

11 Notfälle im Herzkatheterlabor

- [1] Criley JM, Niemann JT, Rosborough JP et al. Modifications of cardio-pulmonary resuscitation based on the cough. *Circulation* 4:IV42–50, 1986
- [2] Miller B, Lesnefsky E, Heyborne T et al. Cough-cardiopulmonary resuscitation in the cardiac catheterization laboratory: hemodynamics during an episode of prolonged hypotensive ventricular tachycardia. *Cathet Cardiovasc Diagn* 18:168–171, 1989
- [3] Robertson C. The precordial thump and cough techniques in advanced life support. A statement for the Advanced Life Support Working Party of the European Resuscitation Council. *Resuscitation* 24:133–135, 1992
- [4] Saba SE, David SW. Sustained consciousness during ventricular fibrillation: case report of cough cardiopulmonary resuscitation. *Cathet Cardiovasc Diagn* 37:47–48, 1996
- [5] Girsky MJ, Criley JM. Images in cardiovascular medicine. Cough cardiopulmonary resuscitation revisited. *Circulation* 114:e530–531, 2006
- [6] Monsieurs KG, Nolan JP, Bossaert LL et al. European Resuscitation Council guidelines for resuscitation 2015: Section 1. Executive summary. *Resuscitation* 95:1–80, 2015
- [7] Monsieurs KG, Nolan JP, Bossaert LL et al. Kapitel 1 der Leitlinien zur Reanimation 2015 des European Resuscitation Council. *Notfall Rettungsmed* 18:655–747, 2015
- [8] Soar J, Nolan JP, Bottiger BW et al. European Resuscitation Council guidelines for resuscitation 2015: Section 3. Adult advanced life support. *Resuscitation* 95:100–147, 2015
- [9] Perkins GD, Olasveengen TM, Maconochie I et al. European Resuscitation Council guidelines for resuscitation: 2017 update. *Resuscitation* 128:43–50, 2018
- [9a] Priori SG, Blomström-Lundqvist C et al., ESC Scientific Document Group. 2015 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death. *Eur Heart J* 36:2793–2867, 2015
- [9b] Kirchhof P, Benussi S, Kotecha D et al., ESC Scientific Document Group. 2016 ESC Guidelines for the management of atrial fibrillation developed in collaboration with EACTS. *Eur Heart J* 37:2893–2962, 2016
- [9c] Hindricks G, Potpara T, Dagres N et al., ESC Scientific Document Group. 2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association for Cardio-Thoracic Surgery (EACTS). *Eur Heart J* 42:373–498, 2021. Erratum in: *Eur Heart J* 42:507, 2021. Erratum in: *Eur Heart J* 42:546–547, 2021. Erratum in: *Eur Heart J* 42:4194, 2021
- [9d] Rettungsdienst Factsheets 2022. <https://rd-factsheets.de/factsheets/bradykardie/> (10.01.2022)
- [10] Link MS, Atkins DL, Passman RS et al. Part 6: electrical therapies: automated external defibrillators, defibrillation, cardioversion, and pacing: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation* 122(Suppl 3):S706–719, 2010. Erratum in: *Circulation* 123:e235, 2011
- [11] Radke PW, Wolfrum S, Elsässer A et al. „Standard Operating Procedures“ für periprozedurale Komplikationen im Herzkatheterlabor. *Kardiologie* 5:27–37, 2011
- [12] Wieneke H, Konorza T, Breuckmann F et al. Automatic external defibrillator – mode of operation and clinical use. *Dtsch Med Wochenschr* 133:2163–2167, 2008
- [13] Soar J, Donnino MW, Maconochie I et al. 2018 International consensus on cardiopulmonary resuscitation and emergency

- cardiovascular care science with treatment recommendations summary. *Circulation* 138:e714–730, 2018
- [13a] Jörgens M, Königer J, Kanz KG et al. Testing mechanical chest compression devices of different design for their suitability for prehospital patient transport – a simulator-based study. *BMC Emerg Med* 21:1–8, 2021
