

REFERENCES

Basta, L.L.; Raines, D.; Najjar, S.; Kioschos, J. M. :

Clinical, hemodynamic, and coronary angiographic correlates of angina pectoris in patients with severe aortic valve disease.
Br. Heart J., 7: 150, 1975.

Bell, D.H.; Pugh, D. and Dunn, M.A. :

Electrocardiographic evaluation of left ventricular hypertrophy.
Br. Heart J. 30: 70, 1968

Borow, K.M. and Wynne, J. :

Chest roentgenogram and cardiac fluoroscopy : Diagnostic methods in clinical cardiology. First edition, Edited by: Bohn P.F. and Wynne, J. Little, Brown and Company, Boston, P. 121, 1982.

Braunwald, E. :

Valvular heart disease, aortic stenosis. A textbook of cardiovascular medicine. Second edition, Editor: Braunwald, E., W.B. Saunders Company, P. 109, 1984.

Brenner, J.I.; Baker, K.R. and Berman, M.A. :

Prediction of left ventricular pressure in infants with aortic stenosis.
Br. Heart, J. 44: 406, 1980.

Chin, S.; Clements, S. and Change, H. :

Aortic stenosis: Echocardiographic cusps separation and surgical description of aortic valve in 22 patients.
Am. J. Cardiol., 39: 499, 1977.

Dodge, H.T.; Kennedy, J.W. and Peterson, J.L. :

Quantitative angiographic methods in the evaluation of valvular heart disease.
Prog. Cardiovasc. Dis. 16: 1, 1973.

Edwards, J.E. :

The etiology of calcific aortic stenosis.
Circulation, 26: 817, 1962.

Elenkova, A.; Dimitrov, S.; Draganov, T. and Ma veeu, M.:

The value of the electrocardiographic indices of left ventricular hypertrophy for the approximation of the valvular systolic gradient in patients with aortic stenosis.
Vutr. Boles; 29 (2): 50, 1990.

Feigenbaum, H. :

Acquired valvular heart disease. Aortic stenosis.
Echocardiography, 4th edition.
Lea and Febiger, Philadelphia, P. 279, 1985.

Feigenbaum, H. :

Congenital heart disease. Aortic stenosis.
Echocardiography, 4th edition.
Lea and Febiger, Philadelphia, P. 383, 1986.

Frank, S.; Johnson, A. and Ross, J. :

Natural history of valvular aortic stenosis.
Br. Heart, J. 35: 412, 1973.

Franch, R.H.; King, S.B. and Douglas, J.S. :

Techniques of cardiac catheterization including coronary arteriography.
Quoted from "The heart", Hurst, JW, M., Graw-Hill Book Company, 1986.

Freedom, R.M.; Dische, M.R. and Rowe, R.D. :

Pathologic anatomy of subaortic stenosis and atresia in the first year of life.
Am. J. Cardiol., 39: 1035, 1977.

Freed, M.D. and Keane, J.F.

Profiles in congenital heart disease.
Quoted from "Cardiac catheterization and angiography"
Grossman W, Lea and Febiger, Philadelphia, 1980.

Friedman, W.F. :

Congenital heart disease in Infancy and childhood.
In Braunwald E. (ed) : Heart Disease, A textbook of
Cardiovascular Medicine, 2nd ed. Philadelphia, W.B.
Saunders Company, 1984.

Friedman, W.F. and Benson, L.N. :

Aortic stenosis. Moss' heart disease in infants,
children and adolescents. 3rd edition, Edited by:
Adams F.H. and Emmanouilides G.C., Williams and
Wilkins Company, Baltimore, London, P. 17, 1983.

Glancy, D.L.:

Differential diagnosis of types and severity of
obstruction to left ventricular outflow. Prog
Cardiovas, Dis., 14: 153, 1971.

Gooch, A.S.; Calatyud, J.B. and Rogers, P.A. :

Analysis of the P-wave in severe aortic stenosis. *Dis. Chest*, 49: 459, 1976.

Grossman, W :

Cardiac catheterization and angiography, 2nd ed., Lea
& Febiger, Philadelphia 1980.

Grossman, W. :

Complications of catheterization: incidence, causes
and prevention. In: Grossman, W. (ed), Cardiac
catheterization and angiography, 3rd ed.,
Philadelphia, Lea and Febiger, PP. 30-4, 1986.

Gunter, S and Grossman, W:

Determinants of ventricular function in pressure
overload hypertrophy in man. *Circulation* 59: 679,
1979.

