over 1 second, breath over 1 second, breath over 1 second breath rescue over class 1, LOE c) not reviewed in 20152010, breath over 1 second breath stoma ventilation mouth-nasal ventilation mouth-nasal ventilation from the nose and mouth is recommended if ventilation through the mouth of the victim is in the water, Or it is difficult to get a mouth seal from the mouth (Class IIa, LOE C) 2010Bag - Mask not reviewed in 20152010 Mouth-to-nose and mouth seal from the mouth (class IIa, LOE C) and the water, Or it is difficult to get a mouth seal from the mouth (class IIa, LOE C) 2010Bag - Mask not reviewed in ventilation The rescuer should use an adult (1 to 2L) bag to give the amount of approximately 600 ml tide to adult victims. This amount is usually sufficient to produce visible chest growth and maintain oxygen and normocarbia in apneac patients (Class IIa, LOE C). Not reviewed in 20152010 mot re a bag through these equipment, Use of equipment, Use of equipment for airway management during cardiac arrest in hospital for seen out-of-the-heart victims or for hospitalized patients whose heart recilium pressure regular use of crickoid pressure in adult cardiac arrest in hospital for seen out-of-the-heart victims or for hospitalized patients whose heart recilium pressure regular use of crickoid pressure in adult cardiac arrest in hospital for seen out-of-the-heart victims or for hospitalized patients whose heart recilium pressure regular use of crickoid pressure in adult cardiac arrest in hospital for seen out-of-the-heart victims or for hospitalized patients whose heart recilium pressure regular use of crickoid pressure in adult cardiac arrest in hospital for seen out-of-the-heart victims or for hospitalized patients whose heart recilium pressure regular use of crickoid pressure in adult cardiac arrest in hospital for seen out-of-the-heart victims or for hospitalized patients whose heart recilium pressure in adult cardiac arrest in hospital for seen out-of-the-heart victims or for hospitalized patients whose heart recilium pressure in adult cardiac arrest in hospital for seen out-of-the-heart victims or for hospitalized patients whose heart recilium pressure regular use of crickoid pressure in adult cardiac arrest in not recommended (Class III, LOE B)) has not been reviewed in 20152010 victims or for hospital arrest in not recommended (Class III, LOE B)) has not been reviewed in 20152010 victims or for hospital arrest in not recommend or or fo syndrome is not reviewed if the patient has not treviewed if the patient has not texe administration of nitroglycerin in patients with as no history of aspirin allergies and has no evidence of recent gastrointestinal bleeding, EMS providers should give the patient nonenteric aspirin (160 to 325 mg) for chewing (Class I, LOE C). 20152010Acputer coronary syndrome was not reviewed although it is advisable to consider the early administration of nitroglycerin in patients with a suspected ACS (class IIB), LOE C). 20152010StrokePatients at high risk for stroke, Their family members, and BLS providers should be trained to suspect stroke and rapid dispatch emergency responders. EMS personnel should be trained to suspect stroke and rapid dispatch emergency responders. EMS personnel should be trained to suspect stroke and rapid dispatch emergency responders. EMS personnel should be trained to suspect stroke and rapid dispatch emergency responders. inform the receiving hospital that a patient with a potential stroke is being taken, 20152010 Cannot be reviewed in Stroke patients (Class 1, LOE C) or those with unknown oxygen saturation, In 20152010 is not reviewed strokeless patient hypotension (systolic blood pressure &lt:90 mm HG), pre-hospital intervention for blood pressure is not recommended (Class III, LOE c) has not been reviewed in 2015/2010, mouth-to-mouth ventilation; mouth-to-mouth ventilation in water may be helpful when administered by a trained rescuer (class III, No Benefit, LOE A. 2015/2015/Device's to support new circulation: Active compression-dickup CPR and barrier threshold DeviceThe existing evidence, mainly from 1 large RCT of low quality, does not support how quality, does not support the regular use of ACD-CPR + ITD as an alternative to traditional CPR. Combining available devices for manual chest compression versus chest compression in patients with cardiac arrest. Manual chest compression remains the standard of care for the treatment of cardiac arrest, but mechanical crest, but mechanical chest compression by using piston Devices can be considered in specific settings where delivery of high-quality manual compression by using piston Devices. He proparation of extracorphy suite, CPR on a moving ambulance, CPR in angiography suite, CPR on a moving ambulance, CPR on a moving ambu CPR [ECPR], provided that rescuers strictly limit the blockage in CPR during deployment and removal of the device (Class IIB, LOE C-EO). 