- [14] Hallstrom AI, Rea TD, Sayre MR et al. Manual chest compression vs use of an automated chest compression device during resuscitation following out-of-hospital cardiac arrest: a randomized trial. *JAMA* 295:2620–2628, 2006
- [15] Perkins GD, Lall R, Quinn T et al. Mechanical versus manual chest compression for out-of-hospital cardiac arrest (PARAMEDIC): a pragmatic, cluster randomised controlled trial. *Lancet* 385:947–955, 2014
- [16] Rubertsson S, Lindgren E, Smekal D et al. Mechanical chest compressions and simultaneous defibrillation vs conventional cardiopulmonary resuscitation in out-of-hospital cardiac arrest. *JAMA* 311:353, 2014
- [17] Koster RW, Beenen LF, van der Boom EB et al. Safety of mechanical chest compression devices AutoPulse and LUCAS in cardiac arrest: a randomized clinical trial for non-inferiority. *Eur Heart J* 38:3006–3013, 2017
- [18] Cave DM, Gazmuri RJ, Otto CW et al. Part 7: CPR techniques and devices: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation* 122:(18 Suppl 3):S720–728, 2010
- [19] Soar J, Nolan JP, Bottiger BW et al. Erweiterte Reanimationsmaßnahmen für Erwachsene („adult advanced life support“). Kapitel 3 der Leitlinien zur Reanimation 2015 des European Resuscitation Council. *Notfall Rettungsmed* 20:S25–88, 2017
- [19a] Kudenchuk PJ, Brown SP, Daya M et al., Resuscitation Outcomes Consortium Investigators. Amiodarone, Lidocaine, or placebo in out-of-hospital cardiac arrest. *N Engl J Med* 374:1711–1722, 2016
- [19b] Soar J, Berg KM, Andersen LW et al., Adult Advanced Life Support Collaborators. Adult Advanced Life Support: 2020 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Resuscitation* 156:A80–A119, 2020
- [20] Wallbach M, Lach N, Stock J et al. Direct assessment of adherence and drug interactions in patients with hypertensive crisis: a cross-sectional study in the Emergency Department. *J Clin Hypertens* (Greenwich) 21:55–63, 2019
- [21] Zidek W. V.a. hypertensive Krise. *MMW Fortschritte der Medizin* 4:41–42, 2019
- [22] Williams B, Mancia G, Spiering W et al. 2018 Practice Guidelines for the management of arterial hypertension of the European Society of Hypertension and the European Society of Cardiology: ESH/ESC Task Force for the Management of Arterial Hypertension. *J Hypertens* 36:2284–2309, 2018
- [23] Nef HM, Achenbach S, Birekeyer R et al. Manual der Arbeitsgruppe Interventionelle Kardiologie (AGIK) der Deutschen Gesellschaft für Kardiologie – Herz- und Kreislaufforschung e.V. (DGK). Teil 1: Durchführung der diagnostischen Koronarographie. *Kardiologe* 15:370–403, 2021
- [23a] Nef HM, Achenbach S, Birekeyer R et al. Manual der Arbeitsgruppe Interventionelle Kardiologie (AGIK) der Deutschen Gesellschaft für Kardiologie – Herz- und Kreislaufforschung e.V. (DGK). Teil 2: Durchführung der perkutanen Koronarintervention. *Kardiologe* 15:542–584, 2021
- [24] Erbel R. Perkutane Perikarddrainage und Perikardfenestration. In: Günther RW, Theilen M (Hrsg), *Interventionelle Radiologie*. 2. Aufl. Thieme, Stuttgart, pp 384–390, 1996
- [25] Horowitz MS, Schultz CS, Stinson EB et al. Sensitivity and specificity of echocardiographic diagnosis of pericardial effusion. *Circulation* 50:239–247, 1974
- [25a] Maisch B, Seferović PM, Ristić AD et al., Task Force on the Diagnosis and Management of Pericardial Diseases of the European Society of Cardiology. Guidelines on the diagnosis and management of pericardial diseases executive summary. *Eur Heart J* 25:587–610, 2004
- [26] Adler Y, Charron P, Imazio M et al. 2015 ESC Guidelines for the diagnosis and management of pericardial diseases: The Task Force for the Diagnosis and Management of Pericardial Diseases of the European Society of Cardiology (ESC) Endorsed by: The European Association for Cardio-Tho-

