

Part**1 循環器****第1章 失神****○参照文献**

1. Brignole M, et al. Practical Instructions for the 2018 ESC Guidelines for the diagnosis and management of syncope. Eur Heart J 2018;39:e43-80.
PMID: 29562291 ガイドライン
2. Soteriades ES, et al. Incidence and prognosis of syncope. N Engl J Med 2002;347:878-85.
PMID: 12239256 推奨文献
3. Strickberger SA, et al. AHA/ACCF scientific statement on the evaluation of syncope: from the American Heart Association Councils on Clinical Cardiology, Cardiovascular Nursing, Cardiovascular Disease in the Young, and Stroke, and the Quality of Care and Outcomes Research Interdisciplinary Working Group; and the American College of Cardiology Foundation In Collaboration With the Heart Rhythm Society. J Am Coll Cardiol 2006;47:473-84.
PMID: 16412888 ガイドライン
4. Quinn JV, et al. Derivation of the San Francisco Syncope Rule to predict patients with short-term serious outcomes. Ann Emerg Med 2004;43:224-32.
PMID: 14747812 推奨文献
5. Srygley FD, et al. Does this patient have a severe upper gastrointestinal bleed? JAMA 2012;307:1072-9.
PMID: 22416103
6. Chen LY, et al. Management of syncope in adults: an update. Mayo Clin Proc. 2008;83:1280-93.
PMID: 18990328 推奨文献
7. Linzer M, et al. Diagnosing syncope. Part 2: Unexplained syncope. Clinical Efficacy Assessment Project of the American College of Physicians. Ann Intern Med 1997;127:76-86.
PMID: 9214258
8. Shen WK, et al. 2017 ACC/AHA/HRS Guideline for the Evaluation and Management of Patients with Syncope: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines, and the Heart Rhythm Society. Heart Rhythm 2017;14:e155-217.
PMID: 28286247 ガイドライン
9. Chobanian AV, et al. Mineralocorticoid-induced hypertension in patients with orthostatic hypotension. N Engl J Med 1979;301:68-73.
PMID: 449947

第2章 急性冠症候群 (ACS)**○参照文献**

1. O'Gara PT, et al. 2013 ACCF/AHA guideline for the management of ST-elevation myocardial infarction: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. Circulation 2013;

- 127 : e362–425. PMID : 23247304 ガイドライン
2. Thygesen K, et al. Fourth universal definition of myocardial infarction (2018). Eur Heart J 2019 ; 40 : 237–69.
3. Roffi M, et al. 2015 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation : Task Force for the Management of Acute Coronary Syndromes in Patients Presenting without Persistent ST-Segment Elevation of the European Society of Cardiology (ESC). Eur Heart J 2016 ; 37 : 267–315. PMID : 26320110 ガイドライン
4. 木村一雄ほか. 急性冠症候群ガイドライン(2018年改訂版).<http://www.j-circ.or.jp/guideline/pdf/JCS2018_kimura.pdf> ガイドライン
5. Amsterdam EA, et al. 2014 AHA/ACC guideline for the management of patients with non-ST-elevation acute coronary syndromes : a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines. Circulation 2014 ; 130 : e344–426. PMID : 25249585 ガイドライン
6. Kutty RS, et al. Mechanical complications of acute myocardial infarction. Cardiol Clin 2013 ; 31 : 519–31, vii–viii. PMID : 24188218 推奨文献
7. Hofmann R, et al. Oxygen Therapy in Suspected Acute Myocardial Infarction. N Engl J Med 2017 ; 377 : 1240–9. PMID : 28844200
8. Antman EM, et al. The TIMI risk score for unstable angina/non-ST elevation MI : A method for prognostication and therapeutic decision making. JAMA 2000 ; 284 : 835–42. PMID : 10938172
9. Thygesen K, et al. Fourth Universal Definition of Myocardial Infarction (2018). Circulation 2018 ; 138 : e618–51. PMID : 30571511
10. Tardif JC, et al. Efficacy and Safety of Low-Dose Colchicine after Myocardial Infarction. N Engl J Med 2019 ; 381 : 2497–505. PMID : 31733140
11. Silvet H, et al. Communitywide trends in the use and outcomes associated with beta-blockers in patients with acute myocardial infarction : the Worcester Heart Attack Study. Arch Intern Med 2003 ; 163 : 2175–83. PMID : 14557215
12. Sabatine MS, et al. Evolocumab and Clinical Outcomes in Patients with Cardiovascular Disease. N Engl J Med 2017 ; 376 : 1713–22. PMID : 28304224
13. Reeder GS. Identification and treatment of complications of myocardial infarction. Mayo Clin Proc 1995 ; 70 : 880–4. PMID : 7643642 推奨文献
14. Delewi R, et al. Left ventricular thrombus formation after acute myocardial infarction. Heart 2012 ; 98 : 1743–9. PMID : 23151669
15. Lawler PR, et al. Efficacy of exercise-based cardiac rehabilitation post-myocardial infarction : a systematic review and meta-analysis of randomized controlled trials. Am Heart J 2011 ; 162 : 571–84. e2. PMID : 21982647