20152015Devices to support new circulation: Load-distribution band DevicesThe proof does not display an advantage with the use of LDB-CPR can be a reasonable option for use by properly trained personnel (class AIIB, Loe B-R). 20152015Devices to support new circulation: Use of load distribution band Devices LDB-CPR can be a reasonable option for use by properly trained personnel (class AIIB, Loe B-R). 20152015Devices to support new circulation: Use of load distribution band Devices LDB-CPR can be a reasonable option for use by properly trained personnel (class IIB, Loe B-R). 20152015Devices to support new circulation: Use of load distribution band Devices LDB-CPR can be a reasonable option for use by properly trained personnel (class AIIB, Loe B-R). 20152015Devices to support new circulation: Use of load distribution band Devices LDB-CPR can be a reasonable option for use by properly trained personnel (class IIB, Loe B-R). 20152015Devices to support new circulation: Load-distribution band Devices LDB-CPR can be a reasonable option for use by properly trained personnel (class IIB, Loe B-R). 20152015Devices to support new circulation: Load-distribution band Devices LDB-CPR can be a reasonable option for use by properly trained personnel (class IIB, Loe B-R). 20152015Devices to support new circulation: Load-distribution band Devices LDB-CPR can be a reasonable option for use by properly trained personnel (class IIB, Loe B-R). 20152015Devices to support new circulation: Load-distribution band Devices LDB-CPR can be a reasonable option for use of use a reasonable option for use of regular use of ECPR for patients with cardiac arrest. This could be considered for select patients for whom suspected etiology of cardiac arrest has potentially backfired during the limited period of mechanical cardiorespiratory support (Class IIB, LoE C-LD). The new following recommendations for 2015 were not reviewed in 2015. For more information, see the 2010 AHA Guidelines for CPR and ECC, Part 7: CPR Techniques and Equipment. 2010Open-Chest CPR can be useful if cardiac arrest develops during the limited period of mechanical cardiorespiratory support (Class IIB, LoE C) in the early postoperative period
20152010Open-chest CPR and out-of-thosypital cardiac arrest of a trauma facility. From penetrating trauma with less transport time to (ClassIIb IIb, LOE C). 20152010Interpoposed abdominal compression can be considered during hospital resuscitation in CPRIAC-CPR when adequate trained personnel in its use are available (Class IIb, LOE C). B), Review in 20152010 No cough CPR can be considered in settings such as Cardiac Catherization Laboratory for coughcation CPR alert, spine and monitoring patients if the patient cannot be placed in a state of the spine, it may be advisable for rescuers to provide CPR with the patient in a prone condition, especially in hospitalized patients with an advanced airway (Class IIb, LOE C). Prerecordial jabs in 20152010, not reviewed in 20152010, not reviewed in 20152010, should not be used for cardiac arrest (Class III) out of hospital. 20152010 During prolonged reviving efforts in automatic transport ventilators, an ATV (pneumatically operated and time or time or time or Allowing the Emergency Medical Services (EMS) team to perform other tasks (Class IIB,), Can provide ventilation and oxygen-powered, flow-limited resuscitation, oxygen-powered, flow-limited resuscitation and oxygen-powered, flow-limited resuscitation and oxygen-powered, flow-limited resuscitation, oxygen-powered, flow-limited resuscitation and oxygen-powered, flow-limited resuscitation, oxygen-powered, fl Advanced Heart Life Support 2015Edcompanists for CPR When supplementary oxygen is available, it may be advisable to use maximum viable induced oxygen concentration during CPR (Class IIB, LOE C-EO). 20152015 Updated for CPRAlas for Édjuncts Álthough no clinical study has examined whether resuscitation efforts for physiological parameters (quantitative wave capanography, It may be advisable to use artery relaxation diastolic pressure), arterial pressure monitoring, and central venous oxygen is available, it may be advisable to use artery relaxation diastolic pressure), arterial pressure monitoring, and central venous oxygen saturation, when CPR improve results provided to use a capacity of cardiac artery relaxation diastolic pressure), arterial pressure whether resuscitation efforts for physiological parameters (quantitative wave capanography, It may be advisable to use artery relaxation diastolic pressure), arterial pressure monitoring, and central venous oxygen is available, it may be advisable to use attemption of cardiac artery relaxation diastolic pressure), arterial pressure monitoring oxygen is available, it may be advisable to use attemption of cardiac