

## 6 Literatur

ACC/AHA Task Force Report: Guidelines for the early management of patients with acute myocardial infarction.

JACC 1990; 16: 249-292

Adams JA, Maisch S, Standl T: Notfallmedizin heute. Anaesthesiol Intensivmed Notfallmed Schmerzther 2003; 38: 282-295

Adler-Michaelson P: BLS/ACLS – geschichtliche Entwicklung.

Therapeutische Umschau 1996; 53: 609-610

Ahnefeld FW: Notfallmedizin gestern.

Anaesthesiol Intensivmed Notfallmed Schmerzther 2003; 38: 277-281

Alem van AP, Chapman FW, Hart AA, Koster RW: A prospective, randomised and blinded comparison of first shock success of monophasic and biphasic waveforms in out-of-hospital cardiac arrest.

Resuscitation 2003a; 58: 17-24

Alem van AP, Sanou BT, Koster RW: Interruption of cardiopulmonary resuscitation with the use of automated external defibrillator in out-of-hospital cardiac arrest.

Ann Emerg Med 2003b; 42: 449-457

American Heart Association: Improving survival from sudden cardiac arrest: The „chain of survival“ concept.

Circulation 1991a; 83: 1832-1847

American Heart Association: Recommended guidelines for uniform reporting of data from out-of-hospital cardiac arrest: The Utstein style.

Circulation 1991b; 84: 960-975

American Heart Association, Emergency Cardiac Care Committee and Subcommittees: Guidelines for cardiopulmonary resuscitation and emergency cardiac care.

JAMA 1992; 268: 2171-2183

American Heart Association, European Resuscitation Council, Heart and Stroke Foundation of Canada, Australian Resuscitation Council, Resuscitation Councils of Southern Africa: Recommended guidelines for reviewing, reporting, and conducting research on in-hospital resuscitation: the in-hospital „Utstein style“.  
Resuscitation 1997; 34: 151-183

American Heart Association in collaboration with the International Liaison Committee on Resuscitation: Guidelines 2000 for cardiopulmonary resuscitation and emergency cardiovascular care.  
Circulation 2000; 102 Supplement

Anderson GJ, Suelzer J: The efficacy of trapezoidal wave forms for ventricular defibrillation.  
Chest 1976; 70: 298-300

Angelos MG, Behnke De DJ: Epinephrine-mediated changes in carbon dioxide tension during reperfusion of ventricular fibrillation in a canine model.  
Crit Care Med 1995; 23: 925-930

Anthi A, Tzelepis GE, Alivizatos P, Michalis A, Palatianos GM, Geroulanos S: Unexpected cardiac arrest after cardiac surgery: incidence, predisposing causes, and outcome of open chest cardiopulmonary resuscitation.  
Chest 1998; 113: 15-19

Appleton GO, Cummins RO, Larson MP, Graves JR: CPR and the single rescuer: At what age should you „call first“ rather than „call fast?“  
Ann Emerg Med 1995; 25: 492-494

Araujo R, Gomes E, Lopes M, Araujo MS: Outcome of cardiopulmonary resuscitation in a Portuguese university hospital.  
Eur J Emerg Med 1997; 4: 81-86

Arntz H-R: Voraussetzungen für ein erfolgreiches Reanimationsprogramm.  
Dt Aertzebl 1996; 93: 813-814

- Arntz H-R: Empfehlungen für die Sekundärprävention nach Myokardinfarkt.  
Z Kardiol 2004; 93: I23-I25
- Arntz H-R, Oeff M: Elektrische Defibrillation.  
Internist 1992; 33: 299-305
- Arntz H-R, Oeff M, Willich SN, Storch WH, Schroeder R: Establishment and results of an EMT-D program in a two-tiered physician-escorted rescue system. The experience in Berlin, Germany.  
Resuscitation 1993a; 26: 39-46
- Arntz H-R, Dick W, Diehl P, Gutsch W, Kanz H-G, Mauer D, Schneider T:  
Empfehlungen zur Einführung eines Frühdefibrillationsprogrammes für qualifiziertes nichtärztliches Personal.  
Notfallmed 1993b; 19: 229-231
- Arntz H-R, Willich SN, Stern R, Linderer T, Brüggemann T, Kelinski K, Schröder R: Circadian variation of cardiopulmonary disease onset in the general population: an emergency care system perspective from Berlin.  
Ann Emerg Med 1994a; 23: 281-28
- Arntz H-R, Dick W, Diehl P, Döriges V, Gutsch W, Mauer D, Kanz KG, Schneider T, Schröder R: Empfehlung zur kardiopulmonalen Reanimation unter Einsatz halbautomatischer Defibrillatoren durch qualifiziertes nicht-ärztliches Personal.  
Notfallmed 1994b; 20: 372-379
- Arntz H-R, Klatt S, Stern R: Die Rolle des Rettungssanitäters im Noteinsatz: Qualität der Entscheidungen der Einsatzleitstelle und der Notfallbeurteilung vor Eintreffen des Notarztes.  
Notarzt 1995; 11: 212-218
- Arntz H-R, Klatt S, Stern R, Willich SN, Beneker J: Sind Notarzt Diagnosen zuverlässig?  
Anaesthesist 1996; 45: 163-170

- Arntz H-R, Baubin M, Böttiger BW, Dörge V, Eich C, Fischer M, Gervais HW, Russo S, Schwab S, Voelckel WG, Wenzel V, Winkler H, Wolcke B: Neue europäische Leitlinie zur kardiopulmonalen Reanimation. *Intensivmedizin up2date* 2006; 2: 97-118
- Atwood C, Eisenberg MS, Herlitz J, Rea TD: Incidence of EMS-treated out-of-hospital cardiac arrest in Europe. *Resuscitation* 2005; 67: 75-80
- Awaida JP, Dupuis J, Theroux P, Pelletier G, Joyal M, De Guise P, Doucet S, Bilodeau L, Thibault B, Tanguay JF, Gallo R, Gregoire J, L'Allier PL, Macle L, Nigam A: Demographics, treatment and outcome of acute coronary syndromes: 17 years of experience in a specialized cardiac centre. *Can J Cardiol* 2006; 22: 121-124
- Azar G, Love R, Choe E, Flint L, Steinberg S: Neither dopamine nor dobutamine reverses the depression in mesenteric blood flow caused by positive end-expiratory pressure. *Trauma* 1996; 40: 679-685
- Babbs CF: Circulatory adjuncts. Newer methods of cardiopulmonary resuscitation. *Cardiol Clin* 2002; 20: 37-59
- Babbs CF, Sack JB, Kern KB: Interposed abdominal compression as an adjunct to cardiopulmonary resuscitation. *Am Heart J* 1994; 127: 412-421
- Bang A, Herlitz J, Martinell S: Interaction between emergency medical dispatcher and caller in suspected out-of-hospital cardiac arrest calls with focus on agonal breathing. A review of 100 tape recordings of true cardiac arrest cases. *Resuscitation* 2003; 56: 25-34
- Barber RF, Madden JL: Historical aspects of cardiac resuscitation. *Am J Surg* 1945; 70: 135-136

- Bar-Joseph G, Weinberger T, Ben Haim S: Response to repeated equal doses of epinephrine during cardiopulmonary resuscitation in dogs.  
Ann Emerg Med 2000; 35: 3-10
- Bar-Joseph G, Abrahamson NS, Jansen-McWilliams L, Kelsey SF, Mashiach T, Craig MT, Safar P: Clinical use of sodium bicarbonate during cardiopulmonary resuscitation – is it used sensibly?  
Resuscitation 2002; 54: 47-55
- Barton CW, Manning JE: Cardiopulmonary resuscitation.  
Emerg Med Clin North Am 1995; 13: 811-829
- Baskett PJF: The Resuscitation Greats – Peter J Safar, the early years 1924-1961, the birth of cardiopulmonary resuscitation.  
Resuscitation 2001; 50: 17-22
- Baubin MA, Gilly H, Posch A, Schinnerl A, Kroesen GA: Compression characteristics of CPR manikins.  
Resuscitation 1995; 30: 117-126
- Beck CS, Pritchard WH, Fell HS: Ventricular fibrillation of long duration abolished by electric shock.  
JAMA 1947; 135: 985-986
- Becker LB, Pepe PE: Ensuring the effectiveness of community-wide emergency cardiac care.  
Ann Emerg Med 1993; 22: 354-365
- Becker L, Eisenberg M, Fahrenbruch C, Cobb L: Cardiac arrest in medical and dental practices: implications for automated external defibrillators.  
Arch Intern Med 2001; 161: 1509-1512
- Behnke De DJ, Swart GL, Spreng D, Aufderheide TP: Standard and higher doses of atropine in a canine model of pulseless electrical activity.  
Acad Emerg Med 1995; 2: 1034-1041

Behringer W, Kittler H, Sterz F, Domanovits H, Schoerhuber W, Holzer M, Mullner M, Laggner AN: Cumulative epinephrine dose during cardiopulmonary resuscitation and neurologic outcome.

