

9 Periinterventionelle Ultraschalldiagnostik

- [1] Bartel T, Müller S, Caspari G et al. Intracardiac and intraluminal echocardiography: indications and standard approaches. *Ultrasound Med Biol* 8(8):997–1003, 2002
- [2] Caspari GH, Müller S, Bartel T et al. Full performance of modern echocardiography within the heart: in-vivo feasibility study with a new intracardiac, phased-array ultrasound-tipped catheter. *Eur J Echocardiography* 2:100–107, 2001
- [3] Neskovic AN, Skinner H, Price S et al. Focus cardiac ultrasound core curriculum and core syllabus of the European Association of Cardiovascular Imaging. *Eur Heart J Cardiovasc Imaging* 19:475–481, 2018
- [4] Nielsen MB, Cantisani V, Sidhu PS et al. The use of hand held ultrasound devices: an EFSUMB Position Paper. *Ultraschall Med* 40:30–39, 2019
- [5] Cardim N, Dalen H, Voigt JU et al. The use of handheld ultrasound devices: a position statement of the European Association of Cardiovascular Imaging (2018 update). *Eur Heart J Cardiovasc Imaging* 20:245–252, 2019
- [6] Haji K, Wong C, Neil C et al. Handheld ultrasound to reduce requests for inappropriate echocardiogram (HURRIE). *Echo Res Pract* 6:91–96, 2019
- [7] Savino K, Ambrosio G. Handheld ultrasound and focused cardiovascular echocardiography: use and information. *Medicina (Kaunas)* 55:423, 2019
- [8] Evangelista A, Galuppo V, Méndez J et al. Hand-held cardiac ultrasound screening performed by family doctors with remote expert support interpretation. *Heart* 102:376–382, 2016
- [9] Vitulano N, Pazzano V, Pelargonio G et al. Technology update: intracardiac echocardiography: a review of the literature. *Med Devices (Auckl)* 8:231–239, 2015
- [10] Enriquez A, Saenz LC, Rosso R et al. Use of intracardiac echocardiography in interventional cardiology: working with the anatomy rather than fighting it. *Circulation* 137:2278–2294, 2018
- [11] Ribeiro J, Braga P, Gama V. New catheter, wide angle imaging, 3D intracardiac echocardiography. *Rev Esp Cardiol* 71:293, 2018
- [12] Glassman E, Kronzon I. Transvenous intracardiac echocardiography. *Am J Cardiol* 47:1255–1259, 1981
- [13] Hijazi Z, Wang Z, Cao Q et al. Transcatheter closure of atrial septal defects and patent foramen ovale under intracardiac echocardiographic guidance: feasibility and comparison with transesophageal echocardiography. *Catheter Cardiovasc Interv* 52:194–199, 2001
- [14] Bartel T, Konorza T, Arjumand J et al. Intracardiac echocardiography is superior to conventional monitoring for guiding device closure of interatrial communications. *Circulation* 107:795–797, 2003
- [15] Mullen MJ, Dias BF, Walker F et al. Intracardiac echocardiography guided device closure of atrial septal defects. *J Am Coll Cardiol* 41:285–292, 2003
- [16] Boccalandro F, Baptista E, Muench A et al. Comparison of intracardiac echocardiography versus transesophageal echocardiography guidance for percutaneous transcatheter closure of atrial septal defect. *Am J Cardiol* 93:437–440, 2004
- [17] Koenig P, Cao QL. Echocardiographic guidance of transcatheter closure of atrial septal defect: is intracardiac echocardiography better than transesophageal echocardiography? *Pediatr Cardiol* 6:135–139, 2005
- [18] Themistoclakis S, Rossillo A, Bonso A et al. Intracardiac echocardiography for implantation of LAA occlusion devices: a further step toward the ICE era? *Heart Rhythm* 4:572–574, 2007
- [19] Holmes DR, Reddy VY, Turi ZG et al. Percutaneous closure of the left atrial appendage versus warfarin therapy for preven-

- tion of stroke in patients with atrial fibrillation: a randomised non-inferiority trial. *Lancet* 74:534–542, 2009
- [20] Ge J, Erbel R, Gorge G et al. Intravascular ultrasound imaging of arterial wall architecture. *Echocardiography* 5:475–483, 1992
- [21] Gorge G, Erbel R, Gerber T et al. Intravascular ultrasound in patients with suspected aortic dissection: comparison with transesophageal echocardiography. *Z Kardiol* 1:37–43, 1992
- [22] Weintraub AR, Erbel R, Gorge G et al. Intravascular ultrasound imaging in acute aortic dissection. *J Am Coll Cardiol* 24:495–503, 1994
- [23] Alfonso F, Goicolea J, Aragoncillo P et al. Diagnosis of aortic intramural hematoma by intravascular ultrasound imaging. *Am J Cardiol* 76:735–738, 1995
- [24] Yamada E, Matsumura M, Kyo S et al. Usefulness of a prototype intravascular ultrasound imaging in evaluation of aortic dissection and comparison with angiographic study, transesophageal echocardiography, computed tomography, and magnetic resonance imaging. *Am J Cardiol* 5(2):161–165, 1995
- [25] Svensson LG, Labib SB, Eisenhauser AC et al. Intimal tear without haematoma. *Circulation* 99:331–336, 1999
- [26] Erbel R, Aboyans V, Boileau C 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* 35:2873–2926, 2014
- [27] Gorge G, Erbel R. Intravasaler Ultraschall zur Steuerung der perkutanen Fenestration einer Aortendissektionsmembran. *Dtsch Med Wschr* 121:1598–1602, 1996
- [28] Bartel T, Eggebrecht H, Ebradlidze T et al. Optimal guidance for intimal flap fenestration in aortic dissection by transvenous two-dimensional and Doppler ultrasonography. *Circulation* 107:e17–18, 2003
- [29] Gorge G, Ge J, Haude M et al. Initial experience with a steerable intravascular ultrasound catheter in the aorta and pulmonary artery. *Am J Card Imaging* 9:180–184, 1995
- [30] Gorge G, Schuster S, Ge J et al. Intravascular ultrasound in patients with acute pulmonary embolism after treatment with intravenous urokinase and high-dose heparin. *Heart* 77:73–77, 1997
- [31] Gorge G, Erbel R, Schuster S et al. Intravascular ultrasound in diagnosis of acute pulmonary embolism. *Lancet* 337:623–624, 1991
- [32] Kälsch H, Sack S, Erbel R et al. Acute massive pulmonary embolism detected with angiography and intravascular ultrasound treated by pulmonary embolectomy. The hybrid concept. *Herz* 31:366–367, 2006
- [33] Jánosi RA, Kahlert P, Plicht B et al. Guidance of percutaneous transcatheter aortic valve implantation by real-time three-dimensional transesophageal echocardiography: a single-center experience. *Minim Invasive Ther Allied Technol* 18:142–148, 2009
- [34] Kahlert P, Plicht B, Jánosi RA et al. The role of imaging in percutaneous mitral valve repair. *Herz* 4:458–467, 2009