artery relaxation diastolic pressure), arterial pressure monitoring oxygen is available, it may be advisable to use attemption of cardiac artery relaxation diastolic pressure), arterial pressure attemption of cardiac artery relaxation diastolic pressure), arterial pressure attemption of cardiac artery relaxation diastolic pressure), arterial pressure attemption of cardiac artery relaxation of cardiac artery relaxation of cardiac artery relaxation diastolic pressure), arterial pressure attemption of cardiac artery relaxation of cardiac arterial pressure attemption of cardiac arterial patient evaluation (Class IIb, LOE C-EO). Updated for 20152015Adjunts for airway control and ventilation during CPR in both a bag-mask device or an advanced airway established out of hospital and hospital (Class IIb, LOE C-LD) Initial can be used as advanced airways. Updated for 20152015Adjunts for airway control and ventilation for trained health service providers in their use, either an SGA device or an advanced airway established out of hospital and hospital (Class IIb, LOE C-LD) Initial can be used as advanced airways. Updated for 20152015Adjunts for airway control and ventilation for trained health service providers in their use, either an SGA device or an advanced airway control and ventilation for trained health service providers in their use, either an SGA device or an advanced airway control and ventilation for trained health service providers in their use, either an SGA device or an advanced airway control and ventilation for trained health service providers in their use, either an SGA device or an advanced airway control and ventilation for trained health service providers in their use, either an SGA device or an advanced airway control and ventilation during CPR in both a bag-mask device or an advanced airway control and ventilation for trained health service providers in their use, either an SGA device or an advanced airway control and ventilation during CPR in both a bag-mask device or an advanced airway control and ventilation for trained health service providers in their use, either an SGA device or an advanced airway control and ventilation during CPR in both a bag-mask device or an advanced airway control and ventilation for trained health service providers in their use, either and service provider every 6 seconds (10 breath/minimum) while continuous chest compression is being performed (Class 1|b. LOE C-LD. Update for 20152015 based on their greater success in cardiac arrest arrhythmias (class 1), updated for LOE B-NR, 20152015 based on their greater success in cardiac arrest arrhythmia for using bifacic waveform (BTE, RLB, or using bifacic waveform (BTE or RLB), both atrial and ventricular arrhythmias (class 1|b. LOE B-R), In the absence of conclusive evidence that the step wave is better than another in the termination of VF updated for 20152015Management of Cardiac Arrest It is advisable to use the manufacturer's instructions for selecting fixed versus growing energy using a manual defibrillator, higher energy for second and subsequent shocks can be considered (Class IIb, LOE C-LD. 20152015 Management update for 20152015 Management update for 20152015 Updated for 201520 of a β inhibitor after cardiac arrest for 20152015. However, initiation or continuation of oral or intravenous β inhibitor cardiac arrest (Class IIB, LOE C-LD). 20152015 New standard for cardiac arrest (Class IIB, UPDATE FOR 20152015 Updated for Cardiac Arrest is not recommended for regular use in high dose epinephrine cardiac arrest (Class III). No Benefit, LOE B-R 20152015 New for Cardiac Arrest vasoinpress. Cardiac arrest (Class III). No Benefit of Cardiac ArrestVasoinpress in in combination with epinephrine as an alternative to enhips (Class IIb.). LOE C-LD. Updated for the 20152015 management of cardiac arrest at IHC, intra-arrest may consider the combination of vasopressin, epinephrine, and methylprednisolone after arrest; However, further studies are required before recommending regular use of this therapeutic strategy (Class IIb, LOE C-LD. 20152015 New to Cardiac Arrest For Patients With OHCA, Steroid Use During CPR Is Of Uncertain Benefits (In New Inbattued Patients for New Cardiac Arrest For Patients for New Cardiac Arrest For Patients for New Cardiac Arrest For Patients With OHCA, Steroid Use During CPR Is Of Uncertain Benefits (In New Inbattued Patients for New Cardiac Arrest For Patients With OHCA, Steroid Use During CPR Is Of Uncertain Benefits (In New Inbattued Patients for New Cardiac Arrest For Patients With OHCA, Steroid Use During CPR Is Of Uncertain Benefits (In New Inbattued Patients for New Cardiac Arrest For Patients With OHCA, Steroid Use During CPR Is Of Uncertain Benefits (In New Inbattued Patients for New Cardiac Arrest For Patients With OHCA, Steroid Use During CPR Is Of Uncertain Benefits (In