Ann Intern Med 1998; 129: 450-456

Bender R; Ziegler A; Lange S: Logistische Regression.

Dtsch Med Wochenschr 2002; 127: T11-T13

Berek K, Lechleitner P, Luef G, Felber S, Saltuari L, Schinnerl A, Traweger C, Dienstl F, Aichner F: Early determination of neurological outcome after prehospital cardiopulmonary resuscitation.

Stroke 1995; 26: 543-549

Berg RA, Kern KB, Sanders AB, Otto CW, Hilwig RW, Ewy GA: Bystander cardiopulmonary resuscitation – is ventilation necessary?

Circulation 1993; 88: 1907-1915

Berg RA, Wilcoxson D, Hilwig RW, Kern KB, Sanders AB, Otto CW, Eklund DK, Ewy GA: The need for ventilatory support during bystander CPR.

Ann Emerg Med 1995; 26: 342-350

Berg RA, Otto CW, Kern KB, Hilwig RW, Sanders AB, Henry CB, Ewy GA: A randomized, blinded trial of high-dose epinephrine versus standard-dose epinephrine in a swine model of pediatric asphyxial cardiac arrest.

Crit Care Med 1996; 24: 1695-1700

Bergmann H: Die wissenschaftliche Basis der kardiopulmonalen und zerebralen Reanimation.

Anaesthesiol Intensivmed Notfallmed Schmerzther 1992; 27: 196-204

Bertini G, Giglioli C, Rostagno C, Conti A, Russo L, Taddei T, Paladini B: Early out-of-hospital lidocaine administration decreases the incidence of primary ventricular fibrillation in acute myocardial infarction.

J Emerg Med 1993; 11: 667-672

- Biondi-Zoccai GG, Abbate A, Parisi Q, Agostoni P, Burzotta F, Sandroni C, Zardini P, Biasucci LM: Is vasopressin superior to adrenaline or placebo in the management of cardiac arrest? A meta-analysis. *Resuscitation* 2003; 59: 221-224
- Bleske BE, Warren EW, Rice TL, Gilligan LJ, Tait AR: Effect of high-dose sodium bicarbonate on the vasopressor effects of epinephrine during cardiopulmonary resuscitation. *Pharmacotherapy* 1995; 15: 660-664
- Boehm R: Ueber Wiederbelebung nach Vergiftung und Asphyxie. *Archiv für experimentelle Pathologie und Pharmakologie* 1878; 8: 68-101
- Bonnin MJ, Pepe PE, Clark PS: Survival in the elderly after out-of-hospital cardiac arrest. *Crit Care Med* 1993; 21: 1645-1651
- Brandt L: Wiederbelebung im Altertum und im Mittelalter. *Notfallmedizin* 1989; 15: 290-295
- Brandt L, Duda D: Wiederbelebungsmaßnahmen im 17. und 18. Jahrhundert – Teil III. *Notfallmedizin* 1990; 16: 61-66
- Brembilla-Perrot B, Miljoen H, Houriez P, Beurrier D, Nippert M, Vancon AC, de la Chaise AT, Louis P, Mock L, Sadoul N, Andronache M: Causes and prognosis of cardiac arrest in a population admitted to a general hospital; a diagnostic and therapeutic problem. *Resuscitation* 2003; 58: 319-327
- Brindley PG, Markland DM, Mayers I, Kutsogiannis DJ: Predictors of survival following in-hospital adult cardiopulmonary resuscitation. *CMAJ* 2002; 167: 343-348

Brown CG, Martin DR, Pepe PE, Stueven H, Cummins RO, Gonzalez E, Jastremski M and the Multicenter High-dose Epinephrine Study Group: A comparison of standard-dose and high-dose epinephrine in cardiac arrest outside the hospital.

N Engl J Med 1992; 327: 1051-1055

Brown R, Jones E, Glucksman E: Decision making in resuscitation from out of hospital cardiac arrest.

J Accid Emerg Med 1996; 13: 98-100

Brymer C, Gangbar E, O'Rourke K, Naglie G: Age as a determinant of cardiopulmonary resuscitation outcome in the coronary care unit.

J Am Geriatr Soc 1995; 43: 634-637

Bunch TJ, White RD: Trends in treated ventricular fibrillation in out-of-hospital cardiac arrest: ischemic compared to non-ischemic heart disease.

Resuscitation 2005; 67: 51-54

Bundesärztekammer (Hrsg.): Reanimation – Empfehlungen für die Wiederbelebung.

Deutscher Ärzteverlag, Köln, 3. Aufl., 2004

Bundesärztekammer: Eckpunkte der Bundesärztekammer für die Reanimation 2006 basierend auf den ERC-Leitlinien für die Wiederbelebung 2005 [PDF] [<http://www.bundesaeztekammer.de/30/Richtlinien/Empfidx/NotfallRean>] 2006

Callaham M, Barton CW: Prediction of outcome of cardiopulmonary resuscitation from end-tidal carbon dioxide concentration.

Crit Care Med 1990; 18: 358-362

Callaham M, Barton CW, Kayser S: Potential complications of high-dose epinephrine therapy in patients resuscitated from cardiac arrest.

JAMA 1991; 265: 1117-1122



Cantineau JP, Lambert Y, Merckx P, Reynaud P, Porte F, Bertrand C, Duvaldestin P: End-tidal carbon dioxide during cardiopulmonary resuscitation in humans presenting mostly with asystole: a predictor of outcome.  
Crit Care Med 1996; 24: 791-796

Casalaz DM, Marlow N, Speidel BD: Outcome of resuscitation following unexpected apparant stillbirth.  
Arch Dis Child Fetal Neonatal Ed 1998; 78: F112-F115

Casper K, Murphy G, Weinstein C, Brinsfield K: A comparison of cardiopulmonary resuscitation rates of strangers versus known bystanders.  
Prehosp Emerg Care 2003; 7: 299-302

Caterine MR, Spencer KT, Pagan-Carlo LA, Smith RS, Buettner GR, Kerber RE: Direct current shocks to the heart generate free radicals: an electron paramagnetic resonance study.  
J Am Coll Cardiol 1996; 28: 1598-1609

Cecchin F, Jorgenson BD, Berul CI: Is arrhythmia detection by automatic external defibrillator accurate for children?  
Circulation 2001; 103: 2483-2488

Cerchiari EL, Safar P, Klein E, Diven W: Visceral, hematologic and bacteriologic changes and neurologic outcome after cardiac arrest in dogs. The visceral post-resuscitation syndrome.  
Resuscitation 1993; 25: 119-136

Cesario DA, Dec GW: Implantable cardioverter-defibrillator therapy in clinical practice.  
J Am Coll Cardiol 2006; 47: 1507-1517

Chamberlain DA, Cummins RO: Advisory statements of the International Liaison Committee on Resuscitation (ILCOR).  
Resuscitation 1997; 34: 99-100

Chamberlain D, Handley AJ, Coquhoun M: Time for change?

Resuscitation 2003; 58: 237-247

Chase PB, Kern KB, Sanders AB, Otto CW, Ewy GA: Effects of graded doses of epinephrine on both noninvasive and invasive measures of myocardial perfusion and blood flow during cardiopulmonary resuscitation.

Crit Care Med 1993; 21: 413-419

Clark CB, Zhang Y, Davies LR, Karlsson G, Kerber RE: Pediatric transthoracic defibrillation: biphasic versus monophasic waveforms in an experimental model.

Resuscitation 2001; 51: 159-163

Cobb LA, Fahrenbruch CE, Walsh TR, Copass MK, Olsufka M, Breskin M, Hallstrom AP: Influence of cardiopulmonary resuscitation prior to defibrillation in patients with out-of-hospital ventricular fibrillation.

JAMA 1999; 281: 1182-1188

Cobb LA, Fahrenbruch CE, Olsufka M, Copass MK: Changing incidence of out-of-hospital ventricular fibrillation 1980-2000.

JAMA 2002; 288: 3008-3013

Crone PD: Auckland ambulance service cardiac arrest data 1991-1993.

NZ Med J 1995; 108: 297-299

Cruz B, Niemann TJ: Experimental studies on precordial compression or defibrillation as initial interventions for ventricular fibrillation.