◎リンクページ

- GRACE スコア

<<https://www.mdcalc.com/grace-acs-risk-mortality-calculator>>

第3章 急性心不全

○参考文献

- 筒井裕之ほか. 急性・慢性心不全診療ガイドライン(2017年改訂版). <https://www.j-circ.or.jp/old/guideline/pdf/JCS2017_tsutsui_h.pdf> ガイドライン 推奨文献
- Ponikowski P, et al. 2016 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure : The Task Force for the diagnosis and treatment of acute and chronic heart failure of the European Society of Cardiology (ESC). Developed with the special contribution of the Heart Failure Association (HFA) of the ESC. Eur J Heart Fail 2016 ; 18 : 891-975. PMID : 27207191 ガイドライン
- Yancy CW, et al. 2013 ACCF/AHA guideline for the management of heart failure : a report of the American College of Cardiology Foundation/American Heart Association Task Force on practice guidelines. Circulation 2013 ; 128 : e240-327. PMID : 23741058 ガイドライン 推奨文献
- Yancy CW, et al. 2017 ACC/AHA/HFSA focused update of the 2013 ACCF/AHA guideline for the management of heart failure : A report of the American College of Cardiology/American Heart Association task force on clinical practice guidelines and the Heart Failure Society of America. Circulation 2017 ; 136 : e137-61. PMID : 28455343 ガイドライン
- McMurray JJ, et al. ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure 2012 : The task force for the diagnosis and treatment of acute and chronic heart failure 2012 of the European Society of Cardiology. Developed in collaboration with the Heart Failure Association (HFA) of the ESC. Eur Heart J 2012 ; 33 : 1787-847. PMID : 22611136 ガイドライン 推奨文献
- Thiele H, et al. Intra-aortic balloon counterpulsation in acute myocardial infarction complicated by cardiogenic shock (IABP-SHOCK II) : final 12 month results of a randomised, open-label trial. Lancet 2013 ; 382 : 1638-45. PMID : 24011548
- Gray A, et al. Noninvasive ventilation in acute cardiogenic pulmonary edema. N Engl J Med 2008 ; 359 : 142-51. PMID : 18614781
- Packer M, et al. The effect of carvedilol on morbidity and mortality in patients with chronic heart failure. U.S. Carvedilol Heart Failure Study Group. N Engl J Med 1996 ; 334 : 1349-55. PMID : 8614419
- Zannad F, et al. Eplerenone in patients with systolic heart failure and mild symptoms. N Engl J Med 2011 ; 364 : 11-21. PMID : 21073363
- Zinman B, et al. empagliflozin, cardiovascular outcomes, and mortality in type 2 diabetes. N Engl J Med 2015 ; 373 : 2117-28. PMID : 26378978
- McMurray JJV, et al. Dapagliflozin in patients with heart failure and reduced ejection fraction. N Engl J Med 2019 ; 381 : 1995-2008. PMID : 31535829
- McMurray JJ, et al. PARADIGM-HF Investigators and Committees. Angiotensin-neprilysin inhibition versus enalapril in heart failure. N Engl J Med 2014 ; 371 : 993-1004. PMID : 25176015
- Ponikowski P, et al. 2016 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure : The task force for the diagnosis and treatment of acute and chronic heart failure of the European Society of Cardiology (ESC) developed with the special contribution of the Heart Failure Association (HFA) of the ESC.

- Eur Heart J 2016; 37: 2129–200. PMID: 27206819 ガイドライン
14. Rathore SS, et al. Association of serum digoxin concentration and outcomes in patients with heart failure. JAMA 2003; 289: 871–8. PMID: 12588271
15. Di Biase L, et al. Ablation versus amiodarone for treatment of persistent atrial fibrillation in patients with congestive heart failure and an implanted device: Results from the AATAC multicenter randomized trial. Circulation 2016; 133: 1637–44. PMID: 27029350
16. Marrouche NF, et al. Catheter ablation for atrial fibrillation with heart failure. N Engl J Med 2018; 378: 417–27. PMID: 29385358
17. Masuyama T, et al. Superiority of long-acting to short-acting loop diuretics in the treatment of congestive heart failure. Circ J 2012; 76: 833–42. PMID: 22451450
18. Pitt B, et al. Spironolactone for heart failure with preserved ejection fraction. N Engl J Med 2014; 370: 1383–92. PMID: 24716680
19. Lainscak M, et al. Self-care management of heart failure: practical recommendations from the Patient Care Committee of the Heart Failure Association of the European Society of Cardiology. Eur J Heart Fail 2011; 13: 115–26. PMID: 21148593

●リンクページ

- 日本心不全学会「心不全手帳」
[<http://www.asas.or.jp/jhfs/topics/shinhuzentecho.html>](http://www.asas.or.jp/jhfs/topics/shinhuzentecho.html)

第4章 心筋症

●参考文献

- Templin CC, et al. Clinical Features and Outcomes of Takotsubo (Stress) Cardiomyopathy. N Engl J Med 2015; 373: 929–38. PMID: 26332547 推奨文献
- Tsuchihashi K, et al. Transient left ventricular apical ballooning without coronary artery stenosis: a novel heart syndrome mimicking acute myocardial infarction. Angina Pectoris–Myocardial Infarction Investigations in Japan. J Am Coll Cardiol 2001; 38: 11–8. PMID: 11451258 推奨文献
- Bybee KA, et al. Systematic review: transient left ventricular apical ballooning: a syndrome that mimics ST-segment elevation myocardial infarction. Ann Intern Med 2004; 141: 858–65. PMID: 15583228 推奨文献
- Kosuge M, et al. Simple and accurate electrocardiographic criteria to differentiate takotsubo cardiomyopathy from anterior acute myocardial infarction. J Am Coll Cardiol 2010; 55: 2514–6. PMID: 20510222
- Gianni M, et al. Apical ballooning syndrome or takotsubo cardiomyopathy: a systematic review. Eur Heart J 2006; 27: 1523–9. PMID: 16720686 推奨文献
- Scantlebury DC, et al. Diagnosis of Takotsubo cardiomyopathy. Circ J 2014; 78: 2129–39. PMID: 25131525
- De Backer O, et al. Prevalence, associated factors and management implications of left ventricular outflow tract obstruction in takotsubo cardiomyopathy: a two-year, two-center experience. BMC Cardiovasc Disord 2014; 14: 147. PMID: 25339604
- Nishida J, et al. “Ballooning” patterns in takotsubo cardiomyopathy reflect different clinical backgrounds and outcomes: a BOREAS–TCM study. Heart Vessels 2015;