New Inbattued Patients for New Cardiac Arrest For Patients With OHCA, Steroid Use During CPR Is Of Uncertain Benefits (In New Inbattued Patients For New Cardiac Arrest For Patients With OHCA, Steroid Use During CPR Is Of Uncertain Benefits (In New Inbattued Patients For New Cardiac Arrest For New Cardiac Arrest For Patients For New Cardiac Arrest For Patients For New Cardiac Arrest For New Card over 10 mm by wave capography after 20 minutes of CPR can be considered as a component of a multimodal approach to decide whether to end revived efforts but should not be used at any time during CPR as a sign of ending resuscitation (Class I Contribution of cardiac arrest in new non-languid patients for LOE C-LD. 20152015, a specific ETCO2 cutoff value should not be used at any time during CPR as a sign of ending resuscitation efforts but should not be used at any time during CPR as a sign of ending resuscitation efforts but should not be used at any time during CPR as a sign of ending resuscitation efforts but should not be used in isolation (Class III contribution of cardiac arrest time during CPR as a sign of ending resuscitation efforts but should not be used in isolation (Class III contribution of cardiac arrest in new non-languid patients for LOE C-LD. 20152015, a specific ETCO2 cutoff value is not a contribution of cardiac arrest in new non-languid patients. settings where it can be applied rapidly, ECPR can be considered for selective cardiac arrest patients for whom suspected etiology of cardiac arrest patients for whom suspected etiology of cardiac arrest is potentially paradoxical during a limited period of mechanical cardioversion and pacing. Regular use of crickoid pressure in cardiac arrest is not recommended in 2010 Crecide pressure cardiac arrest (Class III, LOE C). 20152010Nasopharyngeal Airways can be used in unconscious (unresponsive) patients with no cough or lie reflex and should only be inserted by persons trained in their use (class IIIa, LOE C). 20152010Postintubation an endotracial tube not reviewed in Airway Management should be tapped or securing endocrecial tubes, and other strategies provide equivalent ways to prevent inadvertent tube displacement compared to traditional ways of securing tubes (tapes). These devices can be considered during patient transport (class Ilb, LOE C) 20152010 Automatic transport ventilator ransport ventilator not reviewed in both hospital and hospital and hospital and hospital and hospital settings, automatic transport ventilator
not reviewed in 20152010 Automatic transport ventilator not reviewed in 20152010 The use of ATV (pneumatically operated and time-or pressure-cycle) during prolonged revived efforts in automatic transport ventilator not reviewed in 20152010 Automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatically operated and time-or pressure-cycle) during prolonged revived efforts in automatical during prolonged revived efforts in automatical during prolonged revived efforts in automatical during prolonged revived efforts in vs. manual mode for current evidence indicates that the advantage of using multimodal defibrillator is prepared for use is strongly recommended for all patients in cardiac arrest (Class II), LOE B) 20152010CPR has not reviewed in 20152010Coronary Perfusion is not reviewed in pressure and arrest (Class IIb, LOE B). No review of during the reviewed in pressure and arrest (Class IIb, LOE B) 20152010Coronary Perfusion is not reviewed in pressure and arrest (Class IIb, LOE C). Defibrillation is not reviewed in pressure and arrest (Class IIb, LOE B) 20152010Coronary Perfusion is not reviewed in pressure and arrest (Class IIb, LOE C). Defibrillator is prepared for use is strongly recommended for all patients in cardiac arrest (Class IIb, LOE B). No reviewed in pressure are defibrillator is prepared for use is strongly recommended for all patients in cardiac arrest (Class IIb, LOE B). No reviewed in pressure are defibrillator is prepared for use is strongly recommended for all patients in cardiac arrest (Class IIb, LOE B). No reviewed in cardiac arrest (Class IIb, LOE B) 20152010Coronary Perfusion is not reviewed in pressure and arrest (Class IIb, LOE B) 20152010Coronary Perfusion is not reviewed in pressure and arrest (Class IIb, LOE B). No review of during the reviewed in pressure are defibrillator in pressure and arrest (Class IIb, LOE B) 20152010Coronary Perfusion is not reviewed in pressure and arrest (Class IIb, LOE B) 20152010Coronary Perfusion is not reviewed in pressure and arrest (Class IIb, LOE B) 20152010Coronary Perfusion is not reviewed in pressure are the pressure are the reviewed in pressure are the revie pressure and arterial relaxation pressure art pressure art pressure monitoring can also be used to detect ROSC during chest compression or when a rhythm (class) Ilb, LOE c) solution to reviewed in place before cardiac arrest, when in place before cardiac arrest, is advisable to monitor the quality of CPR, optimize chest compression, optimize chest compression or when a rhythm (class) Ilb, LOE c) solution or cardiac arrest, when in place before cardiac central line (internal jugular or subclavin) during cardiac arrest., unless the differences (Class IIb, LOE B). 