

DAFTAR PUSTAKA

- Abhayaratna W.P., Seward J.B., Appleton C.P., Douglas P.S., Oh J.K., Tajik A.J., Tsang T.S.M. 2006. Left atrial size: physiologic determinants and clinical applications. *Journal of the American College of Cardiology*, 47, 12, 2357-2363.
- Alingandula A., Murthy P.S.V.R., Komma S. 2016. Detection of Left Atrial Enlargement by Echocardiography and Electrocardiogram Correlation in Cardiac and Non-cardiac Diseases. *International Journal of Scientific Study*, 4, 5, 1-5.
- Ancona R., Pinto S.C., Caso P., D'Andrea A., Di Salvo G., Arenga F., Coppola M.G., Sellitto V., Macrino M., Calabrò R. 2014. Left Atrium by Echocardiography in Clinical Practice: From Conventional Methods to New Echocardiographic Techniques. *The Scientific World Journal*, Volume 2014, Article ID 451042.
- Arora P., Batuman V. 2017. Chronic kidney disease. *emedicine.medscape.com*. diakses pada 12 September 2017.
- Aung S.M., Guller A., Guler Y., Huraibat A., Karabay C.YY., Akdemir I. 2017. Left atrial strain in heart failure with preserved ejection fraction. *Herz*, 42, 2, 194-199.
- Barbier P., Solomon S.B., Schiller N.B., Glantz S.A. 1999. Left atrial relaxation and left ventricular systolic function determine left atrial reservoir function. *Circulation*, 100, 4, 427-36.
- Barnes M.E., Miyasaka Y., Seward J.B. 2004. Left atrial volume in the prediction of first ischemic stroke in an elderly cohort without atrial fibrillation. *Mayo Clin Proc*, 79, 1008–1014.
- Baumgartner H., Falk V., Bax J.J., De Bonis M., Hamm C., Holm P.J., Lung B., Lancellotti P., Lansac E., Munoz D.R., Rosenhek R., Sjogren J., Mas P.T., Vahanian A., Walther T., Wendler O., Windecker S., Zamorano J.L. 2017. ESC/EACTS Guidelines for the management of valvular heart disease. *European Heart Journal*, 38, 36, 2739-2791.
- Bilen Y., Cankaya E., Simsek Z., Koza Y., Ipek E., Karakelleoglu S., Senocak H. 2015. Relationship between left atrial functions, P terminal force and interatrial block in chronic haemodialysis patients. *European Review for Medical and Pharmacological Sciences*, 19, 767-771.
- Birkbeck J.P., Wilson D.B., Hall M.A., Meyers D.G. 2006. P-wave morphology correlation with left atrial volumes assessed by 2-dimensional echocardiography. *J Electrocardiol*, 39, 2, 225-9.
- Blume G.G., Mcleod C.J., Barnes M.E., Seward J.B., Pellikka P.A., Bastiansen P.M., Tsang T.S.M. 2011. Left atrial function: physiology, assessment, and clinical implications. *European Journal of Echocardiography*, 12, 421–430.
- Boles U., Enriquez A., Ghabra W.A., Abdollah H., Michael K.A. 2015. Early changes on the electrocardiogram in hypertension. *E-Journal of Cardiology Practice*, 13(30).

- Bos W.J., Bruin S., van Olden R.W., Keur I., Wesseling K.H., Westerhof N., Krediet R.T., Arisz L.A. 2000. Cardiac and hemodynamic effects of hemodialysis and ultrafiltration. *Am J Kidney Dis*, 35, 819-826.
- Cameli M., Incampo E., Mondillo S. 2017. Left atrial deformation: Useful index for early detection of cardiac damage in chronic mitral regurgitation. *IJC Heart & Vasculture*, 17, 17-22.
- Cameli M., Lisi M., Mondillo S., Padeletti M., Ballo P., Tsioulpas C., Bernazzali S., Maccherini M. 2010. Left atrial longitudinal strain by speckle tracking echocardiography correlates well with left ventricular filling pressures in patients with heart failure. *Cardiovascular Ultrasound*, 8, 14.