Crit Care Med 2000; 28: 225-227

Dahl CF, Ewy GA, Warner ED, Thomas ED: Myocardial necrosis from direct current countershock: effect of paddle electrode size and time interval between discharges.

Circulation 1997; 50: 956-961

Daly CA, De Stavola B, Sendon JL, Tavazzi L, Boersma E, Clemens F, Danchin N, Delahaye F, Gitt A, Julian D, Mulcahy D, Ruzyllo W, Thygesen K, Verheugt F, Fox KM; Euro Heart Survey Investigators: Predicting prognosis in stable angina--results from the Euro heart survey of stable angina: prospective observational study.  
BMJ 2006; 332: 262-267

David A, Jakob M, Ekkernkamp A, Muhr G, Vosseberg-Beermann M: Prehospital resuscitation – outcome in an urban area.  
Eur J Emerg Med 1995; 2: 6-13

Darius H, Meyer J: Pharmaka bei der kardiopulmonalen Reanimation.  
Internist 1992; 33: 306-317

Dick WF: Effektivität präklinischer Notfallversorgung. Fiktion oder Fakt?  
Anaesthesist 1996; 45: 75-87

Diehl P, Gervais HW, Dick W: Sofortdefibrillation am Notfallort.  
Notfallmed 1989; 15: 470-478

Diehl P, Schneider T, Mauer D, Dick W: Frühdefibrillation durch Rettungsassistenten.  
Notfallmed 1994; 20: 362-371

Dowie R, Campbell H, Donohoe R, Clarke P: 'Event tree' analysis of out-of-hospital cardiac arrest data: confirming the importance of bystander CPR.  
Resuscitation 2003; 56: 173-81

Duncan BW, Ibrahim AE, Hraska V, del Nido PJ, Laussen PC, Wessel DL, Mayer JE, Bower LK, Jonas RA: Use of rapid-deployment extracorporeal membrane oxygenation for the resuscitation of pediatric patients with heart disease after cardiac arrest.  
J Thorac Cardiovasc Surg 1998; 116: 305-311

Dybvik T, Strand T, Steen PA: Buffer therapy during out-of-hospital cardiopulmonary resuscitation.

Resuscitation 1995; 29: 89-95

Ebell MH, Bergus GR, Warbasse L, Bloomer R: The inability of physicians to predict the outcome of in-hospital resuscitation.

J Gen Intern Med 1996; 11: 16-22

Ebell MH, Kruse JA, Smith M, Novak J, Drader-Wilcox J: Failure of three decision rules to predict the outcome of in-hospital cardiopulmonary resuscitation.

Med Decis Making 1997; 17: 171-177

Eberle B, Gervais HW, Dick W: Reanimationsforschung.

Internist 1992; 33: 341-348

Elam JO, Greene DG: Mission accomplished. Successful mouth-to-mouth resuscitation.

Anesth Analg Current Res 1961; 40: 440-676

Eleff SM, Schleien CL, Koehler RC, Shaffner DH, Tsitlik JE, Halperin HR, Rogers MC, Trajstman RJ: Brain bioenergetics during cardiopulmonary resuscitation in dogs.

Anesthesiology 1992; 76: 666-669

Ellinger K, Luiz T, Denz C, van Ackern K: Randomisierte Anwendung der aktiven Kompressions-Dekompressions-Technik (ACD) im Rahmen der präklinischen Reanimation.

Anaesthesiol Intensivmed Notfallmed Schmerzther 1994; 29: 492-500

Engdahl J, Bang A, Karlson BW, Lindqvist J, Herlitz J: Characteristics and outcome among patients suffering from out of hospital cardiac arrest of non-cardiac aetiology.

Resuscitation 2003a; 57: 33-41

Engdahl J, Axelsson A, Bang A, Karlson BW, Herlitz J: The epidemiology of cardiac arrest in children and young adults.

Resuscitation 2003b; 58: 131-138

Engdahl J, Bang A, Lindqvist J, Herlitz J: Time trends in long-term mortality after out-of-hospital cardiac arrest, 1980 to 1998, and predictors of death.

Am Heart J 2003c; 145: 826-833

European Resuscitation Council: Guidelines for the basic management of the airway and ventilation during resuscitation.

Resuscitation 1996; 31: 187-200

European Resuscitation Council: Guidelines for resuscitation 2005

Resuscitation 2005; 67: S1-S189

Feneley MP, Maier GW, Rankin JS: Mechanisms of blood flow during cardiopulmonary resuscitation: analysis of recent experimental observations on the importance of the chest compression technique. In: Califf RM, Mark DB, Wagner GS (Hrsg.): Acute care in the thrombolytic era. Year Book Medical Publishers, Chicago, 1988; 127-148

Field JM: Update on cardiac resuscitation for sudden death: International guidelines 2000 on resuscitation and emergency cardiac care.

Curr Opin Cardiol 2003; 18: 14-25

Finn JC; Jacobs IG, Holman CD, Oxer HF: Outcomes of out-of-hospital cardiac arrest patients in Perth, Western Australia, 1996-1999.

Resuscitation 2001; 51: 247-255

Fischer M, Fischer N, Schüttler J: Welches Dosierungskonzept für Adrenalin ist bei kardiopulmonaler Reanimation das richtige? Eine Datenanalyse präklinischer Reanimationen.

Anästhesiol Intensivmed Notfallmed Schmerzther 1995; 30: 350-356

Fischer M, Krep H, Wierich D, Heister U, Hoefft A, Edwards S: Effektivitäts- und Effizienzvergleich der Rettungsdienstsyste in Birmingham (UK) und Bonn (D).

Anaesthesiol Intensivmed Notfallmed Schmerzther 2003; 38: 630-642

Fredriksson M, Herlitz J, Nichol G: Variation in outcome in studies of out-of-hospital cardiac arrest: a review of studies conforming to the Utstein guidelines.

Am J Emerg Med 2003a; 21: 276-281

Fredriksson M, Herlitz J, Engdahl J: Nineteen years' experience of out-of-hospital cardiac arrest in Gothenburg--reported in Utstein style.

Resuscitation 2003b; 58: 37-47

Frenneaux M: Cardiopulmonary resuscitation – some physiological considerations.

Resuscitation 2003; 58: 9-16

Gabrielli A, Layon AJ, Wenzel V, Dorges V, Idris AH: Alternative ventilation strategies in cardiopulmonary resuscitation.

Curr Opin Crit Care 2002; 8: 199-211

Gaddis GM, Dolister M, Gaddis ML: Mock drug delivery to the proximal aorta during cardiopulmonary resuscitation: central vs peripheral intravenous infusion with varying flush volumes.

Acad Emerg Med 1995; 2: 1027-1033

Gage H, Kenward G, Hodgetts TJ, Castle N, Ineson N, Shaikh L: Health system costs of in-hospital cardiac arrest.

Resuscitation 2002; 54: 139-146

Geppert A, Zorn G, Delle Karth G, Koreny M, Siostrzonek P, Heinz G, Huber K: Plasma concentrations of von Willebrand factor and intracellular adhesion molecule-1 for prediction of outcome after successful cardiopulmonary resuscitation.

Crit Care Med 2003; 31: 805-811

Gerson P, Orliaguet G: Les dyspnées aiguës de l'enfant en période préhospitalaire.  
Ann Fr Anesth Reanim 2003; 22: 642-647

Gliner BE, Jorgenson DB, Poole JE: Treatment of out-of-hospital cardiac arrest with a low-energy impedance-compensating biphasic waveform automatic external defibrillator.  
Biomed Instrum Technol 1998; 32: 631-644

Goedecke von A, Wenzel V: "Oben mit bitte"! Die Beatmung während der kardiopulmonalen Reanimation.  
Anaesthesist 2004, 53: 925-926

Goncalves JA, Hydo LJ, Barie PS: Factors influencing outcome of prolonged norepinephrine therapy for shock in critical surgical illness.  
Shock 1998; 10: 231-236

Gordon AS, Frye CW, Gittelsohn L: Mouth-to-mouth versus manual artificial ventilation for children and adults.  
JAMA 1958; 167: 320-328

Granja C, Cabral G, Pinto AT, Costa Pereira A: Quality of life 6 months after cardiac arrest.  
Resuscitation 2002; 55: 37-44

Greene DG, Bauer RO, Janney CD, Elam JO: Expired air resuscitation in paralyzed human subjects.  
J Appl Physiol 1957; 11: 313-318

Grmec S, Kupnik D: Does the Mainz Emergency Evaluation Scoring (MEES) in combination with capnometry (MEESc) help in the prognosis of outcome from cardiopulmonary resuscitation in a prehospital setting?  
Resuscitation 2003; 58: 89-96

Grubb NR, Elton RA, Fox KA: In-hospital mortality after out-of-hospital cardiac arrest.  
Lancet 1995; 346: 417-421

Gurvich NL, Yuniev SG: Restoration of a regular rhythm in the mammalian fibrillating heart.