20152010endcheal drug Deliverylf IV or IO access have not been reviewed in 20152010 for both access have not been reviewed in 20152010 for both access have not been reviewed in 20152010 for not failure, hypotension, or other signs of shock that persist despite adequate airways and breathing), the initial treatment is atropine (Class IIA, LEOB) while the patient is prepared for accidental transvecus temporary pacing if necessary. In 20152010 the symptomatic bradycardia and Tachycardia and Tachycardia for symptomatic bradycardia protection (the symptomatic bradycardia and tachycardia and tachycardia and tachycardia and tachycardia bradycardia and tachycardia protection (the symptomatic bradycardia and tachycardia related to a suspected arrhythmia (egeg, acute altered mental condition, ischemic chest discomfort, acute heart failure, hypotension, or other symptoms of symptomatic bradycardia and Tachycardia regularly with at-lastly unstable signs or symptoms of symptoms has not been reviewed in 20152010 acin be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed for healthcare providers who are advisable to introduce TCP in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with pathogenic patients with pathogenic patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with un reviewed in 20152010 can be considered in unstable patients with patients with patients with patients with patients with patients with patie relatively safe for both treatment and diagnosis (Class III, LOE B), and QRS is monomorphic. Regularly reviewed in 20152010 therapy for comprehensive campus TachycardiasVermilapa unless supraventricular origin (Class III), LOE B), is known about. Reviews for regular wide-complex Tachycardiasif IV antirrahthmix are not carried out in 20152010. (Class IIa, LOE B), amiodarone (Class IIb, LOE B), car ontibe reviewed in 20152010 therapy for TachycardiaiasProcainamide and sotalol should not be given without specialist consultation should not be avoided in patients with long-lasting QT. If one of these antiarrythic agents is given, a second agent should not be given without specialist consultation should not be given without specialist consultation should not be avoided in patients with long-lasting QT. If one of these antiarrythic agents is given, a second agent should not be given without specialist consultation should not be given by the special should not be given by the special should not b be considered (Class IIa, LOE C)) 20152010Rate controllable β-blockers and nondidropodidine calcium charnel blockers and nondidropodidine (Class IIb, Doe C). 20152010Rate controllable β-blockers and nondidropodidine (Class IIb, Doe C). 20152010Pomorphic VT in patients with a normal QT interval, the most common cause of polymorphic VT in potential polymorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, Doe C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval, the most common cause of polymorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval (Class IIb, LOE C). 20152010Pomorphic VT in not reviewed in the absence of a prolonged QT interval
(Class IIb, LOE C). 20152010Pomorphic V unless the patient responds to initial CPR and defibrillation efforts Does not fail to deliver or refers to THE ROCC (Class AllB, LOE B) 20152010VF to predict be patient responds to initial CPR and defibrillation in to reconsider in wave analysis success in the value of VF wave analysis is uncertain to guide the management of defibrillation in adults with cardiac arrest outside the hospital and hospital (class Ilb, LOE C) 20152010Fibrinolysis Should not be reviewed in Fibrinolytic should not be reviewed in Fibrinolytic should not be reviewed in infusion for patients with a regular narrow complex SVT (likely due to suspected reentry, likely, Supertranticular tachycardia, as described below) can be treated with adenosine as a fast IV push through a large (e.g., ectutobital) viein, followed by 20 ml saline flush (Class AIIB, LOE C). 20152010 aden Therapylf has not been reviewed, PSVT does not respond to wagal maneuvers fail to replace PSVT, PSVT is recurrent after such treatment, or these treatment, or these treatments reveal a different form of SVT (such as atrial fibrillation or pulsing), it is advisable to use long-acting AV nodal blocking agents, such as nondidropyrie food calcium channel blockers (verapamil and diltiazem) (Class III, LOE C). 