- Cameli M., Sparla S., Losito M., Righini F.M., Menci D., Lisi M., D'Ascenzi F., Focardi M., Favilli R., Pierli C., Fineschi M., Modillo S. 2015. Correlation of left atrial strain and doppler measurements with invasive measurement of left ventricular end-diastolic pressure in patients stratified for different values of ejection fraction. *Echocardiography*, 398-404.
- Casaclang-Verzosa G., Gersh B.J., Tsang T.S.M. 2008. Structural and Functional Remodeling of the Left Atrium Clinical and Therapeutic Implications for Atrial Fibrillation. *Journal of the American College of Cardiology*, 51, 1, 1-11.
- Castiglioni P., Parati G., Brambilla L. 2011. Detecting sodium-sensitivity in hypertensive patients: information from 24-hour ambulatory blood pressure monitoring. *Hypertension*, 57, 180-185.
- Chen S.C., Chang J.M., Liu W.C. 2012. Echocardiographic parameters are independently associated with increased cardiovascular events in patients with chronic kidney disease. *Nephrol Dial Transplant*, 27, 1064-1070.
- Chiu D.Y.Y., Green D., Abidin N., Sinha S., Kalra P.A. 2014. Echocardiography in Hemodialysis Patients: Uses and Challenges. *American Journal of Kidney Diseases*, 64, 5, 804-816.
- Covic A., Goldsmith D.J., Covic M. 2000. Reduced blood pressure diurnal variability as a risk factor for progressive left ventricular dilatation in hemodialysis patients. *Am J Kidney Dis*, 35, 617-623.
- Dahlan, S., 2009, Penelitian Diagnostik: Dasar-dasar Teoretis dan Aplikasi dengan Program SPSS dan Stata, I, Salemba Medika, Jakarta.
- Dandel M., Lehmkuhl H., Knosalla C., Suramelashvili N., Hetzer R. 2009. Strain and Strain Rate Imaging by Echocardiography – Basic Concepts and Clinical Applicability. *Current Cardiology Reviews*, 5, 133-148.
- de Luna A.B., Baranchuk A., Robledo L.A.E., van Roessel A.M., Martínez-Sellés M. 2017. Diagnosis of interatrial block. *J Geriatr Cardiol*, 14, 3, 161-165.
- de Tombe P.P. 2003. Cardiac myofilaments: mechanics and regulation. *J Biomech*, 36, 5, 721-30.
- de Simone G., Kitzman D.W., Chinali M., Oberman A., Hopkins P.N., Rao D.C., Arnett D.K., Devereux R.B. 2005. Left ventricular concentric geometry is associated with impaired relaxation in hypertension: the HyperGEN study. *Eur Heart J*. 26, 10, 1039-45.

- Dyck R.F., Naqshbandi H.M., Harris S.B. 2012. Prevalence, determinants and co-morbidities of chronic kidney disease among First Nations adults with diabetes: results from the Circle study. *BMC Nephrol*, 13, 57.
- Edhouse J., Thakur R.K., Khalil J.M. 2002. ABC of clinical electrocardiography. Conditions affecting the left side of the heart. *BMJ*, 324, 7348, 1264-7.
- Eranti A., Aro A.L., Kerola T., Anttonen O., Rissanen H.A., Tikkanen J.T., Junttila M.J., Kentt  T.V., Knekt P., Huikuri H.V. 2014. Prevalence and prognostic significance of abnormal P Terminal Force in lead V1 of the ECG in the general population. *Circulation: Arrhythmia and Electrophysiology*, 7, 1116-1121.
- Essig M., Escoubet B., de Zuttere D. 2008. Cardiovascular remodelling and extracellular fluid excess in early stages of chronic kidney disease. *Nephrol Dial Transplant*, 23, 239–248.