Am Rev Sov Med 1946; 3: 236

Haas T, Voelckel WG, Wenzel V, Antretter H, Dessl A, Lindner KH: Revisiting the cardiac versus thoracic pump mechanism during cardiopulmonary resuscitation.

Resuscitation 2003; 58: 113-116

Hallstrom AP, Cobb LA, Yu BH: Influence of comorbidity on the outcome of patients treated for out-of-hospital ventricular fibrillation.

Circulation 1996; 93: 2019-2022

Halperin HR, Weisfeldt ML: Movement of blood by intrathoracic pressure fluctuations during cardiopulmonary resuscitation. In: Califf RM, Mark DB, Wagner GS (Hrsg.): Acute care in the thrombolytic era. Year Book Medical Publishers, Chicago, 1988; 127-148

Harris LC, Kirişli B, Safar P: Ventilation – cardiac compression rates and ratios in cardiopulmonary resuscitation.

Anesthesiology 1967; 28: 806-813

Hausmann D, Drexler H: Das akute Koronarsyndrom.

Internist 1998; 39: 133-141

Heinrich HF, Sefrin P: Aktueller Stand der präklinischen Reanimation. Ein Überblick anhand neuerer Literaturberichte und eigener Ergebnisse.

Z gesamt inn Med 1992; 47: 92-98

Hennig B: Ergebnisse der präklinischen kardiopulmonalen Reanimation von 767 Patienten des Krankenhauses Friedrichshain im Zeitraum 1990-1994.

Dissertation, Humboldt-Universität zu Berlin, 1999

Herlitz J, Ekstrom L, Wennerblom B, Axelsson A, Bang A, Holmberg S: Predictors of early and late survival after out-of-hospital cardiac arrest in which asystole was the first recorded arrhythmia on scene.

Resuscitation 1994a; 28: 27-36



- Herlitz J, Ekstrom L, Wennerblom B, Axelsson A, Bang A, Holmberg S: Effect of bystander initiated cardiopulmonary resuscitation on ventricular fibrillation and survival after witnessed cardiac arrest outside hospital.  
Br Heart J 1994b; 72: 408-412
- Herlitz J, Ekstrom L, Wennerblom B, Axelsson A, Bang A, Holmberg S: Prognosis among survivors of prehospital cardiac arrest.  
Ann Emerg Med 1995a; 25: 58-63
- Herlitz J, Ekstrom L, Wennerblom B, Axelsson A, Bang A, Holmberg S: Survival among patients with out-of-hospital cardiac arrest found in electromechanical dissociation.  
Resuscitation 1995b; 29: 97-106
- Herlitz J, Andersson E, Bang A, Engdahl J, Holmberg M, Lindqvist J, Karlson BW, Waagstein L: Experiences from treatment of out-of-hospital cardiac arrest during 17 years in Göteborg.  
Eur Heart J 2000; 21: 1251-1258
- Herlitz J, Rundqvist S, Bang A, Aune S, Lundstrom G, Ekstrom L, Lindqvist J: Is there a difference between women and men in characteristics and outcome after in-hospital cardiac arrest?  
Resuscitation 2001; 49: 15-23
- Herlitz J, Holmberg M, Holmberg S: Diurnal, weekly and seasonal rhythm of out of hospital cardiac arrest in Sweden.  
Resuscitation 2002a; 54: 133-138
- Herlitz J, Eek M, Holmberg M, Engdahl J, Holmberg S: Characteristics and outcome among patients having out of hospital cardiac arrest at home compared with elsewhere.  
Heart 2002b; 88: 579-582
- Herlitz J, Eek M, Engdahl J, Holmberg M, Holmberg S: Factors at resuscitation and outcome among patients suffering from out of hospital cardiac arrest in relation to age.  
Resuscitation 2003a; 58: 309-317

Herlitz J, Engdahl J, Svensson L, Young M, Angquist KA, Holmberg S: A short delay from out of hospital cardiac arrest to call for ambulance increases survival.

Eur Heart J 2003b; 24: 1750-1755

Herlitz J, Engdahl J, Svensson L, Young M, Angquist KA, Holmberg S: Decrease in the occurrence of ventricular fibrillation as the initially observed arrhythmia after out-of-hospital cardiac arrest during 11 years in Sweden. Resuscitation 2004; 60: 283-290

Herlitz J, Engdahl J, Svensson L, Young M, Angquist KA, Holmberg S: Changes in demographic factors and mortality after out-of-hospital cardiac ar-rest in Sweden.

Coron Artery Dis 2005; 16: 51-57

Himmelseher S, Pfenniger E: Azidoseausgleich: Kontra.

Anaesthesiol Intensivmed Notfallmed Schmerzther 1994; 29: 506-509

Hofgartner F, Messelken M, Stebich M, Milewski P, Sigel H: Präklinische Reanimation – welche Faktoren beeinflussen den Langzeitverlauf? Eine 5-Jahres-Nachbeobachtung.

Dtsch Med Wochenschr 1995; 120: 1267-1272

Holmberg M, Holmberg S, Herlitz J, Gardelov B: Survival after cardiac arrest outside hospital in Sweden. Swedish Cardiac Arrest Registry.

Resuscitation 1998; 36: 29-36

Holmberg M, Holmberg S, Herlitz J: The problem of out-of-hospital cardiac arrest prevalence of sudden death in Europe today.

Am J Cardiol 1999; 83: 88-90

Holmberg M, Holmberg S, Herlitz J: Incidence, duration and survival of ventricular fibrillation in out-of-hospital cardiac arrest patients in Sweden.

Resuscitation 2000; 44: 7-17

Holmberg M, Holmberg S, Herlitz J: Low chance of survival among patients requiring adrenaline (epinephrine) or intubation after out-of-hospital car-

diac arrest in Sweden.

Resuscitation 2002; 54: 37-45

Hsu JWY, Madsen CD, Callahan ML: Quality-of-life and formal functional testing of survivors of out-of-hospital cardiac arrest correlates poorly with traditional neurologic outcome scales.

Ann Emerg Med 1996; 28: 597-605

Idris AH, Becker LB, Wenzel V, Fuerst RS, Gravenstein N: Lack of uniform definitions and reporting in laboratory models of cardiac arrest: a review of the literature and a proposal für guidelines.

Ann Emerg Med 1994; 23: 9-16

Idris AH, Wenzel V, Banner MJ, Melker RJ: Smaller tidal volumes minimize gastric inflation during cardiopulmonary resuscitation with an unprotected airway.

Circulation 1995; 92: 754-759

Jacobs I, Nadkarni V, Bahr J, Berg RA, Billi JE, Bossaert L, Cassan P, Coovadia A, D'Este K, Finn J, Halperin H, Handley A, Herlitz J, Hickey R, Idris A, Kloeck W, Larkin GL, Mancini ME, Mason P, Mears G, Monsieurs K, Montgomery W, Morley P, Nichol G, Nolan J, Okada K, Perlman J, Shuster M, Steen PA, Sterz F, Tibballs J, Timerman S, Truitt T, Zide-man D; International Liaison Committee on Resuscitation; American Heart Association; European Resuscitation Council; Australian Resuscitation Council; New Zealand Resuscitation Council; Heart and Stroke Foundation of Canada; InterAmerican Heart Foundation; Resuscitation Councils of Southern Africa; ILCOR Task Force on Cardiac Arrest and Cardiopulmonary Resuscitation Outcomes: Cardiac arrest and cardiopulmonary resuscitation outcome reports: update and simplification of the Utstein templates for resuscitation registries: a statement for health-care professionals from a task force of the International Liaison Committee on Resuscitation (American Heart Association, European Resuscitation Council, Australian Resuscitation Council, New Zealand Resuscitation Council, Heart and Stroke Foundation of Canada, In-

terAmerican Heart Foundation, Resuscitation Councils of Southern Africa).

Circulation. 2004; 110: 3385-3397

Jain L, Ferre C, Vidyasagar D, Nath S, Sheftel D: Cardiopulmonary resuscitation of apparently stillborn infants: survival and long-term outcome.

J Pediatr 1991; 118: 778-782

Jorgensen EO: Course of neurological recovery and cerebral prognostic signs during cardiopulmonary resuscitation.