- 30 : 789–97. PMID : 25059855
9. Brockenbrough EC, et al. A hemodynamic technic for the detection of hypertrophic subaortic stenosis. Circulation 1961 ; 23 : 189–94.
10. Nishimura RA, et al. Clinical practice. Hypertrophic obstructive cardiomyopathy. N Engl J Med 2004 ; 350 : 1320–7. PMID : 15044643 推奨文献
11. Gersh BJ, et al. 2011 ACCF/AHA guideline for the diagnosis and treatment of hypertrophic cardiomyopathy : executive summary : a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. Circulation 2011 ; 124 : 2761–96. PMID : 22068435 ガイドライン 推奨文献
12. Elliott PM, et al. 2014 ESC Guidelines on diagnosis and management of hypertrophic cardiomyopathy : the Task Force for the Diagnosis and Management of Hypertrophic Cardiomyopathy of the European Society of Cardiology (ESC). Eur Heart J 2014 ; 35 : 2733–79. PMID : 25173338 ガイドライン 推奨文献
13. Gilligan DM, et al. A double-blind, placebo-controlled crossover trial of nadolol and verapamil in mild and moderately symptomatic hypertrophic cardiomyopathy. J Am Coll Cardiol 1993 ; 21 : 1672–9. PMID : 8496536
14. Fananapazir L, et al. Prognostic determinants in hypertrophic cardiomyopathy. Prospective evaluation of a therapeutic strategy based on clinical, Holter, hemodynamic, and electrophysiological findings. Circulation 1992 ; 86 : 730–40. PMID : 1516184
15. Bonow RO, et al. Verapamil-induced improvement in left ventricular diastolic filling and increased exercise tolerance in patients with hypertrophic cardiomyopathy : short- and long-term effects. Circulation 1985 ; 72 : 853–64. PMID : 4040821
16. Kushwaha SS, et al. Restrictive cardiomyopathy. N Engl J Med 1997 ; 336 : 267–76. PMID : 8995091 推奨文献
17. Ammash NM, et al. Clinical profile and outcome of idiopathic restrictive cardiomyopathy. Circulation 2000 ; 101 : 2490–6. PMID : 10831523
18. 寺崎文生ほか. 2014–2015 年度活動 2016 年版 心臓サルコイドーシスの診療ガイドライン.<https://www.j-circ.or.jp/old/guideline/pdf/JCS2016_terasaki_h.pdf> (心臓サルコイドーシスの診断指針は 42 ページの表 10 を参照) ガイドライン
19. Uemura A, et al. Histologic diagnostic rate of cardiac sarcoidosis : evaluation of endomyocardial biopsies. Am Heart J 1999 ; 138 : 299–302. PMID : 10426842
20. Yazaki Y, et al. Prognostic determinants of long-term survival in Japanese patients with cardiac sarcoidosis treated with prednisone. Am J Cardiol 2001 ; 88 : 1006–10. PMID : 11703997
21. Nagai T, et al. Effect of Corticosteroid Therapy on Long-Term Clinical Outcome and Left Ventricular Function in Patients With Cardiac Sarcoidosis. Circ J 2015 ; 79 : 1593–600. PMID : 25877828
22. 加藤靖周ほか. サルコイドーシス心病変の診断と治療. 日サ会誌 2008 ; 28 : 15–24.
23. 北岡裕章ほか. 2019 年度活動 2020 年版 心アミロイドーシス診療ガイドライン.<https://www.j-circ.or.jp/old/guideline/pdf/JCS2020_Kitaoka.pdf> (診療アルゴリズムは 62 ページの図 32 を参照) ガイドライン
24. Gillmore JD, et al. Nonbiopsy Diagnosis of Cardiac Transthyretin Amyloidosis. Circulation 2016 ; 133 : 2404–12. PMID : 27143678
25. Castano A, et al. Multicenter Study of Planar Technetium 99m Pyrophosphate Cardiac Imaging : Predicting Survival for Patients With ATTR Cardiac Amyloidosis.

- JAMA Cardiol 2016;1:880-9. PMID:27557400
26. Castaño A, et al. Unveiling transthyretin cardiac amyloidosis and its predictors among elderly patients with severe aortic stenosis undergoing transcatheter aortic valve replacement. Comparative Study Eur Heart J 2017;38:2879-87. PMID:29019612
27. Maurer MS, et al. Tafamidis Treatment for Patients with Transthyretin Amyloid Cardiomyopathy. N Engl J Med 2018;379:1007-16. PMID:30145929

● 推奨文献

- Sliwa K, et al. Current state of knowledge on aetiology, diagnosis, management, and therapy of peripartum cardiomyopathy: a position statement from the Heart Failure Association of the European Society of Cardiology Working Group on peripartum cardiomyopathy. Eur J Heart Fail 2010;12:767-78. PMID:20675664 ガイドライン
- Oechslin E, et al. Left ventricular non-compaction revisited: a distinct phenotype with genetic heterogeneity? Eur Heart J 2011;32:1446-56. PMID:21285074
- 筒井裕之ほか. 日本循環器学会/日本心不全学会合同ガイドライン 心筋症診療ガイドライン(2018年改訂版).<http://www.j-circ.or.jp/guideline/pdf/JCS2018_tsutsui_kitaoka.pdf> ガイドライン

第5章 急性心筋炎

● 参照文献

1. 循環器病の診断と治療に関するガイドライン(2008年度合同研究班報告). 急性および慢性心筋炎の診断・治療に関するガイドライン(2009年改訂版).<http://www.j-circ.or.jp/guideline/pdf/JCS2009_izumi_h.pdf> ガイドライン 推奨文献
2. Magnani JW, et al. Myocarditis: current trends in diagnosis and treatment. Circulation 2006;113:876-90. PMID:16476862 推奨文献
3. Angelini A, et al. Myocarditis mimicking acute myocardial infarction: role of endomyocardial biopsy in the differential diagnosis. Heart 2000;84:245-50. PMID:10956283
4. Ball S, et al. Cardiovascular Toxicities of Immune Checkpoint Inhibitors: JACC Review Topic of the Week. J Am Coll Cardiol 2019;74:1714-27. PMID:31558256
5. Felker GM, et al. Echocardiographic findings in fulminant and acute myocarditis. J Am Coll Cardiol 2000;36:227-32. PMID:10898439
6. Morguet AJ, et al. Scintigraphic detection of inflammatory heart disease. Eur J Nucl Med 1994;21:666-74. PMID:7957355
7. Friedrich MG, et al. Cardiac magnetic resonance assessment of myocarditis. Circ Cardiovasc Imaging 2013;6:833-9. PMID:24046380
8. Cooper LT, et al. The role of endomyocardial biopsy in the management of cardiovascular disease: a scientific statement from the American Heart Association, the American College of Cardiology, and the European Society of Cardiology. Circulation 2007;116:2216-33. PMID:17959655 ガイドライン 推奨文献
9. Caforio AL, et al. Current state of knowledge on aetiology, diagnosis, management, and therapy of myocarditis: a position statement of the European Society of Cardiology Working Group on Myocardial and Pericardial Diseases. Eur Heart J 2013;34:

- 2636-48, 2648a-2648d. PMID : 23824828 ガイドライン 推奨文献
10. Adler Y, 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-Thoracic Surgery (EACTS). Eur Heart J 2015 ; 36 : 2921-64.
PMID : 26320112 ガイドライン
11. Jones SR, et al. Effects of immunosuppressive therapy in biopsy-proven myocarditis and borderline myocarditis on left ventricular function. Am J Cardiol 1991 ; 68 : 370-6.
PMID : 1858678
12. Robinson JL, et al. A systematic review of intravenous gamma globulin for therapy of acute myocarditis. BMC Cardiovasc Disord 2005 ; 5 : 12. PMID : 15932639
13. Cooper LT Jr, et al. Idiopathic giant-cell myocarditis—natural history and treatment. Multicenter Giant Cell Myocarditis Study Group Investigators. N Engl J Med 1997 ; 336 : 1860-6. PMID : 9197214
14. Kawano S, et al. Clinical features and outcomes of eosinophilic myocarditis patients treated with prednisolone at a single institution over a 27-year period. Intern Med 2011 ; 50 : 975-81. PMID : 21532219 推奨文献
15. Arima M, et al. Serum levels of eosinophil cationic protein in patients with eosinophilic myocarditis. Int J Cardiol 2002 ; 84 : 97-9. PMID : 12104073

第6章 徐脈性不整脈

○参考文献

1. Kusumoto FM, et al. 2018 ACC/AHA/HRS Guideline on the Evaluation and Management of Patients With Bradycardia and Cardiac Conduction Delay : Executive Summary : A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines, and the Heart Rhythm Society. J Am Coll Cardiol 2019 ; 74 : 932-87. PMID : 30412710 ガイドライン
2. 児玉逸雄ほか. 循環器病の診断と治療に関するガイドライン (2008年度合同研究班報告) 不整脈薬物治療に関するガイドライン (2009年改訂版). <https://www.j-circ.or.jp/old/guideline/pdf/JCS2009_kodama_h.pdf> ガイドライン
3. 栗田隆志ほか. 日本循環器学会/日本不整脈心電学会合同ガイドライン 不整脈非薬物治療ガイドライン (2018年改訂版). <www.j-circ.or.jp/guideline/pdf/JCS2018_kurita_nogami.pdf> ガイドライン
4. Banaszewski M, et al. Right heart perforation by pacemaker leads. Arch Med Sci 2012 ; 8 : 11-3. PMID : 22457667
5. 日本不整脈学会ホームページ. メドトロニック社製リードレススペースメーカー (Micro™) 植込みに関する重要なお知らせ (アンケート集計結果ならびに再注意喚起). <<http://new.jhrs.or.jp/blog/2019/06/05/wn20190605/>>
6. 筒井裕之ほか. 日本循環器学会/日本心不全学会合同ガイドライン 急性・慢性心不全診療ガイドライン (2017年改訂版). <http://www.j-circ.or.jp/guideline/pdf/JCS2017_tsutsui_h.pdf> ガイドライン
7. Sandoe JAT, et al. Guidelines for the diagnosis, prevention and management of implantable cardiac electronic device infection. Report of a joint Working Party project on behalf of the British Society for Antimicrobial Chemotherapy (BSAC, host organi-

zation), British Heart Rhythm Society (BHRS), British Cardiovascular Society (BCS), British Heart Valve Society (BHVS) and British Society for Echocardiography (BSE). *J Antimicrob Chemother* 2015; 70: 325–59.

PMID: 25355810 ガイドライン

8. Slotwiner D, et al. HRS Expert Consensus Statement on remote interrogation and monitoring for cardiovascular implantable electronic devices. *Heart Rhythm* 2015; 12: e69–100. PMID: 25981148
9. 奥村 謙ほか. 循環器病の診断と治療に関するガイドライン (2012年度合同研究班報告) ペースメーカー, ICD, CRT を受けた患者の社会復帰・就学・就労に関するガイドライン (2013年改訂版). <http://www.j-circ.or.jp/guideline/pdf/JCS2013_okumura_h.pdf>

ガイドライン

第7章 頻脈性不整脈

● 参照文献

1. Link MS, et al. Part 7: Adult Advanced Cardiovascular Life Support: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation* 2015; 132 (18 Suppl 2): S444–64. PMID: 26472995 ガイドライン
2. Page RL, et al. 2015 ACC/AHA/HRS Guideline for the Management of Adult Patients With Supraventricular Tachycardia: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Heart Rhythm Society. *J Am Coll Cardiol* 2016; 67: e27–115. PMID: 26409259 ガイドライン
3. Naccarelli GV, et al. Cost-effective management of acute atrial fibrillation: role of rate control, spontaneous conversion, medical and direct current cardioversion, transesophageal echocardiography, and antiembolic therapy. *Am J Cardiol* 2000; 85: 36–45D. PMID: 10822039
4. Airaksinen KEJ, et al. Thromboembolic complications after cardioversion of acute atrial fibrillation: the FinCV (Finnish CardioVersion) study. *J Am Coll Cardiol* 2013; 62: 1187–92. PMID: 23850908
5. Brugada P, et al. A new approach to the differential diagnosis of a regular tachycardia with a wide QRS complex. *Circulation* 1991; 83: 1649–59. PMID: 2022022
6. Priori SG, et al. 2015 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death: The Task Force for the Management of Patients with Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death of the European Society of Cardiology (ESC). Endorsed by: Association for European Paediatric and Congenital Cardiology (AEPC). *Eur Heart J* 2015; 36: 2793–867. PMID: 26320108 ガイドライン
7. Al-Khatib SM, et al. 2017 AHA/ACC/HRS Guideline for Management of Patients With Ventricular Arrhythmias and the Prevention of Sudden Cardiac Death: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Heart Rhythm Society. *Circulation* 2018; 138: e272–391. PMID: 29084731 ガイドライン

●推奨文献

- ・小野克重ほか. 日本循環器学会/日本不整脈心電学会合同ガイドライン 2020 年改訂版 不整脈薬物治療ガイドライン.<https://www.j-circ.or.jp/old/guideline/pdf/JCS2020_Ono.pdf> ガイドライン

第8章 心房細動 (AF)