- racic Surgery (EACTS). *Eur Heart J* 36:2921–2964, 2015
- [27] Klopfenstein HS, Cogswell TL, Bernath GA et al. Alterations in intravascular volume affect the relation between right ventricular diastolic collapse and the hemodynamic severity of cardiac tamponade. *J Am Coll Cardiol* 6:1057–1063, 1985
- [28] Schiller NB, Botvinick EH. Right ventricular compression as a sign of cardiac tamponade: an analysis of echocardiographic ventricular dimensions and their clinical implications. *Circulation* 56:774–779, 1977
- [29] Merx W, Schweizer P, Krebs W et al. Verbesserte Punktionstechnik des Perikards und Quantifizierung von Perikardergüssen mittels Ultraschall. *Dtsch Med Wschr* 104:19–21, 1979
- [30] Schweizer P, Merx W, Krebs W et al. Quantification of pericardial effusion by echocardiography. In: Tavers BM, Frey R, Anästhesiologie und Intensivmedizin 116:258–261, 1979
- [31] Pfeiffer C, Kerb T, Erbel R et al. Echokardiographische Volumenbestimmung von Perikardergüssen. *Klin Wschr* 63(Suppl IV):4–8, 1985
- [32] Settle HR, Adolph RJ, Fowler NO et al. Echocardiographic study of cardiac tamponade. *Circulation* 56:951–959, 1977
- [33] Gillam LD, Guyer E, Gibson TC et al. Hydrodynamic compression of the right atrium: a new echocardiographic sign of cardiac tamponade. *Circulation* 68:294–301, 1983
- [34] Kronzon JM, Cohen L, Winer HL. Diastolic atrial compression: a sensitive echocardiographic sign of cardiac tamponade. *J Am Coll Cardiol* 2:770–775, 1983
- [35] Singh SKL, Wann S, Klopfenstein S et al. Usefulness of right ventricular diastolic collapse in diagnosing cardiac tamponade and comparison to pulsus paradoxus. *Am J Cardiol* 57:652–656, 1986
- [36] Gaffney FA, Keller AM, Peshock RM et al. Pathophysiologic mechanism of cardiac tamponade and pulsus alternans shown by echocardiography. *Am J Cardiol* 53:1662–1666, 1984
- [37] Kwasnik EM, Koster EJ Jr, Lazarus JM et al. Conservative management of uremic pericardial effusions. *J Thorac Cardiovasc Surg* 76:629–632, 1978
- [38] Cikes J. Pericardiocentesis guided by ultrasound. *Echocardiography in cardiac interventions*. Klüwer, Dordrecht, pp 133–145, 1989
- [39] Erbel R. Perikarderguß – Überschätzung durch Sonographie. *Ultraschall Klin Prax* 1:41–42, 1986
- [40] Masumi RA, Rios CJ, Ross AM et al. Technique for insertion of an indwelling intrapericardial catheter. *Brit Heart J* 30:333–335, 1968
- [41] Bishop LH, Estes EH Jr, McIntosh HD. The electrocardiogram as a safeguard in pericardiocentesis. *J Am med Ass* 162:264–265, 1956
- [42] Glancy DL, Richter MA. Catheter drainage of the pericardial space. *Cathet Cardiovasc Diagn* 1:311–315, 1973
- [43] Nordenstrom B. Percutaneous catheterization of the pericardium. *Acta Radiol Diagn* 4:662, 1966
- [44] Wong B, Murphy J, Chang CJ et al. The risk of pericardiocentesis. *Am J Cardiol* 44:1110–1114, 1979
- [45] Callahan JA, Seward JB, Nishimura RA et al. Two-dimensional echocardiographically guided pericardiocentesis: experience in 117 consecutive patients. *Am J Cardiol* 55:476–479, 1985
- [46] Ristić AD, Wagner HJ, Maksimović R, Maisch B. Epicardial halo phenomenon: a guide for pericardiocentesis? *Heart Fail Rev* 18:307–316, 2013
- [47] Hoit BD, Gabel M, Fowler NO. Hemodynamic efficacy of rapid saline infusion and dobutamine versus saline infusion alone in a model of cardiac rupture. *Am J Cardiol* 16:1745–1749, 1990
- [48] Park SC, Pahl E, Ettedgui JA et al. Experience with a newly developed pericardiocentesis set. *Am J Cardiol* 66:1529–1531, 1990