Resuscitation 1997; 35: 9-16

Jorgensen EO, Holm S: The natural course of neurological recovery following cardiopulmonary resuscitation.

Resuscitation 1998; 36: 111-122

Jorgensen EO, Holm S: Prediction of neurological outcome after cardiopulmonary resuscitation.

Resuscitation 1999; 41: 145-152

Jude JR, Kouwenhoven WB, Knickerbocker GG: Cardiac arrest: report of application of external cardiac massage on 118 patients.

JAMA 1961; 178: 1063-1067

Jung W, Lüderitz B: Empfehlungen für die präklinische Notfallmedizin.

Internist 1998; 39:142-151

Kattwinkel J, Niermeyer S, Nadkarni V, Tibballs J, Phillips B, Zideman D, van Reempts P, Osmond M: An advisory statement from the Pediatric Working Group of the International Liaison Committee on Resuscitation.

Middle East J Anesthesiol 2001; 16: 315-351

Kerber RF, Becker LB, Bourland JD, Cummins RO, Hallstrom AP, Michos MB, Nichol G, Ornato JP, Thies WH, White RD, Zuckerman BD: Automatic external defibrillators for public access defibrillation: recommendations for specifying and reporting arrhythmia analysis algorithm performance, incorporating new waveforms, and enhancing safety.  
Circulation 1997; 95: 1677-1682

Kern KB, Figge G, Hilwig RW, Sanders AB, Berg RA, Otto CW, Ewy GA: Active compression-decompression versus standard cardiopulmonary resuscitation in a porcine model: no improvement in outcome.  
Am Heart J 1996; 132: 1156-1162

Kim C, Becker L, Eisenberg MS: Out-of-hospital cardiac arrest in octogenarians and nonagenarians.  
Arch Intern Med 2000; 160: 3439-3443

Kim C, Fahrenbruch CE, Cobb LA, Eisenberg MS: Out-of-hospital cardiac arrest in men and women.  
Circulation 2001; 104: 2699-2703

Klingenheben T: Frühdefibrillation – aktueller Stand und Perspektiven.  
MedReport 2004, 20: 12

Klöss TH, Roewer N, Wischhusen F: Prognose der präklinischen kardiopulmonalen Reanimation.  
Anästh Intensivther Notfallmed 1985; 20: 237-243

Klouche K, Weil MH, Sun S, Tang W, Zhao DH: A comparison of alpha-methylnorepinephrine, vasopressin and epinephrine for cardiac resuscitation.  
Resuscitation 2003; 57: 93-100

Kornberger E, Pregel AW, Krismer A, Schwarz B, Wenzel V, Lindner KH, Mair P: Vasopressin-mediated adrenocorticotropin release increases plasma cortisol concentrations during cardiopulmonary resuscitation.  
Crit Care Med 2000; 28: 3517-3521

- Koster RW: Automatic external defibrillator: key link in the chain of survival.  
J Cardiovasc Electrophysiol 2002; 13: 92-95
- Kouwenhoven WB, Milnor WR, Knickerbocker GG, Chesnut WR: Closed chest defibrillation of the heart.  
Surgery 1957; 42: 550-561
- Kouwenhoven WB, Jude JR, Knickerbocker GG: Closed chest cardiac massage.  
JAMA 1960; 173: 1064-1067
- Kristensen BB, Mikkelsen SS: Farmakologiske administrationsveje ved cirkulationssvigt.  
Ugeskr Laeger 1995; 157: 6864-6868
- Kucher N, Printzen G, Doernhoefer T, Windecker S, Meier B, Hess OM: Low pro-brain natriuretic peptide levels predict benign clinical outcome in acute pulmonary embolism.  
Circulation 2003; 107: 1576-1578
- Kuisma M, Suominen P, Korpela R: Paediatric out-of-hospital cardiac arrests – epidemiology and outcome.  
Resuscitation 1995; 30: 141-150
- Kuisma M, Maatta T, Repo J: Cardiac arrests witnessed by EMS personnel in a multitiered system: epidemiology and outcome.  
Am J Emerg Med 1998; 16: 12-16
- Kuisma M, Repo J, Alaspaa A: The incidence of out-of-hospital ventricular fibrillation in Helsinki, Finland, from 1994 to 1999.  
Lancet 2001; 358: 473-474
- Kuisma M, Castren M, Nurminen K: Public access defibrillation in Helsinki – costs and potential benefits from a community-based pilot study.  
Resuscitation 2003; 56: 149-152
- Lafferty C, Larsen PD, Galletly D: Resuscitation teaching in New Zealand schools.  
NZ Med J 2003; 116: 1181

Layon AJ, Gabrielli A, Goldfeder BW, Hevia A, Idris AH: Utstein style analysis of rural out-of-hospital cardiac arrest [OOHCA]: total cardiopulmonary resuscitation (CPR) time inversely correlates with hospital discharge rate.

Resuscitation 2003; 56: 59-66

Lazar F: Außerklinische Reanimation durch den Rettungsdienst in einem ländlichen Gebiet.

Rettungsdienst 1995; 18: 182-187

Lefering R: Strategien zur Auswertung nicht-randomisierter Therapievergleiche am Beispiel der präklinischen Volumentherapie nach Trauma.

Langenbecks Arch Chir Suppl Kongressbd 1998; 115: 517-521

Lindner KH, Ahnefeld FW: Aktuelle Richtlinien für die kardiopulmonale Reanimation.

Internist 1992; 33: 318-320

Lindner KH, Wenzel V: Neue mechanische Methoden der kardiopulmonalen Reanimation (CPR).

Anaesthesist 1997; 46: 220-230

Lindner KH, Dirks B, Strohmenger HU, Prengel AW, Lindner IM, Lurie KG: Randomised comparison of epinephrine and vasopressin in patients with out-of-hospital ventricular defibrillation.

Lancet 1997; 349: 535-537

Lischke V, Kessler P, Byhahn C, Westphal K, Amann A: Die transthorakale Defibrillation.

Anaesthesist 2004; 53: 125-136

Lown B: Comparison of AC and DC electroshock across the closed chest.

Am J Cardiol 1962; 10: 223-233

Lurie KG, Voeckel WG, Iskos DN, McKnite SH, Zielinski TM, Sugiyama A, Wenzel V, Benditt D, Lindner KH: Combination drug therapy with vasopressin, adrenaline (epinephrine) and nitroglycerin improves vital organ blood flow in a porcine model of ventricular fibrillation. *Resuscitation* 2002; 54: 187-194

Macdonald RD, Swanson JM, Mottley JL, Weinstein C, Performance and error analysis of automated external defibrillator use in the out-of-hospital setting. *Ann Emerg Med* 2001; 38: 262-267

Mader TJ, Smithline HA, Durkin L, Scriver G: A randomized controlled trial of intravenous aminophylline for atropine-resistant out-of-hospital asystolic cardiac arrest. *Acad Emerg Med* 2003; 10: 192-197

Maio de VJ, Stiehl IG, Wells GA, Spaite DW: Cardiac arrest witnessed by emergency services personnel: descriptive epidemiology, prodromal symptoms, and predictors of survival. OPALS study group. *Ann Emerg Med* 2000; 35: 138-146

Maio de VJ, Stiehl IG, Wells GA, Spaite DW: Optimal defibrillation response intervals for maximum out-of-hospital cardiac arrest survival rates. *Ann Emerg Med* 2003; 42: 242-250

Majde JA: Animal models for hemorrhage and resuscitation research. *J Trauma* 2003; 54: S100-105

Mancini ME, Kaye W: Resuscitation training: a time for reassessment. *J Cardiovasc Nurs* 1996; 10: 71-84

Mann K, Berg RA, Nadkarni V, Beneficial effects of vasopressin in prolonged pediatric cardiac arrest: a case series. *Resuscitation* 2002; 52: 149-156



- Manz M, Mletzko R, Jung W, Lüderitz B: Electrophysiological and haemodynamic effects of lidocaine and ajmaline in the management of sustained ventricular tachycardia.  
Eur Heart J 1992; 13: 1123-1128
- Marenco JP, Wang PJ, Link MS, Homoud MK, Estes NA, Improving survival from sudden cardiac arrest: the role of the automated external defibrillator.  
JAMA 2001; 285: 1193-1200
- Markstaller K, Eberle B, Dick WF: Kardiopulmonale Reanimation "oben ohne" – Mode oder Wissenschaft?  
Anaesthesist 2004, 53: 927-936
- Martens PR, Mullie A, Calle P, Van Hoeyweghen R: Influence on outcome after cardiac arrest of time elapsed between call for help and start of bystander basic CPR. The Belgian Cerebral Resuscitation Study Group.  
Resuscitation 1993; 25: 227-234
- Martens PR, Calle P, Hubloue I, Van den Poel B, Lewi P: Does age have an effect on the time of occurrence of cardiac arrest of presumed cardiac etiology? Belgian Cardiopulmonary-Cerebral Resuscitation Study Group.  
Cardiology 1995; 86: 197-201
- Martens PR, Russel JK, Wolcke B: Optimal response to cardiac arrest study: defibrillation waveform effects.  
Resuscitation 2001; 49: 233-243
- Mattana J, Singhal PC: Prevalence and determinants of acute renal failure following cardiopulmonary resuscitation.  
Arch Intern Med 1993; 153: 235-239
- Mauer D, Schneider T, Diehl P, Dick W, Frehmer F, Juchems R, Kettler D, Kleinzander R, Klingler H, Rossi R, Roth HJ, Schüttler J, Stratmann D, Strohmenger U, Zander J: Erstdefibrillation durch Notärzte oder durch Rettungsassistenten?  
Anaesthesist 1994; 43: 36-49

McCrirrick A, Monk CR: Comparison of i.v. and intra-tracheal administration of adrenaline.