●参考文献

1. Khoo CW, et al. Acute management of atrial fibrillation. Chest 2009; 135: 849-59. PMID : 19265095
2. Krijthe BP, et al. Serum potassium levels and the risk of atrial fibrillation: the Rotterdam Study. Int J Cardiol 2013; 168: 5411-5. PMID : 24012173
3. 小野克重ほか. 日本循環器学会/日本不整脈心電学会合同ガイドライン 2020 年改訂版 不整脈薬物治療ガイドライン.<https://www.j-circ.or.jp/old/guideline/pdf/JCS2020_Ono.pdf> ガイドライン
4. 2019 AHA/ACC/HRS Focused Update of the 2014 AHA/ACC/HRS Guideline for the January CT, et al. Management of Patients With Atrial Fibrillation: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Heart Rhythm Society. J Am Coll Cardiol 2019; 74: 104-32. PMID : 30703431 ガイドライン
5. Fatkin D, et al. Transesophageal echocardiography before and during direct current cardioversion of atrial fibrillation: evidence for "atrial stunning" as a mechanism of thromboembolic complications. J Am Coll Cardiol 1994; 23: 307-16. PMID : 8294679
6. Roy D, et al. Rhythm control versus rate control for atrial fibrillation and heart failure. N Engl J Med 2008; 358: 2667-77. PMID : 18565859
7. Van Gelder IC, et al. Lenient versus strict rate control in patients with atrial fibrillation. N Engl J Med 2010; 362: 1363-73. PMID : 20231232
8. 日本循環器学会/日本心不全学会. 急性・慢性心不全診療ガイドライン (2017 年改訂版).<https://www.j-circ.or.jp/old/guideline/pdf/JCS2017_tsutsui_h.pdf> ガイドライン
9. 青沼和隆ほか. 日本循環器学会/日本 TDM 学会合同ガイドライン (2013-2014 年度合
同研究班報告) 2015 年版 循環器薬の薬物血中濃度モニタリングに関するガイドライ
ン.<http://jstdm.umin.jp/guidelines/JCS2015_Original.pdf> ガイドライン
10. Hindricks G, et al. 2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association of Cardio-Thoracic Surgery (EACTS). Eur Heart J 2020; ehaa612. PMID : 32860505 ガイドライン
11. Ruff CT, et al. Comparison of the efficacy and safety of new oral anticoagulants with warfarin in patients with atrial fibrillation: a meta-analysis of randomised trials. Lancet 2014; 383: 955-62. PMID : 24315724
12. Garcia DA, et al. Reversal of warfarin: case-based practice recommendations. Circulation 2012; 125: 2944-7. PMID : 22689931 推奨文献
13. Steffel J, et al. The 2018 European Heart Rhythm Association Practical Guide on the use of non-vitamin K antagonist oral anticoagulants in patients with atrial fibrillation. Eur Heart J 2018; 39: 1330-93. PMID : 29562325 推奨文献
14. Doherty JU, et al. 2017 ACC Expert Consensus Decision Pathway for Periprocedural

- Management of Anticoagulation in Patients With Nonvalvular Atrial Fibrillation : A Report of the American College of Cardiology Clinical Expert Consensus Document Task Force. *J Am Coll Cardiol* 2017 ; 69 : 871–98. PMID : 28081965 推奨文献
15. 日本循環器学会. 左心耳閉鎖システムに関する適正使用指針.<http://www.j-circ.or.jp/WatchMan/wm_tekisei_shishin.pdf>
16. 日本循環器学会/日本不整脈心電学会. 不整脈非薬物治療ガイドライン（2018年改訂版）.<https://www.j-circ.or.jp/old/guideline/pdf/JCS2018_kurita_nogami.pdf> ガイドライン
17. Marrouche NF, et al. Catheter Ablation for Atrial Fibrillation with Heart Failure. *N Engl J Med* 2018 ; 378 : 417–27. PMID : 29385358 推奨文献
18. Mark DB, et al. Effect of Catheter Ablation vs Medical Therapy on Quality of Life Among Patients With Atrial Fibrillation : The CABANA Randomized Clinical Trial. *JAMA* 2019 ; 321 : 1275–85. PMID : 30874716 推奨文献
19. Packer DL, et al. Effect of Catheter Ablation vs Antiarrhythmic Drug Therapy on Mortality, Stroke, Bleeding, and Cardiac Arrest Among Patients With Atrial Fibrillation : The CABANA Randomized Clinical Trial. *JAMA* 2019 ; 321 : 1261–74. PMID : 30874766 推奨文献
20. Calkins H, et al. 2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. *Heart Rhythm* 2017 ; 14 : e275–444. PMID : 28506916 ガイドライン
21. Chung MK, et al. Lifestyle and Risk Factor Modification for Reduction of Atrial Fibrillation : A Scientific Statement From the American Heart Association. *Circulation* 2020 ; 141 : e750–72. PMID : 32148086 推奨文献
22. Lau DH, et al. Modifiable Risk Factors and Atrial Fibrillation. *Circulation* 2017 ; 136 : 583–96. PMID : 28784826

第9章 急性心外膜炎

○ 参照文献

- LeWinter MM. Clinical practice. Acute pericarditis. *N Engl J Med* 2014 ; 371 : 2410–6. PMID : 25517707 推奨文献
- Imazio M, et al. Day-hospital treatment of acute pericarditis : a management program for outpatient therapy. *J Am Coll Cardiol* 2004 ; 43 : 1042–6. PMID : 15028364 推奨文献
- Lange RA, et al. Clinical practice. Acute pericarditis. *N Engl J Med* 2004 ; 351 : 2195–202. PMID : 15548780 推奨文献
- Adler Y, 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-Thoracic Surgery (EACTS). *Eur Heart J* 2015 ; 36 : 2921–64. PMID : 26320112 ガイドライン
- Ginzton LE, et al. The differential diagnosis of acute pericarditis from the normal variant : new electrocardiographic criteria. *Circulation* 1982 ; 65 : 1004–9. PMID : 7074735 推奨文献
- Klein AL, et al. American Society of Echocardiography Clinical Recommendations

for Multimodality Cardiovascular Imaging of Patients With Pericardial Disease : Endorsed by the Society for Cardiovascular Magnetic Resonance and Society of Cardiovascular Computed Tomography. *J Am Soc Echocardiogr* 2013 ; 26 : 965–1012.e15.
PMID : 23998693

● 推奨文献

- Lange RA, et al. Clinical practice. Acute pericarditis. *N Engl J Med* 2004 ; 351 : 2195–202.
PMID : 15548780

第10章 心嚢水貯留・心タンポナーデ・収縮性心外膜炎(CP)