Hancock, E.W. :

The ejection sound in aortic stenosis.
Am. J. Med., 40: 569, 1966.

Hatle, L.:

Noninvasive assessment and differentiation of left ventricular outflow obstruction by Doppler ultrasound.
Circulation, 64: 381, 1982.

Hatle, L. and Angelsen, B.:

Pulsed and continuous wave Doppler in diagnosis and assessment of various heart lesions. Doppler ultrasound in cardiology-physical principles and clinical applications. Second edition.
Lea and Febiger, Philadelphia, P. 97, 1985.

Hatle, L.; Angelsen, B.A. and Tromsdal, A.

Noninvasive assessment of aortic stenosis by Doppler ultrasound.
Br. Heart J., 43, 28. 1980.

Hegrenaes, L.:

Noninvasive assessment of aortic stenosis by Doppler ultrasound. In: Proceedings of the third Meeting of the Working Groups of the European Society of Cardiology, 1983 (Abstract).

Hegrenaes, L. and Hatle, L.:

Aortic stenosis in adults. Noninvasive estimation of pressure differences by continuous wave Doppler echocardiography.
Br. Heart J. 54: 396, 1986.

Hood, W.P.; Rackley, C.E. and Rollett, E.L.:

Wall stress in the normal and hypertrophied human left ventricle.
Am. J. Cardiol., 22: 550-8, 1968.

Hugenholtz, P.G.; Burrer, D.S. and Janse, I.J.:

Electrocardiographic criteria as related to hemodynamic state.
Hoffman, I (ed.): electrocardiography: demonstration
North Holland Publishing Company, 1976.

Kelly, T.A.; Rothbart, R.M.; Cooper, C.M.; Kaoiser, D.L.;
Smucker, M.L. and Gibson, R.S. :

Comparison of outcome of asymptomatic to symptomatic
patients older than 20 years of age with valvular
aortic stenosis.
Am. J. Cardiol., 61: 123-130, 1988.

Kennedy, J.W.; Twiss, R.D.; Blackman, J.R. and Dodge, H.T.:

Quantitative angiocardigraphy III relationships of
left ventricular pressure, volume and mass in aortic
valve disease.
Circulation, 38: 838, 1968.

Kishore, A.G.; Gupta, S.K.; Gupta, S.R.; Murthy, J.B.;
Lalitha, A. and Reddy, K.N. :

Correlation of the 12-lead E.C.G-QRS score with
severity of aortic stenosis
Indian. Heart. J., 42 (1): 62, 1990.

Marcus, M.L.; Doty, D.B.; Hiratzka, L.F.; Wright, C. B. and
Eastham, B. :

Decreased coronary reserve, a mechanism for angina
pectoris in patients with aortic stenosis and normal
coronary arteries.
N. Engl. J. Med., 307: 1362-6, 1986.

McGoon, M.D.; Fuster, V.; Shub, C. et al. :

Aortic valvular incompetence, in Brandenburg D (ed):
Cardiology: fundamentals and practice Chicago, Year
Book Publishers, Inc. (1987).

Mirsky, I.; Parmley, W.W. and Rackley, C.E. :

Force-velocity studies in isolated and intact heart
muscle, in Mirsky I, Ghista DN, and Sandler J (eds),
"Cardiac mechanics : Physiological, clinical and
mathematical considerations".
John Wiley & Sons, New York, 1979.

er, J.H.; Nakeb, A. and Edwards, J.E. :

Infarction of the papillary muscle and mitral insufficiency associated with congenital aortic stenosis.
Circulation, 34: 87-91, 1966.

aski, R.E.; Russell, R.O.; Mantle, J.A. and Rackley, C.E. :

Aortic stenosis, angina pectoris, coronary artery disease.
Catheterization and Cardiovasc. Diag. 2: 157, 1976.

kami, T.; Hess, O.M.; Gage, L.E.; Grimm, J. and Krayenbule, H.P. :

Diastolic filling dynamics in patients with aortic stenosis.
Circulation, 73: 1162, 1986.

ER, R.K.; Saunders, C.A. and Eddleman, E.E. :

Aortic valve disease and atrial fibrillation.
Arch. Intern. M., 121: 530, 1968.

ab, A.; Hillehei, C.E. and Edwards, J.E. :

The degree of coronary atherosclerosis in aortic valvular disease.
Arch. Pathol., 80: 517, 1986.

nda, N.C.; Saini, V.D. and Maulik, D. :

Basic principles of ultrasound and Doppler effect.
Doppler Echocardiography, First edition. Editor
Nanda, N.C., Igaku-Shoin, New York, Tokyo, P.1, 1985

lson, C.V.; Rand, P.W.; Angelakos, E.T. and Hugenholtz

Effect of intracardiac blood pressure on the electrocardiogram.
Circ. Res., 31: 95, 1972.