- Foley R.N., Parfrey P.S., Harnett. 1996. Impact of hypertension on cardiomyopathy, morbidity and mortality in end-stage renal disease. *Kidney Int*, 49, 1379-1385.
- Foley R.N., Parfrey P.S., Sarnak M.J. 1998. Clinical epidemiology of cardiovascular disease in chronic renal disease. *Am J Kidney Dis*, 32(5 Suppl 3):S112-9.
- Gan G., Kadappu K.K., Cai L., Byth K., Eshoo S., Thomas L. 2017. Left atrial strain by 2D speckle tracking echocardiography in chronic kidney disease and association with 5 year outcomes. *European Heart Journal*, 38, Issue suppl_1, ehx502.P2077.
- Gantesti J., Casso N., Culaciati G., Deschle H. 2016. Relationship between left ventricular mass and echocardiographic parameters in hypertensive patients. *Revista argentina de cardiolog a*, 84(4), 347.
- Genovesi-Ebert A., Marabotti C., Palombo C., Ghione S. 1991. Electrocardiographic signs of atrial overload in hypertensive patients: indexes of abnormality of atrial morphology or function? *American Heart Journal*, 121, 4, 1, 1113-1118.
- Gerdts E., Wachtell K., Omvik P. 2007. Left atrial size and risk of major cardiovascular events during antihypertensive treatment: losartan intervention for endpoint reduction in hypertension trial. *Hypertension*, 49, 311–316.
- Gottdiener, J.S., Bednarz, J., Devereux, R., Gardin, J., Klein, A., Manning, W.J. 2004. American society of echocardiography recommendations for use of echocardiography in clinical trials. *J Am Soc Echocardiogr*, 17, 1086-1119.
- Gupta S., Matulevicius S.A., Ayers C.R. 2013. Left atrial structure and function and clinical outcomes in the general population. *Eur Heart J*, 34, 278–285.
- Hamdani N., Kooij V., van Dijk S., Merkus D., Paulus W.J., dos Remedios C., Duncker D.J., Stienen G.J.M., van der Velden J. 2008. Sarcomeric dysfunction in heart failure. *Cardiovascular Research*, 77, 4, 649–658.
- Hecking M., Bieber B.A., Ethier J., Kautzky-Willer A., Sunder-Plassmann G., S emann M.D., Ramirez S.P.B., Gillespie B.W., Pisoni R.L., Robinson

- B.M., Port F.K. 2014. Sex-Specific Differences in Hemodialysis Prevalence and Practices and the Male-to-Female Mortality Rate: The Dialysis Outcomes and Practice Patterns Study (DOPPS). *PLoS Med*, Oct, 11(10): e1001750.
- Hefti M.A., Harder B.A., Eppenberger H.M., Schaub M.C. 1997. Signaling pathways in cardiac myocyte hypertrophy. *Journal of molecular and cellular cardiology*, 29, 11, 2873-2892.
- Heikillä J., Hugenholtz P.G., Tabakin B.S. 1973. Prediction of left heart filling pressure and its sequential change in acute myocardial infarction from the terminal force of the P wave. *British Heart Journal*, 35, 142-151.
- Henrikson R.C., Kaye G.I., Mazurkiewicz J.E. 2017. *Histology*. Lippincott Williams & Wilkins, Baltimore.
- Her A.Y., Choi E.Y., Shim C.Y. 2012. Prediction of left atrial fibrosis with speckle tracking echocardiography in mitral valve disease: a comparative study with histopathology. *Korean Circ J*, 42, 311-8.
- Herzog C.A., Asinger R.W., Berger A.K., Charytan D.M., Diez J., Hart R.G., Eckardt K., Kasiske B.L., McCullough P.A., Passman R.S., DeLoach S.S., Pun P.H., Ritz E. 2011. Cardiovascular disease in chronic kidney disease. *Kidney Int*, 80, 6, 572-586.
- Hill J.A., Olson E.N. 2012. *Muscle : Fundamental Biology and Mechanisms of Disease*. Elsevier, Canada.