● 参照文献

1. Permanyer-Miralda G. Acute pericardial disease : approach to the aetiologic diagnosis. *Heart* 2004 ; 90 : 252–4.
PMID : 14966036 推奨文献
2. Vistarini N, et al. Pericardectomy for Constrictive Pericarditis : 20 Years of Experience at the Montreal Heart Institute. *Ann Thorac Surg* 2015 ; 100 : 107–13.
PMID : 25979240
3. Roy CL, et al. Does this patient with a pericardial effusion have cardiac tamponade? *JAMA* 2007 ; 297 : 1810–8.
PMID : 17456823 推奨文献
4. Curtiss EI, et al. Pulsus paradoxus : definition and relation to the severity of cardiac tamponade. *Am Heart J* 1988 ; 115 : 391–8.
PMID : 3341174 推奨文献
5. Spodick DH. Acute cardiac tamponade. *N Engl J Med* 2003 ; 349 : 684–90.
PMID : 12917306 推奨文献
6. Cheitlin MD, et al. ACC/AHA/ASE 2003 guideline update for the clinical application of echocardiography : summary article : a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (ACC/AHA/ASE Committee to Update the 1997 Guidelines for the Clinical Application of Echocardiography). *Circulation* 2003 ; 108 : 1146–62.
PMID : 12952829 ガイドライン
7. Sagristà-Sauleda J, et al. Clinical clues to the causes of large pericardial effusions. *Am J Med* 2000 ; 109 : 95–101.
PMID : 10967149
8. Maisch B, et al. Neoplastic pericardial effusion. Efficacy and safety of intrapericardial treatment with cisplatin. *Eur Heart J* 2002 ; 23 : 1625–31.
PMID : 12323163
9. Moriya T, et al. Controlling malignant pericardial effusion by intrapericardial carboplatin administration in patients with primary non-small-cell lung cancer. *Br J Cancer* 2000 ; 83 : 858–62.
PMID : 10970685
10. Maisch B, et al. Guidelines on the diagnosis and management of pericardial diseases executive summary : The Task force on the diagnosis and management of pericardial diseases of the European society of cardiology. *Eur Heart J* 2004 ; 25 : 587–610.
PMID : 15120056 ガイドライン
11. Ben-Horin S, et al. Diagnostic value of the biochemical composition of pericardial effusions in patients undergoing pericardiocentesis. *Am J Cardiol* 2007 ; 99 : 1294.
PMID : 17478160
12. Vistarini N, et al. Pericardectomy for Constrictive Pericarditis : 20 Years of Experience at the Montreal Heart Institute. *Ann Thorac Surg* 2015 ; 100 : 107–13.
PMID : 25979240

13. Avgerinos D, et al. Fifteen-year Experience and Outcomes of Pericardectomy for Constrictive Pericarditis. *J Card Surg* 2014; 29: 434-8. PMID: 24750218

第11章 弁膜症

○参考文献

1. Otto CM. Calcific aortic valve disease : outflow obstruction is the end stage of a systemic disease process. *Eur Heart J* 2009; 30: 1940-2. PMID: 19608595 推奨文献
2. 泉 知里ほか. 日本循環器学会/日本胸部外科学会/日本血管外科学会/日本心臓血管外科学会合同ガイドライン 2020年改訂版 弁膜症治療のガイドライン.<https://www.j-circ.or.jp/old/guideline/pdf/JCS2020_Izumi_Eishi.pdf> ガイドライン
3. Nishimura RA, et al. 2017 AHA/ACC Focused Update of the 2014 AHA/ACC Guideline for the Management of Patients With Valvular Heart Disease : A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. *Circulation* 2017; 135: e1159-95. PMID: 28298458 ガイドライン
4. Monin JL, et al. Low-gradient aortic stenosis : operative risk stratification and predictors for long-term outcome : a multicenter study using dobutamine stress hemodynamics. *Circulation* 2003; 108: 319-24. PMID: 12835219
5. Evangelista A, et al. Long-term vasodilator therapy in patients with severe aortic regurgitation. *N Engl J Med* 2005; 353: 1342-9. PMID: 16192479
6. Mack MJ, et al. Transcatheter Aortic-Valve Replacement with a Balloon-Expandable Valve in Low-Risk Patients. *N Engl J Med* 2019; 380: 1695-705. PMID: 30883058
7. Popma JJ, et al. Transcatheter Aortic-Valve Replacement with a Self-Expanding Valve in Low-Risk Patients. *N Engl J Med* 2019; 380: 1706-15. PMID: 30883053
8. Enriquez-Sarano M, et al. Clinical practice. Aortic regurgitation. *N Engl J Med* 2004; 351: 1539-46. PMID: 15470217 推奨文献
9. Vahanian A, et al. Guidelines on the management of valvular heart disease (version 2012). *Eur Heart J* 2012; 33: 2451-96. PMID: 22922415 ガイドライン
10. Enriquez-Sarano M, et al. Mitral regurgitation. *Lancet* 2009; 373: 1382-94. PMID: 19356795 推奨文献
11. Grigioni F, et al. Ischemic mitral regurgitation : long-term outcome and prognostic implications with quantitative Doppler assessment. *Circulation* 2001; 103: 1759-64. PMID: 11282907 推奨文献
12. Chandrashekhar Y, et al. Mitral stenosis. *Lancet* 2009; 374: 1271-83. PMID: 19747723 推奨文献
13. Sud K, et al. Degenerative Mitral Stenosis : Unmet Need for Percutaneous Interventions. *Circulation* 2016; 133: 1594-604. PMID: 27142604 推奨文献
14. Whitlock RP, et al. Antithrombotic and thrombolytic therapy for valvular disease : Antithrombotic Therapy and Prevention of Thrombosis, 9th ed : American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. *Chest* 2012; 141 (2 Suppl) : e576S-600S. PMID: 22315272 ガイドライン
15. Massel DR, et al. Antiplatelet and anticoagulation for patients with prosthetic heart valves. *Cochrane Database Syst Rev* 2013; 2013 (7) : CD003464. PMID: 23839768