Newfeld, E.C.; Colombi, M. and Wagner, H.R. :

The clinical outlook of congenital aortic stenosis (valvular and discrete subvalvular) prior to surgery. In: The natural history and progress in treatment of congenital heart defects. Kidd BSL and Keith JD (ed), Charles C. Thomas, Springfield, 1975.

Newfeld, E.A.; Muster, A.J.; Paul, M.H.; Idriss F.S. and Riker, W.L. :

Discrete subvalvular aortic stenosis in childhood. Am. J. Cardiol., 38: 53, 1976.

Nugent, E.W.; Plauth, W.H.; Edwards, Y.E.; Sciant, R.C. and Williams, W.H. :

Congenital heart disease. Valvular aortic stenosis. The heart, arteries and veins. Sixth edition. Editor: Hurst, J.W., MacGraw-Hill Book Company, New York, 1986.

Olson, L.J.; Edwards, W.D. and Tajik, A.I. :

Aortic valve stenosis: Etiology, Pathophysiology evaluation and management in O'Rourke RA (ed) Current Problems in cardiology, Year Book Medical Publishers Inc. 12/8: 454, 1987.

Ohlsson, J. and Wranne, B. :

Noninvasive assessment of valve area in patients with aortic stenosis. J. Am. Coll. Cardiol., 7: 501, 1986.

Patricia, C.; Come, Marilyn, F.; Riley, B.S.; Robert, D.; Safian, M.D.; James, F.; Ferguson, Daniel D.; Diver, and Raymond, G. McKay :

Usefulness of non-invasive assessment of aortic stenosis before and after percutaneous aortic valvuloplasty. Am. J. Cardiol., 61: 1300, 1988.

Perloff, J.K. :

Clinical recognition of aortic stenosis: The Physical Signs and Differential Diagnosis of the Various Forms of Obstruction to Left Ventricular Outflow. Prof Cardiovasc. Dis., 10: 323, 1968.

Comarance, A. :

Pathogenesis of aortic stenosis and its relation to age.
Br. Heart J., 34, 469, 1972.

Ernst, M.R.; Ernst, J.D.; Gaudill, C.; Willson, C.S.;
Weaver, W.F. and Edwards, J.E. :

Acquired aortic stenosis in systemic lupus erythematosus.
Ann. Intern. Med., 93: 434, 1980.

Blackley, C.E.; Wallance, A.G.; Edwards, J.E. and Fitz,
N.M.:

Valvular heart disease, Aortic stenosis. The heart, arteries and veins. Sixth edition, Editor: Hurst, C.W., McGraw-Hill Book Company, New York, P. 729, 1986.

Roberts, W.C. :

The structure of the aortic valve in clinically isolated aortic stenosis: An autopsy study of 162 patients over 15 years of age.
Circulation, 42: 91, 1970.

Roberts, W.C. :

Anatomically isolated aortic valvular disease: The case against its being of rheumatic etiology.
Am. J. Med., 49: 151, 1970.

Roberts, W.C. :

Valvular, subvalvular and supra-valvular aortic stenosis. Morphologic features.
Cardiovasc. Clin., 5: 97, 1973.

Roberts, W.C. :

Congenital cardiovascular abnormalities usually silent until adulthood: Morphologic features of the floppy mitral valve, valvular aortic stenosis, discrete subvalvular aortic stenosis, hypertrophic cardiomyopathy, sinus of valsalva aneurysm, and the Marfan syndrome.
Cardiovasc. Clin, 10 (1): 407, 1979.

Roberts, W.C.; Perloff, J.K. and Costantino, T. :

Severe valvular aortic stenosis in patients over 65 years of age: A clinicopathological study.
Am. J. Cardiol., 27, 49, 1971.

Robert, J.S.; William, C.R. and Bethesda, M. :

Electrocardiographic observation in severe aortic valve stenosis: correlative necropsy study to clinical, hemodynamic, and E.C.G. variables demonstrating relation of the 12-lead QRS amplitude to peak systolic transaortic pressure gradient.
Am. Heart J., 103: 210, 1982.