- [49] Kopecky SL, Callahan JA, Tajik AJ et al. Percutaneous pericardial catheter drainage: report of 42 consecutive cases. *Am J Cardiol* 58:633–635, 1986
- [49a] Petri N, Ertel B, Gassenmaier T et al. “Blind” pericardiocentesis: a comparison of different puncture directions. *Catheter Cardiovasc Interv* 92:E327–E332, 2018
- [49b] Silvestry FE, Kerber RE, Brook MM et al. Echocardiography-guided interventions. *J Am Soc Echocardiogr* 22:213–231, 2009
- [49c] Ristić AD, Imazio M, Adler Y et al. Triage strategy for urgent management of cardiac

- tamponade: a position statement of the European Society of Cardiology Working Group on Myocardial and Pericardial Diseases. *Eur Heart J* 35:2279–2284, 2014
- [50] Hancock EW. Subacute effusive constrictive pericarditis. *Circulation* 43:183–192, 1971
- [51] Zurick AO, Klein AL. Effusive-constrictive pericarditis. *JACC* 56:86, 2000
- [52] Steinberg I. Effusive-constrictive radiation pericarditis. *Am J Cardiol* 19:434–439, 1967
- [53] Low RI, Arthur A, Kelly PB et al. Clotted hemopericardium post myocardial infarction presenting as effusive constrictive pericarditis. *Am Heart J* 109:905–918, 1985
- [54] van der Bijl P, Herbst P, Doubell AF. Redefining effusive-constrictive pericarditis with echocardiography. *J Cardiovasc Ultrasound* 24:317–323, 2016
- [55] Guberman BA, Fowler NO, Engel PJ et al. Cardiac tamponade in medical patients. *Circulation* 64:633–640, 1981
- [56] Krikorian JG, Hancock EW. Pericardiocentesis. *Am J Med* 65:808–814, 1978
- [57] Tsang TS, Barnes ME, Hayes SN et al. Clinical and echocardiographic characteristics of significant pericardial effusion following cardiothoracic surgery and outcomes of echo-guided pericardiocentesis for management: Mayo Clinic experience, 1979–1998. *Chest* 16:322–331, 1999
- [58] Zimmermann R. Perikarderguß und Punktion. *Dtsch Med Wschr* 118:1544, 1993
- [58a] Rafique AM, Patel N, Biner S et al. Frequency of recurrence of pericardial tamponade in patients with extended versus nonextended pericardial catheter drainage. *Am J Cardiol* 108:1820–1825, 2011
- [59] Ziskind AA, Pearce AC, Lemmon CC et al. Percutaneous balloon pericardiotomy for the treatment of cardiac tamponade and large pericardial effusions: Description of technique and report of the first 50 cases. *Clin Studies* 21:1–5, 1993
- [60] Beck CS. Two cardiac compression triads. *JAMA* 104:714–716, 1935
- [61] Palacios IF, Tuzcu EM, Ziskind AA et al. Percutaneous balloon pericardial window for patients with malignant pericardial effusion and tamponade. *Cather Cardiovasc Diagn* 48:244–249, 1991
- [62] Vora AM, Lokhandwala YY, Purshottam AK. Echocardiography guided creation of balloon pericardial window. *Cather Cardiovasc Diagn* 25:164–165, 1992
- [63] D'Cruz IA, Hoffman PK. A new cross sectional echocardiographic method for estimating the volume of large pericardial effusions. *Brit Heart J* 66:448–451, 1991
- [64] Chow L, Chow WH. Mechanism of pericardial window creation by balloon pericardiotomy. *Am J Cardiol* 72:1321–1322, 1993
- [65] Chow L, Chow TC, Yip ASB et al. Nonsurgical creation of a pericardial window: identification by echocardiography. *Echocardiography* 11:145–147, 1992
- [66] Ziskind AA, Pearce AC, Lemmon CC et al. Percutaneous balloon pericardiotomy for the treatment of cardiac tamponade and large pericardial effusions: description of technique and report of the first 50 cases. *Clin Studies* 21:1–5, 1993
- [67] Yoshida M, Sakiyama S, Kondo K et al. Thoracoscopic pericardial fenestration for effective long-term management of non-tuberculous mycobacterium pericarditis. *Gen Thorac Cardiovasc Surg* 63:49–51, 2015