第12章 大動脈瘤

○ 参照文献

1. Hiratzka LF, et al. 2010 ACCF/AHA/AATS/ACR/ASA/SCA/SCAI/SIR/STS/SVM Guidelines for the diagnosis and management of patients with thoracic aortic disease. A Report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines, American Association for Thoracic Surgery, American College of Radiology, American Stroke Association, Society of Cardiovascular Anesthesiologists, Society for Cardiovascular Angiography and Interventions, Society of Interventional Radiology, Society of Thoracic Surgeons, and Society for Vascular Medicine. *J Am Coll Cardiol* 2010; 55: e27-e129.
PMID : 20359588 ガイドライン
2. Chaikof EL, et al. The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm. *J Vasc Surg* 2018; 67: 2-77.e2.
PMID : 29268916 ガイドライン
3. Schermerhorn ML, et al. Long-Term Outcomes of Abdominal Aortic Aneurysm in the Medicare Population. *N Engl J Med* 2015; 373: 328-38. PMID : 26200979
4. Wanhainen A, et al. Editor's Choice—European Society for Vascular Surgery (ESVS) 2019 Clinical Practice Guidelines on the Management of Abdominal Aorto-iliac Artery Aneurysms. *Eur J Vasc Endovasc Surg* 2019; 57: 8-93.
PMID : 30528142 ガイドライン
5. Isselbacher EM. Thoracic and abdominal aortic aneurysms. *Circulation* 2005; 111: 816-28. PMID : 15710776 推奨文献
6. Lederle FA, et al. Relationship of age, gender, race, and body size to infrarenal aortic diameter. The Aneurysm Detection and Management (ADAM) Veterans Affairs Cooperative Study Investigators. *J Vasc Surg* 1997; 26: 595-601. PMID : 9357459
7. Patel R, et al. Endovascular versus open repair of abdominal aortic aneurysm in 15-years' follow-up of the UK endovascular aneurysm repair trial 1 (EVAR trial 1): a randomised controlled trial. *Lancet* 2016; 388: 2366-74. PMID : 27743617
8. 日本循環器学会ほか. 2020年改訂版 大動脈瘤・大動脈解離診療ガイドライン.
<https://www.j-circ.or.jp/cms/wp-content/uploads/2020/07/JCS2020_Ogino.pdf>
ガイドライン

○ 推奨文献

- Anderson JL, et al. Management of patients with peripheral artery disease (compilation of 2005 and 2011 ACCF/AHA guideline recommendations): a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Circulation* 2013; 127: 1425-43. PMID : 23457117 ガイドライン
- Erbel R, et al. 2014 ESC Guidelines on the diagnosis and treatment of aortic diseases: Document covering acute and chronic aortic diseases of the thoracic and abdominal aorta of the adult. The Task Force for the Diagnosis and Treatment of Aortic Diseases of the European Society of Cardiology (ESC). *Eur Heart J* 2014; 35: 2873-926.
PMID : 25173340 ガイドライン
- Schermerhorn M. A 66-year-old man with an abdominal aortic aneurysm: review of screening and treatment. *JAMA* 2009; 302: 2015-22. PMID : 19809012 推奨文献

第13章 急性大動脈解離

○参照文献

1. Erbel R, et al. 2014 ESC Guidelines on the diagnosis and treatment of aortic diseases : Document covering acute and chronic aortic diseases of the thoracic and abdominal aorta of the adult. The Task Force for the Diagnosis and Treatment of Aortic Diseases of the European Society of Cardiology (ESC). Eur Heart J 2014;35:2873-926. PMID: 25173340 ガイドライン
2. Hiratzka LF, et al. ACCF/AHA/AATS/ACR/ASA/SCA/SCAI/SIR/STS/SVM guidelines for the diagnosis and management of patients with thoracic aortic disease : executive summary. Circulation 2010;121:1544-79. ガイドライン
3. 日本循環器学会ほか. 2020年改訂版 大動脈瘤・大動脈解離診療ガイドライン.
<https://www.j-circ.or.jp/cms/wp-content/uploads/2020/07/JCS2020_Ogino.pdf> ガイドライン
4. Lee CC, et al. Oral Fluoroquinolone and the Risk of Aortic Dissection. J Am Coll Cardiol 2018;72:1369-78. PMID: 30213330
5. von Kodolitsch Y, et al. Clinical prediction of acute aortic dissection. Arch Intern Med 2000;160:2977-82. PMID: 11041906
6. Sacks D, et al. Multisociety Consensus Quality Improvement Revised Consensus Statement for Endovascular Therapy of Acute Ischemic Stroke. Int J Stroke 2018;13:612-32. PMID: 29786478
7. Klompaas M, et al. Does this patient have an acute thoracic aortic dissection? JAMA 2002;287:2262-72. PMID: 11980527 推奨文献
8. von Kodolitsch Y, et al. Chest radiography for the diagnosis of acute aortic syndrome. Am J Med 2004;116:73-7. PMID: 14715319 推奨文献
9. Shiga T, et al. Diagnostic accuracy of transesophageal echocardiography, helical computed tomography, and magnetic resonance imaging for suspected thoracic aortic dissection : systematic review and meta-analysis. Arch Intern Med 2006;166:1350-6. PMID: 16831999 推奨文献
10. Tsai TT, et al. Acute aortic syndromes. Circulation 2005;112:3802-13. PMID: 16344407 推奨文献
11. Moulakakis KG, et al. Management of complicated and uncomplicated acute type B dissection. A systematic review and meta-analysis. Ann Cardiothorac Surg 2014;3:234-46. PMID: 24967162

第14章 末梢動脈疾患 (PAD)

○参照文献

1. Norgren L, et al. Inter-Society Consensus for the Management of Peripheral Arterial Disease (TASC II). J Vasc Surg 2007;45 Suppl S:S5-67. PMID: 17223489
2. Aboyans V, et al. 2017 ESC Guidelines on the Diagnosis and Treatment of Peripheral Arterial Diseases, in collaboration with the European Society for Vascular Surgery (ESVS) : Document covering atherosclerotic disease of extracranial carotid and vertebral, mesenteric, renal, upper and lower extremity arteries Endorsed by : the European Stroke Organization (ESO) The Task Force for the Diagnosis and Treat-

- ment of Peripheral Arterial Diseases of the European Society of Cardiology (ESC) and of the European Society for Vascular Surgery (ESVS). Eur Heart J 2018;39:763-816. PMID : 28886620 ガイドライン
3. Mills JL, et al. The Society for Vascular Surgery Lower Extremity Threatened Limb Classification System : risk stratification based on wound, ischemia, and foot infection (WIFI). J Vasc Surg 2014;59:220-34.e1-2. PMID : 24126108
4. 宮田哲郎ほか. 2014 年度合同研究班報告 末梢閉塞性動脈疾患の治療ガイドライン (2015 年改訂版).<https://www.j-circ.or.jp/old/guideline/pdf/JCS2015 Miyata_h.pdf> ガイドライン
5. CAPRIE Steering Committee. A randomised, blinded, trial of clopidogrel versus aspirin in patients at risk of ischaemic events (CAPRIE). CAPRIE Steering Committee. Lancet 1996;348:1329-39. PMID : 8918275
6. Dawson DL, et al. Cilostazol has beneficial effects in treatment of intermittent claudication : results from a multicenter, randomized, prospective, double-blind trial. Circulation 1998;98:678-86. PMID : 9715861
7. Mohler ER, et al. Cholesterol reduction with atorvastatin improves walking distance in patients with peripheral arterial disease. Circulation 2003;108:1481-6. PMID : 12952839
8. Harris SK, et al. Statin use in patients with peripheral arterial disease. J Vasc Surg 2016;64:1881-8. PMID : 27871503