Romhilt, D.W. and Estes, E.H. :

A point score system for the E.C.G. Diagnosis of left ventricular hypertrophy.
Am. Heart J., 75: 752, 1968.

Ross, J. :

Transseptal left heart catheterization: a new method of left atrial puncture.
Ann. Surg., 149: 395, 1959.

Ross, J:

Afterload mismatch and preload reserve: a conceptual framework for the analysis of ventricular function.
Prof Cardiovasc Dis 18: 255, 1976.

Ross, J and Braunwald, E:

Natural history of aortic stenosis, postmortem study.
Circulation, 23: 250, 1958.

Ross, J and Cope, H.E:

Quoted from, cardiac catheterization and angiography, 2nd ed., Lea and Febiger, Philadelphia, 1980.

Sahasakul, Y.; Edward, W.D.; Naessens, J.M. and Tajik, J. J.:

Age related changes in aortic and mitral valve thickness: implication for two dimensional echocardiography based on an autopsy study of 200 normal human hearts,
A.J. Cardiol. 62: 424-430, 1988.

Saini, V.D.; Manlik, D. and Nanda, N.C. :

Principles of Doppler ultrasound implantation Doppler echocardiography, First edition. Editor: Nanda N.C., Igaku-Shoin, New York, Tokyo, P. 31, 1985.

Schlan, R.C. and Silverman, H.E. :

Anatomy of the heart in Hurst J.W (ed) The Heart, arteries and veins. Sixth edition. McGraw-Hill, 16-37, 1986.

Shaffer, M.S.; Flower, R.S.; Coroy, P.; Steele, C. Rigby, M.L. and Rowe, R.D. :

Electrocardiographic estimation of peak systolic pressure gradient in children with aortic stenosis. J. Electrocardiol., 18 (3): 303, 1985.

Stamn, R.B. and Martin, R.P. :

Quantification of pressure gradients across stenotic valves by Doppler ultrasound. J. Am. Coll. Cardiol., 2 (No. 4): 707, 1983.

Stott, D.K.; Marpole, D.G.; Bristow, J.D.; Kloster, F.E. and Griswold, H.E. :

The role of left atrial transport in aortic and mitral stenosis. Circulation, 41: 1031, 1970.

Vacek, A.G.; Hendrick, M.; Pietro, D.A.; Paris, A.F.; Greenfield, O.:

A non-invasive test to evaluate the severity of aortic stenosis. Limitation and reliability chest, 77:155, 1984.

Warth, D.C.; Steward, W.J.; Block, P.C. and Weyman A.E.:

A new method to calculate aortic valve area without left heart catheterization. Circulation, 70 (No. 6): 978, 1984.

Whitmer, J.T.; James, F.W.; Kaplan, S.; Schwartz, D.C. and Knight, M.J.S. :

Exercise testing in children before and after surgical treatment of aortic stenosis.
Circulation, 63: 254, 1981.

Weyman, A.E.; Feigenbaum, H.; Hurwitz, R.A.; Girod, D.A. and Dillon, J.C. :

Cross-sectional echocardiographic assessment of the severity of aortic stenosis in children.
Circulation, 55 (5): 773, 1977.

Williams, C.A.; Labovitz, A.Y.; Nelson, J.G. and Kennedy, H.L.:

Value of multiple echocardiographic views in the evaluation aortic stenosis in adults by Doppler.
Am. J. Cardiol., 55: 445, 1985.

Wood, P. :

Aortic stenosis.
Am. J. Cardiol., 1: 553, 1968.

Wright, G.B.; Keane, J.F.; Nadas, A.S.; Bernhard, W.F. and Castaneda, A.R. :

Fixed subaortic stenosis in the young: Medical and surgical course in 83 patients.
Am. J. Cardiol., 52: 830, 1983.

Young, J.B.; Quinones, M.A.; Waggoner, A.D. and Miller, R.R. :

Diagnosis and quantification of aortic stenosis with pulsed Doppler echocardiography.
Am. J. Cardiol., 45: 987, 1980.

Zema, Mj and Caccavano.M:

Two dimensional echocardiographic assessment of aortic valve morphology: feasibility of bicuspid valve detection. Prospective study of 100 adult patients.
Br Heart J 48: 428, 1982.

Zimmerman, H.A.; Scott, R.W. and Becker, N.D. :

Catheterization of the left side of the heart in man.
Circulation, 1: 357, 1950.

Zimmerman and Limon Lason:

Quoted from, cardiac catheterization and angiography,
2nd ed., Lea & Febiger, Philadelphia, 1980.