Br J Anaesth 1994; 72: 529-532

Mielke L, Entholzner E, Hargasser S, Hipp R: Medikamentengabe über den endobronchialen Zugang. Möglichkeiten der Applikation in der Notfallmedizin.

Fortschr Med 1994; 112: 377-380

Muller JE, Tawakol A, Kathiresan S, Narula J: New opportunities for identification and reduction of coronary risk: treatment of vulnerable patients, arteries, and plaques.

J Am Coll Cardiol 2006; 47: C2-C6

Mullner M, Sterz F, Behringer W, Schorkhuber W, Holzer M, Laggner AN: The influence of chronic prearrest health conditions on mortality and functional neurological recovery in cardiac arrest survivors.

Am J Med 1998; 104: 369-373

Mijnlieff CJ: Die „Maatschappij tot Redding von Drenkelingen“ in Amsterdam und ihre historische Bedeutung für die Entwicklung des Rettungswesens.

Janus; 1909; S. 876-889

Mohr M, Kettler D: Ethik in der präklinischen Notfallmedizin – zur Frage der Aussichtslosigkeit von Wiederbelebungsmaßnahmen.

Anaesthesiol Reanim 1998a; 23: 20-26

Mohr M, Kettler D: Ethische Herausforderungen in der präklinischen Notfallmedizin.

Zentralbl. Chir 1998b; 123: 58-65

Nelson SD: Predictors of cardiopulmonary resuscitation outcome in a community hospital.

Chest 1995; 108: 892-893

- Neumann A, Waydhas C, Schneider K, Haider M, Theissen K, Schmidbauer S, Schweiberer L: Standard in der präklinischen Reanimation – Voraussetzungen für effiziente Therapie und wissenschaftliche Analyse. Prospektive Untersuchung am Beispiel des gemeinsamen Notarztdienstes des Landkreises und der Landeshauptstadt München. *Anaesthesist* 1991; 40: 191-198
- Nichol G, Detsky AS, Stiell IG, O'Rourke K, Wells G, Laupacis A: Effectiveness of emergency medical services for victims of out-of-hospital cardiac arrests: a metaanalysis. *Ann Emerg Med* 1996; 27: 700-710
- Niemann JT, Cruz B, Garner D, Lewis RJ: Immediate countershock versus cardiopulmonary resuscitation before countershock in a 5-minute swine model of ventricular fibrillation arrest. *Ann Emerg Med* 2000; 36: 543-546
- Niemann JT, Stratton SJ, Cruz B, Lewis RJ: Endotracheal drug administration during out-of-hospital resuscitation: where are the survivors? *Resuscitation* 2002; 53: 153-157
- Niermeyer S, Kattwinkel J, Van Reempts P, Nadkarni V, Phillips B, Zideman D, Azzopardi D, Berg R, Boyle D, Boyle R, Burchfield D, Carlo W, Chameides L, Denson S, Fallat M, Gerardi M, Gunn A, Hazinski M, Keenan W, Knaebel S, Milner A, Perlman J, Saugstad OD, Schleien C, Solimano A, Speer M, Toce S, Wiswell T, Zaritsky A: International guidelines for neonatal resuscitation: An excerpt from guidelines 2000 for cardiopulmonary resuscitation and emergency cardiovascular care: International consensus on science. Contributors and reviewers for the neonatal resuscitation guidelines. *Pediatrics* 2000; 106: E29
- Nyman J, Sihvonen M: Cardiopulmonary resuscitation skills in nurses and nursing students. *Resuscitation* 2000; 47: 179-184

Ocklitz A: Künstliche Beatmung mit technischen Hilfsmitteln schon vor 5000 Jahren?

Anaesthesist 1996; 45: 19-21

Ocklitz A: Kardio-pulmonale Reanimation in Ägypten schon vor 5000 Jahren?

Wien Klin Wochenschr 1997; 109: 406-412

Ottesen MM, Dixen U, Torp Petersen C, Kober L: Prehospital behaviour of patients admitted with acute coronary syndrome or witnessed cardiac arrest.

Scand Cardiovasc J 2003; 37: 141-148

Paradis NA, Martin GB, Rivers EP, Goetting MG, Appleton TJ, Feingold M, Nowak RM: Coronary perfusion pressure and the return of spontaneous circulation in human cardiopulmonary resuscitation.

JAMA 1990; 263: 1106-1113

Paradis NA, Martin GB, Rosenberg J: The effect of standard and high-dose epinephrine on coronary perfusion pressure during prolonged cardiopulmonary resuscitation.

JAMA 1991; 265: 1139-1144

Pazdral TE, Burton JH, Strout TD, Bradshaw JR: Amiodarone and rural emergency medical services cardiac arrest patients: a cost analysis.

Prehosp Emerg Care 2002; 6: 291-294

Peberdy MA, Kaye W, Ornato JP, Larkin GL, Nadkarni V, Mancini ME, Berg RA, Nichol G, Lane Trullt T, Cardiopulmonary resuscitation of adults in the hospital: a report of 14720 cardiac arrests from the National Registry of Cardiopulmonary Resuscitation.

Resuscitation 2003; 58: 297-308

Pell JP, Sirel JM, Marsden AK, Ford I, Walker NL, Cobbe SM, Presentation, management, and outcome of out of hospital cardiopulmonary arrest: comparison by underlying aetiology.

Heart 2003; 89: 839-842

Persse DE, Key CB, Bradley RN, Miller CC, Dhingra A: Cardiac arrest survival as a function of ambulance deployment strategy in a large urban emergency medical services system.

Resuscitation 2003; 59: 97-104

Phillips B, Zideman D, Garcia Castrillo L, Felix M, Shwarz Schwierin U: European Resuscitation Council guidelines 2000 for basic paediatric life support. A statement from the Paediatric Life Support Working Group and approved by the Executive Committee of the European Resuscitation Council.

Resuscitation 2001; 48: 223-229

Pitetti R, Glustein JZ, Bhende MS, Prehospital care and outcome of pediatric out-of-hospital cardiac arrest.

Prehosp Emerg Care 2002; 6: 283-290

Poole JE, White RD, Kanz KG: Low energy impedance-compensating biphasic waveforms terminate ventricular fibrillation at high rates in victims of out-of-hospital cardiac arrest.

J Cardiovasc Electrophysiol 1997; 8: 1373-1385

Pregel AW, Lindner KH, Gervais HW: Was ist neu in der kardiopulmonalen Reanimation?

Anaesthesist 1994; 43: 309-315

Rasch D, Herrendörfer G, Bock J, Victor N, Guiard V (Hrsg.):

Verfahrensbibliothek Versuchsplanung und -auswertung. Band II.

München: Oldenbourg, 1998

Regel G, Seekamp A, Pohlemann T, Schmidt U, Bauer H, Tscherne H: Muss der verunfallte Patient vor dem Notarzt geschützt werden?

Unfallchirurg 1998; 101: 160-175

Rivers EP, Wortsman J, Rady MY, Blake HC, McGeorge FT, Buderer NM: The effect of the total cumulative epinephrine dose administered during human CPR on hemodynamic, oxygen transport, and utilization variables in the postresuscitation period.

Chest 1994; 106: 1499-1507

Rogove HJ, Safar P, Sutton-Tyrrell K, Abramson NS and the Brain Resuscitation Clinical Trial I and II Study Groups: Old age does not negate good cerebral outcome after cardiopulmonary resuscitation: Analyses from the brain resuscitation clinical trials.