第15章 静脈血栓塞栓症 (VTE)

●参考文献

1. 伊藤正明ほか. 2016-2017 年度活動 肺血栓塞栓症および深部静脈血栓症の診断、治療、予防に関するガイドライン (2017 年改訂版).<http://www.j-circ.or.jp/guideline/pdf/JCS2017_ito_h.pdf> ガイドライン
2. Konstantinides SV, et al. 2019 ESC Guidelines for the diagnosis and management of acute pulmonary embolism developed in collaboration with the European Respiratory Society (ERS) : The Task Force for the diagnosis and management of acute pulmonary embolism of the European Society of Cardiology (ESC). Eur Respir J 2019;54:1901647. PMID : 31473594 ガイドライン
3. Kearon C, et al. Antithrombotic therapy for VTE disease : Antithrombotic Therapy and Prevention of Thrombosis, 9th ed : American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. CHEST 2012;141(2 Suppl) : e419S-94S. PMID : 22315268 ガイドライン
4. Jaff MR, et al. Management of massive and submassive pulmonary embolism, iliofemoral deep vein thrombosis, and chronic thromboembolic pulmonary hypertension : a scientific statement from the American Heart Association. Circulation 2011;123:1788-830. PMID : 21422387 ガイドライン
5. Bates SM, et al. Clinical practice. Treatment of deep-vein thrombosis. N Engl J Med 2004;351:268-77. PMID : 15254285 推奨文献
6. Roy PM, et al. Systematic review and meta-analysis of strategies for the diagnosis of suspected pulmonary embolism. BMJ 2005;331:259. PMID : 16052017 推奨文献
7. McConnell MV, et al. Regional right ventricular dysfunction detected by echocar-

- diography in acute pulmonary embolism. Am J Card 1996; 78: 469-73.
PMID : 8752195
8. Goldhaber SZ. Echocardiography in the management of pulmonary embolism. Ann Intern Med 2002; 136: 691-700.
PMID : 11992305
9. Stein PD, et al. Multidetector computed tomography for acute pulmonary embolism. N Engl J Med 2006; 354: 2317-27.
PMID : 16738268
10. Girard P, et al. Inferior vena cava interruption: how and when? Annu Rev Med 2000; 51: 1-15.
PMID : 10774449
11. Optimum duration of anticoagulation for deep-vein thrombosis and pulmonary embolism. Research Committee of the British Thoracic Society. Lancet 1992; 340: 873-6.
PMID : 1357297
12. Kearon C, et al. Antithrombotic Therapy for VTE Disease: CHEST Guideline and Expert Panel Report. Chest 2016; 149: 315-52.
PMID : 26867832 ガイドライン
13. NICE guideline. Venous thromboembolism: reducing the risk for patients in hospital. <<https://www.nice.org.uk/guidance/cg92/chapter/introduction>>
ガイドライン

● 推奨文献

- Fedullo PF, et al. Clinical practice. The evaluation of suspected pulmonary embolism. N Engl J Med 2003; 349: 1247-56.
PMID : 14507950

第16章 肺高血圧（PH）

● 参照文献

1. Morrison DA, et al. Relief of right ventricular angina and increased exercise capacity with long-term oxygen therapy. Chest 1991; 100: 534-9.
PMID : 1830839
2. Simonneau G, et al. Updated clinical classification of pulmonary hypertension. J Am Coll Cardiol 2013; 62 (25 Suppl) : D34-41.
PMID : 24355639 ガイドライン
3. Han MK, et al. Pulmonary diseases and the heart. Circulation 2007; 116: 2992-3005.
PMID : 18086941 推奨文献
4. Galiè N, et al. 2015 ESC/ERS Guidelines for the diagnosis and treatment of pulmonary hypertension: The Joint Task Force for the Diagnosis and Treatment of Pulmonary Hypertension of the European Society of Cardiology (ESC) and the European Respiratory Society (ERS): Endorsed by: Association for European Paediatric and Congenital Cardiology (AEPC), International Society for Heart and Lung Transplantation (ISHLT). Eur Respir J 2015; 46: 903-75.
PMID : 26318161 ガイドライン
5. Bossone E, et al. Pulmonary arterial hypertension: the key role of echocardiography. Chest 2005; 127: 1836-43.
PMID : 15888866
6. Fijalkowska A, et al. Serum N-terminal brain natriuretic peptide as a prognostic parameter in patients with pulmonary hypertension. Chest 2006; 129: 1313-21.
PMID : 16685024
7. Tunariu N, et al. Ventilation-perfusion scintigraphy is more sensitive than multidetector CTPA in detecting chronic thromboembolic pulmonary disease as a treatable cause of pulmonary hypertension. J Nucl Med 2007; 48: 680-4.
PMID : 17475953
8. Badesch DB, et al. Diagnosis and assessment of pulmonary arterial hypertension. J Am Coll Cardiol 2009; 54 (1 Suppl) : S55-66.
PMID : 19555859 ガイドライン

9. Grünig E, et al. Safety and efficacy of exercise training in various forms of pulmonary hypertension. *Eur Respir J* 2012; 40: 84–92. PMID: 22323570
10. Taichman DB, et al. Pharmacologic therapy for pulmonary arterial hypertension in adults: CHEST guideline and expert panel report. *Chest* 2014; 146: 449–75.
PMID: 24937180 ガイドライン
11. Ogawa A, et al. Survival of Japanese Patients With Idiopathic/Heritable Pulmonary Arterial Hypertension. *Am J Cardiol* 2017; 119: 1479–84. PMID: 28267959

● 推奨文献

- Johnson SR, et al. Thrombotic arteriopathy and anticoagulation in pulmonary hypertension. *Chest* 2006; 130: 545–52.
PMID: 16899857