20152010TherapyTherefore not reviewed in 2015Part 8: Post-Cardiac Arrest Care2015Cardiovascular Carcoronary Angiography should be performed accidentally (later hospital stay or not at all) for suspected arrest for OHCA patients for cardiac etiology and ST height on ECG (Class 1, LOE B-NR. 20152015Cardiovascular CareCoronary is justified in the wake of updates for angiography (e.g. electrically or hemdynamically unstable) adult patients who are in a coma after OHCA of suspected heart origin but without ST height on ECG (Class 1IA, LEOE B-NR). 20152015Cardiovascular CareCoronary is justified in the wake of updates for angiography (e.g. electrically or hemdynamically unstable) adult patients who are in a coma after OHCA of suspected heart origin but without ST height on ECG (Class 1IA, LOE C-LD) 20152015 (Class 1IA, LEOE B-NR). 20152015 (Class 1IA, LOE C-LD) 20152015 (Class 1IA, LOE C-LD) 20152015 (Class 1IA, LEOE B-NR). 20152015 (Class 1IA, LOE C-LD) 20152015 (Cla TTM (Class 1, During the course of 32°C and 36°C recommend the selection and maintenance of a constant temperature management the selection and maintenance of a constant temperature management to 20152015 Updated for graded temperature management to 20152015 Updated for graded temperature management to 20152015 Updated for 20152015 Updated for graded temperature management to 20152015 Updated for 20152015 Updated for graded temperature management to 20152015 Updated for graded temperature management to 20152015 Updated for 20152015 Updated for graded temperature management to 20152015 Updated for 20152015 Updated for graded temperature management to 20152015 Updated for 20 updated for Paco2 within a normal physical range, Considering any temperature correction, may be reasonable (Class IIb, LOE B-NR). 20152015Respiratory is new to When resources are available for Fio2 titrate and oxyzoglobin to monitor saturation or partial pressure of arterial oxygen (Class IIb, LOE B-NR). 20152015Respiratory is new to When resources are available for Fio2 titrate and oxyzoglobin to monitor saturation or partial pressure of arterial oxygen (Class IIb, LOE B-NR). oxyhamoglobin saturation is 100%, provided oxyhamoglobin saturation is 100%, provided oxyhamoglobin saturation can be maintained at 94% or more (Class IA, LOE C-LD). The benefit of any specific target range of glucose management updated for 20152015 And Critical Care Intervention is uncertain in adults with TTM, Where sedation or paralysis can be a confounder. Can be 72 hours after Normthermia (Class IIb) LOE B-R) 20152015 And Critical Care Intervention is uncertain in adults with TTM, Where sedation or paralysis can be a confounder. Can be 72 hours after Normthermia (Class IIb) LOE B-R) 20152015 And Critical Care Intervention is uncertain in adults with TTM, Where sedation or paralysis can be a confounder. Can be 72 hours after Normthermia (Class IIb) LOE B-R) 20152015 And Critical Care Intervention is uncertain in adults with TTM, Where sedation or paralysis can be a confounder. Can be 72 hours after Normthermia (Class IIb) LOE B-R) 20152015 And Critical Care Intervention is uncertain in adults with TTM, Where sedation or paralysis can be a confounder. Can be 72 hours after Normthermia (Class IIb) LOE B-R) 20152015 And Critical Care Intervention is uncertain in adults with TTM, Where sedation or paralysis can be a confounder. Can be 72 hours after Normthermia (Class IIb) LOE B-R) 20152015 And Critical Care Intervention is uncertain in adults with TTM, Where sedation or paralysis can be a confounder. LOE C-EO). 20152015Other updates for critical care intervention We recommend the earliest time to prognosticate a poor neurologic result using clinical examination in patients not treated with TTM is 72 hours after prognosticate a poor neurologic result using clinical examination in patients not treated with TTM is 72 hours after prognostication until time if residual of sedation or paralysis Impact Clinical examination in patients not treated with TTM is 72 hours after prognostication until time if residual of sedation or paralysis Impact Clinical examination (Class 1, LOE B-NR. is new to 20152015 Ekther Critical examination in patients in coma, Those who are not treated with TTM is 72 hours after prognostication until time if residual of sedation or paralysis Impact Clinical examination in patients in coma, Those who are not treated with TTM is 72 hours after prognostication until time if residual of sedation or paralysis Impact Clinical examination in patients in coma, Those who are not treated with TTM is 72 hours after prognostication until time if residual of sedation or paralysis Impact Clinical examination in patients in coma, Those who are not treated with TTM is 72 hours after prognostication until time if residual of sedation or paralysis Impact Clinical examination in patients in coma, Those who are not paralysis Impact Clinical examination in patients in coma, Those who are not