Crit Care Med 1995; 23: 18-25

Ryan MP, Young SJ, Wells DL: Do resuscitation attempts in children who die, cause injury?

Emerg Med J 2003; 20: 10-12

Sachs L: Angewandte Statistik. 10. Auflage. Berlin, Heidelberg, New York: Springer-Verlag, 2002

Sack JB, Kesselbrenner MB, Jarrad A: Interposed abdominal compression-cardiopulmonary resuscitation and resuscitation outcome during asystole and electromechanical dissociation.

Circulation 1992; 86: 1692-1700

Safar P: Ventilatory efficacy of mouth-to-mouth artificial respiration.

JAMA 1958; 167: 335-341

Safar P, Bircher N: History and phases and stages of cardiopulmonary resuscitation.

In Safar P, Bircher N (Hrsg): Cardiopulmonary cerebral resuscitation. 3. Auflage. Philadelphia, WB Saunders Co., 1988

Safar P, Elam JO, Jude JR, Wilder RJ, Zoll PM: Resuscitative principles for sudden cardiopulmonary collapse.

Diseases Chest 1963; 43: 34-49

Saner H, Borner Rodriguez E, Kummer Bangerter A, Schuppel R, von Planta M:  
Quality of life in long-term survivors of out-of-hospital cardiac arrests.  
Resuscitation 2002; 53: 7-13

Scherer R, Obertacke U, Lesch M, Delfs M: Integratives Konzept in der  
Durchführung des „Praktikums der Notfallmedizin“.  
Anästhesiol Intensivmed Notfallmed Schmerzther 1996; 31: 163-167

Schneider T, Maier D, Diehl W, Brehmer F, Juchems R, Kettler D, Kleine-Zandler  
R, Klingler H, Rossi R, Roth HJ, Schüttler J, Stratmann D, Strohmenger  
HU, Zander J: Early defibrillation by emergency physicians or  
emergency medical technicians? A controlled, prospective multi-center  
study.  
Resuscitation 1994; 27: 197-206

Schneider T, Diehl P, Mauer D, Dick W: Frühdefibrillation durch  
Rettungsassistenten.  
Notfallmed 1997; 23: 362-366

Schneider I, Martens PR, Raschen H et al.: Multicenter, randomized, controlled  
trial of 150-J biphasic shocks compared with 200 to 360 J monophasic  
shocks in the resuscitation of out-of-hospital cardiac arrest victims.  
Circulation 2000; 102: 1780-1787

Schoenenberger R, Sturmer T, von Planta I, von Planta M: Prähospitale  
Reanimation in städtischen Verhältnissen – Ergebnisse und  
prognostische Entscheidungskriterien.  
Schweiz Med Wochenschr 1995; 125: 573-580

Schüttler J, Bartsch AC, Bremer F, Ebeling BJ, Fodisch M, Kulka P: Effizienz der  
präklinischen kardiopulmonalen Reanimation. Welche Faktoren  
bestimmen den Erfolg?  
Anästh Intensivther Notfallmed 1990; 25: 340-347

Sefrin P: Notfallmedizin heute.

Fortschr. Med. 1982; 100: 1273-1275

Sefrin P: Akutes Kreislaufversagen und seine Behandlung – Stellenwert der Defibrillation in der präklinischen Versorgung.

Biomed Tech (Berl) 2002; 47: 239-242

Seidelin PH, Bridges AB: Cardiopulmonary resuscitation: effect of training junior house officers on outcome of cardiac arrest.

J R Coll Physicians Lond 1993; 27: 52-53

Smith DL, Kim K, Cairns BA, Fakhry SM, Meyer AA: Prospective analysis of outcome after cardiopulmonary resuscitation in critically ill surgical patients.

J Am Coll Surg 1995; 180: 394-401

Snyder AB, Salloum LJ, Barone JE, Conley M, Todd M, DiGiacomo JC: Predicting short-term outcome of cardiopulmonary resuscitation using central venous oxygen tension measurements.

Crit Care Med 1991; 19: 111-113

So HY, Buckley TA, Oh TE: Factors affecting outcome following cardiopulmonary resuscitation.

Anaesth Intens Care 1994; 22: 647-658

Soo LH, Gray D, Young T, Skene A, Hampton JR: Influence of ambulance crew's length of experience on the outcome of out-of-hospital cardiac arrest.

Eur Heart J 1999a; 20: 535-540

Soo LH, Gray D, Young T, Huff N, Skene A, Hampton JR: Resuscitation from out-of-hospital cardiac arrest: is survival dependent on who is available at the scene?

Heart 1999b; 81: 47-52

Soo LH, Gray D, Young T, Hampton JR: Circadian variation in witnessed out of hospital cardiac arrest.

Heart 2000; 84: 370-376



Spaite D, Benoit R, Brown D, Cales R, Dawson D, Glass C, Kaufmann C, Pollock D, Ryan S, Yano EM: Uniform prehospital data elements and definitions: A report from the uniform prehospital emergency medical services data conference.

Ann Emer Med 1995; 25: 525-534

Steen S, Liao Q, Pierre L, Paskevicius A, Sjöberg T: The critical importance of minimal delay between chest compressions and subsequent defibrillation: a haemodynamic explanation.

Resuscitation 2003; 58: 249-258

Stiefelhagen P: Kardiologie 96: „State of the art“. 62. Jahrestagung der Deutschen Gesellschaft für Kardiologie, 11.-13.4.1996, Mannheim.

Anaesthesist 1996; 45: 760-767

Stiell IG, Hebert PC, Weitzman BN: High-dose epinephrine in adult cardiac arrest.

N Engl J Med 1992; 327: 1045-1050

Stiell IG, Hebert PC, Wells GA, Vandemheen KL, Tang AS, Higginson LA, Dreyer JF, Clement C, Battram E, Watpool I, Mason S, Klassen T, Weitzman BN, Vasopressin versus epinephrine for in-hospital cardiac arrest: a randomised controlled trial.

Lancet 2001; 358: 105-109

Stotz M, Albrecht R, Zwicker G, Drewe J, Ummenhofer W: EMS defibrillation-first policy may not improve outcome in out-of-hospital cardiac arrest.

Resuscitation 2003; 58: 277-283

Stratton SJ, Niemann JT: Outcome from out-of-hospital cardiac arrest caused by nonventricular arrhythmias: contribution of successful resuscitation to overall survivorship supports the current practice of initiating out-of-hospital ACLS.

Ann Emerg Med 1998; 32: 448-453

- Sutton-Tyrrell K, Snyder JV, Kelsey S; Abramson N: Risk monitoring of randomized clinical trials in emergency medicine: experience of the Brain Resuscitation Clinical Trial II.  
Am J Emerg Med 1991; 9: 112-117
- Swor RA, Jackson RE, Compton S, Domeier R, Zalenski R, Honeycutt L, Kuhn GJ, Frederiksen S, Pascual RG: Cardiac arrest in private locations: different strategies are needed to improve outcome.  
Resuscitation 2003a; 58: 171-176
- Swor R, Compton S, Vining F, Ososky Farr, L, Kokko S, Pascual R, Jackson RE: A randomized controlled trial of chest compression only CPR for older adults-a pilot study.  
Resuscitation 2003b; 58: 177-185
- Takasu A, Yagi K, Ishihara S, Okada Y: Combined continuous monitoring of systemic and cerebral oxygen metabolism after cardiac arrest.  
Resuscitation 1995; 29: 189-194
- Task Force of Representatives from the European Resuscitation Council, American Heart Association, Heart and Stroke Foundation of Canada, Australian Resuscitation Council: Recommended guidelines for uniform reporting of data from out-of-hospital cardiac arrest: The „Utstein style“.  
Resuscitation 1991; 22: 1-26
- Tebbe U, Carlsson J: Kardiopulmonale Reanimation: Darstellung und Kommentar aktueller Richtlinien.  
Internist; 1998: 39-179-187
- Thakur RK, Hoffmann RG, Olson DW, Joshi R, Tresch DD, Aufderheide TP: Circadian variation in sudden cardiac death: effects of age, sex, and initial cardiac rhythm.  
Ann Emerg Med 1996; 27: 29-34

- Tormo Calandin C, Manrique Martinez I: Recomendaciones para el registro uniforme de datos en la reanimacion cardiopulmonar avanzada pediatrica: estilo Utstein pediatrico.  
An Esp Pediatr 2002; 56: 516-526
- Townsend RN, Clark R, Ramenofsky ML, Diamond DL: ATLS-based videotape trauma resuscitation review: education and outcome.  
J Trauma 1993; 34: 133-138
- Trappe HJ: Frühdefibrillation in USA, Europa und Deutschland: Voraussetzungen, Erfahrungen, Perspektiven  
Herzschrittmacherther Elektrophysiol 2005; 16: 94-102
- Tresch DD, Neahring JM, Duthie EH, Mark DH, Kartes SK, Aufderheide TP:  
Outcomes of cardiopulmonary resuscitation in nursing homes: can we predict who will benefit?  
Am J Med 1993; 95: 123-130
- Tuchschmidt JA, Mecher CE: Predictors of outcome from critical illness. Shock and cardiopulmonary resuscitation.  
Crit Care Clin 1994; 10: 179-195
- Valenzuela TD, Spaite DW, Meislin HW, Clark LL, Wright AL, Ewy GA: Emergency vehicle intervals versus collapse-to-CPR and collapse-to-defibrillation intervals: monitoring emergency medical services system performance in sudden cardiac arrest.  
Ann Emerg Med 1993; 22: 1678-1683
- Valenzuela TD, Roe DJ, Cretin S, Spaite DW, Larsen MP: Estimating effectiveness of cardiac arrest interventions: a logistic regression survival model.  
Circulation 1997; 96: 3308-3313
- Voelckel WG, Lurie KG, McKnite S, Zielinski T, Lindstrom P, Peterson C, Krismer AC, Lindner KH, Wenzel V: Comparison of epineprine and vasopressin in a pediatric porcine model of asphyxial cardiac arrest.  
Crit Care Med 2000, 28: 3777-3783

Voelckel WG, Lurie KG, McKnite S, Zielinski T, Lindstrom P, Peterson C, Wenzel V, Lindner KH, Benditt: Effects of epinephrine and vasopressin in a piglet model of prolonged ventricular fibrillation and cardiopulmonary resuscitation.

Crit Care Med 2002; 30: 957-962

Vos de R: Quality of life after cardiopulmonary resuscitation.

Resuscitation 1997; 35: 231-236

Vos de R: To be resuscitated or not: the concepts in decision making.

J Cardiovasc Nurs 2001; 16: 21-27

Vreede-Swagemakers de JJM, Gorgels APM, Dubois-Arbouw WI, Dalstra J, Daemen MJAP, van Ree JW, Stijns RE, Wellens HJJ: Circumstances and causes of out-of-hospital cardiac arrest in sudden death survivors.

Heart 1998; 79: 356-361

Vukmir RB, Katz L, Sodium Bicarbonate Study Group: Sodium bicarbonate improves outcome in prolonged prehospital cardiac arrest.

Am J Emerg Med 2006; 24: 156-161

Waalewijn RA, de Vos R, Koster RW: Out-of-hospital cardiac arrests in Amsterdam and its surrounding areas. results from the Amsterdam resuscitation study (ARREST) in 'Utstein' style.

Resuscitation 1998; 38: 157-167

Walters WA, Bailey H, Kaplan LJ: Can preclinical medical students be integrated into the continuing medical education process by instructing prehospital care providers?

Am J Surg 2000; 179: 229-233

Warner SC, Sharma TK: Outcome of cardiopulmonary resuscitation and predictors of resuscitation status in an urban community teaching hospital.

Resuscitation 1994; 27: 13-21

- Wayne MA, Racht EM, Aghababian RV, Kudenchuk PJ, Ornato JP, Slovis CM,  
Prehospital management of cardiac arrest: how useful are vasopressor  
and antiarrhythmic drugs?  
Prehosp Emerg Care 2002; 6: 72-80
- Weiler N, Heinrichs W, Dick W: Assessment of pulmonary mechanics and gastric  
inflation pressure during mask ventilation.  
Prehosp Disaster med 1995; 10: 101-105
- Weisfeldt ML, Kerber RE, McGoldrick RP, Moss AJ, Nichol F, Ornato JP, Palmer  
DG, Riegel B, Smith SC for the Automatic External Defibrillation Task  
Force: American Heart Association report on the public access defibril-  
lation conference december 8-10, 1994.  
Circulation 1995; 92: 2740-2747
- Wenzel V, Lindner KH, Prengel AW: Beatmung während der kardiopulmonalen  
Reanimation (CPR).  
Anaesthesist 1997; 46: 133-141
- Wenzel V, Lindner KH, Augenstein S, Voelckel W, Strohmenger HU, Prengel AW,  
Steinbach G: Intraosseous vasopressin improves coronary perfusion  
pressure rapidly during cardiopulmonary resuscitation in pigs.  
Crit Care Med 1999; 27: 1565-1569
- Wenzel V, Krismer AC, Arntz HR, Sitter H, Stadlbauer KH, Lindner KH: A com-  
parison of Vasopressin and Epinephrine for Out-of-hospital cardiopul-  
monary resuscitation.  
N Engl J Med 2004, 350: 105-113
- Westal RE, Reissman S, Doering G: Out-of-hospital cardiac arrests: an 8-year New  
York City experience.  
Am J Emerg Med 1996; 14: 364-368
- White RD: Technologic advances and program initiatives in public access defibril-  
lation using automated external defibrillators.  
Curr Opin Crit Care 2001; 7: 145-151

White RD, Hankins DG, Atkinson EJ: Patients outcome following defibrillation with a low energy biphasic truncated exponential waveform in out-of-hospital cardiac arrest.

Resuscitation 2001; 49: 9-14

Wik L: Rediscovering the importance of chest compression to improve outcome from cardiac arrest.

Resuscitation 2003; 58: 267-269

Wik L, Steen PA, Bircher NG: Quality of bystander cardiopulmonary resuscitation influences outcome after prehospital cardiac arrest.

Resuscitation 1994; 28: 195-203

Wik L, Hansen TB, Frytting F, Stehen T, Vaagenes P, Auestad BH, Steen PA:

Delaying defibrillation to give basic cardiopulmonary resuscitation to patients with out-of-hospital ventricular fibrillation: a randomized trial.

JAMA 2003; 1389-1395

Wolcke BB, Mauer DK, Schoefmann MF, Teichmann H, Provo TA, Lindner KH, Dick WF, Aeppli D, Lurie KG: Comparison of standard cardiopulmonary resuscitation versus the combination of active compression-decompression cardiopulmonary resuscitation and an inspiratory impedance threshold device for out-of-hospital cardiac arrest.

Circulation 2003; 108: 2201-2205

Woollard M, Smith A, Whitfield R, Chamberlain D, West R, Newcombe R, Clawson J, To blow or not to blow: a randomised controlled trial of compression-only and standard telephone CPR instructions in simulated cardiac arrest.

Resuscitation 2003; 59: 123-131

Working Group of the European Resuscitation Council: Guidelines for basic and advanced life support.

Resuscitation 1992; 24: 103-108

Working Group on Research Coordination of the European Resuscitation Council:

Forms for registration of CPR efforts and outcome, respectively for out-of-hospital and in-hospital cardiac arrest.

Resuscitation 1992; 24: 155-166

Wortzman J, Paradis NA, Martin GB, Rivers EP, Goetting MG, Nowak RM, Cryer PE: Functional responses to extremely high plasma epinephrine concentrations in cardiac arrest.

Crit Care Med 1993; 21: 692-697

Wuerz RD, Holliman CJ, Meador SA, Swope GE, Balogh R: Effect of age on pre-hospital cardiac resuscitation outcome.

Am J Emerg Med 1995; 13: 389-391

Yealy DM: How much „significance“ is significant? The transition from animal models to human trials in resuscitation research.

Ann Emerg Med 1993; 22: 11-16

Zehender M, Meinertz T, Hohnloser S, Geibel A, Gerisch U, Olschewski M, Just H: Prevalence of circadian variations and spontaneous variability of cardiac disorders and ECG changes suggestive of myocardial ischemia in systemic arterial hypertension.

Circulation 1992a; 85: 1808-1815

Zehender M, Hohnloser S, Just H: Zirkadiane Rhythmen bei koronarer Herzkrankheit.

Dtsch med Wschr 1992b; 117: 629-637

Zhang Y, Karlsson G, Davies LR, Coddington WJ, Kerber RE: Biphasic and monophasic transthoracic defibrillation in pigs with acute left ventricular dysfunction.

Resuscitation 2001; 50: 95-101

Zwemer DF, O'Connor EM, Whitesall SE, D'Alecy LG: Gender differences in 24-hour outcome following resuscitation after 9 minutes of cardiac arrest in dogs.

Crit Care Med 1997; 25: 330-338

Zylka-Menhorn, V: Kenntnisse in der Ranimation weisen Mängel auf. Dt

Aerzteblatt 2004; 101: C76-77