paralysis Impact Clinical examination in patients in comparable in the paralysis Impact Clinical examination in patients in the paralysis Impact Clinical examination in the paralysis Impact Clinical examination in the paralysis Impact Clinical examination in the paralysis Impact Clinical e with TTM, the absence of pupil reflex in light in 72 hours or more after cardiac arrest is a proper examination finding with poor neurologic results (FPR, 0%; 95% CI, 0%-3%); Class I, LOE B-NR. 20152015Other New to Critical Care Intervention We recommend that, given their unacceptable FPR, we recommend that, given their unacceptable FPR, we recommend that the second of pupil reflex in light in 72 hours or more after cardiac arrest is useful for predicting poor neurologic results (FPR, 1%; 95% CI, 0%-3%); Class II, LOE B-NR. 20152015Other New to Critical Care Intervention We recommend that, given their unacceptable FPR, we recommend that the second of pupil reflex in light in 72 hours or more after cardiac arrest is useful for predicting poor neurologic results. that, given their unacceptable FPR., either The findings of motor movements or extenses should not A poor neurologic result (FPR, 10%; 95% CI, FPR to 7%-15%, 156; 95% CI, 5%-31%; Class III. Disadvantages, LOE B-NR. 20152015Other new motor examination for critical care intervention may be a reasonable means to identify the prediction of poor results (Class IIb, LOE B-NR. 20152015 (The results), LOE B-NR. 2015201 4% Class IIa B-NR, LOE. Another critical care interventionin care interventionin new for 20152015 after coma - heart arrest patients who are treated with TTM, It may be advisable to consider the persistent (over 72 hours) external condition epilepsy Poor results in absence of EEG reactivity for external stimuli in 72 hours after cardiac arrest, and a poor result (FPR, 0%; 95% CI, 0%-3%; Class IIb, LOE B-NR. 201520150ther updated for Critical Care interventionIn Post-cardiac arrest patients who are not treated with TTM, it may be advisable to consider the presence of burst suppression on EEG at 72 hours or more after cardiac arrest patients who are in a coma after resuscitation from cardiac arrest or factors of poor results (FPR, 1%; 95% CI, 0%-3%; Class IIa, LOE B-NR. 20152015Other critical care intervention of GWR on the brain CT to achieve within 2 hours after cardiac arrest and do not treat with TTM, it may be advisable to use the presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after resuscitation from cardiac arrest to predict a poor neurologic arrest to predict a poor neurologic arrest to predict apoor neurologic arrest and do not treat with TTM, it may be advisable to use the presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after cardiac arrest and do not treat with TTM, it may be advisable to use the presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after cardiac arrest and do not treat with TTM, it may be advisable to use the presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after cardiac arrest and do not treat with TTM, it may be advisable to use the presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after cardiac arrest and do not treat with TTM, it may be advisable to use the presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after cardiac arrest and do not treat with TTM, it may be advisable to use the presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after a presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after a presence of a notable
reduction of GWR on the brain CT to achieve within 2 hours after a presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after a presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after a presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after a presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after a presence of a notable reduction of GWR on the brain CT to achieve within 2 hours after a presence of a notable red outcome after cardiac arrest in combination with other established predictors (Class IIIb, LOE All other critical care interventions for 20152015 Use of blood levels of NSE and S-100B alone poorly neurologic results (Class IIIb, LOE C-LD. 20152015 Another critical care intervention with other prognostications in 72 hours after cardiac arrest in view of the possibility of high FPR in them., it may be advisable to consider the high serum values of NSE and S-100B alone poorly neurologic outcome.

(class) prognosis. III), LOE B-NR), especially if the repeated sample consistently shows high varieus (class III), LOE G-NR. 20152015 Update for Critical Care Intervention whe result on the programs exist (the following recommendations for Class III), LOE B-NR. 20152015 Updated for Critical Care Intervention where programs (in the following recommendations for Class III), LOE B-NR. 20152010 For Improvements in 2015201