- Ho S.Y., Cabrera J.A., Sanchez-Quintana D. 2012. Left Atrial Anatomy Revisited. *Circulation: Arrhythmia and Electrophysiology*, 5, 220-228.
- Hoit B.D. 2014. Left atrial size and function: role in prognosis. *Journal of the American College of Cardiology*, 63, 6, 493-505.
- Iborra-Moltó C., López-Roig S., Pastor-Mira Mde L. 2012. Prevalence of adherence to fluid restriction in kidney patients in haemodialysis: objective indicator and perceived compliance. *Nefrologia*, 32, 4, 477-85.
- Ingber D. 1991. Integrins as mechanochemical transducers. Current opinion in cell biology, 3, 5, 841-848.
- Issa Z.F., Miller J.M., Zipes D.P. 2012. *Clinical Arrhythmology and Electrophysiology: A Companion to Braunwald's Heart Disease (Second Edition)*. Elsevier Saunders, Philadelphia.
- Jaroszyński A., Jaroszyńska A., Dąbrowski W., Zaborowski T., Stepulak A., Iłzecki M., Zubilewicz T. 2018. Factors influencing P terminal force in lead V1 of the ECG in hemodialysis patients. *Arch Med Sci*, 14, 2, 257–264.
- Kadappu K., Cai L., Thomas D., French J., Thomas L. 2015. Left atrial strain an earlier marker than NT pro BNP to assess cardiac involvement in CKD. *Heart, Lung and Circulation*, 24, supp 3, pS350.
- Kadappu K., Cai L., Xuan W., French J., Thomas L. 2016. Left atrial strain an early marker of future adverse cardiovascular events in chronic kidney disease. *Journal of the American College of Cardiology*, 67, 13.
- Kadappu K.K., Abhayaratna K., Boyd A., French J.K., Xuan W., Abhayaratna W., Thomas L. 2016. Independent Echocardiographic Markers of Cardiovascular Involvement in Chronic Kidney Disease: The Value of

- Left Atrial Function and Volume. *Journal of the American Society of Echocardiography*, 29, 4, 359-367.
- Kadappu K.K., Kuncoro A.S., Hee L., Aravindan A., Spicer S.T., Suryanarayanan G., Xuan W., Boyd A., French J.K., Thomas L. 2014. Chronic kidney disease is independently associated with alterations in left atrial function. *Echocardiography*, 31, 8, 956-964.
- Kasser I., Kennedy J.W. 1969. The relationship of increased atrial volume and pressure to abnormal P waves on the electrocardiogram. *Circulation*, XXXIX, 339-343.
- Kaykha A., Myers J., Dessler K.B., Laufer N., Froelicher V.F. 2010. The prognostic importance of isolated P wave abnormalities. *Clinical Cardiology*, 336, E87-E93.
- Kim J-K., Song Y.R., Park G.H., Kim H.J., Kim S.G. 2017. Impact of rapid ultrafiltration rate on changes in the echocardiographic left atrial volume index in patients undergoing haemodialysis: a longitudinal observational study. *BMJ Open*, 7, e013990.
- Kleber A.G., Saffitz J.E. 2014. Role of the intercalated disc in cardiac propagation and arrhythmogenesis. *Front Physiol*, 5, 404.
- Lang R.M., Badano L.P., Mor-avi V., Afilalo J., Armstrong A., Ernande L., Flachskampf F.A., Foster E., Goldstein S.A., Kuznetsova T., Lancellotti P., Muraru D., Picard M.H., Rietzschel E.R., Rudski L., Spencer K.T., Tsang W., Voigt J. 2015. Recommendations for Cardiac Chamber Quantification by Echocardiography in Adults: An Update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging. *Journal of the American Society of Echocardiography*, 28(1), 1–39.e14.
- Lazzeroni D., Rimoldi O., Camici P.G. 2016. From Left Ventricular Hypertrophy to Dysfunction and Failure. *Circulation Journal*, 80(3), 555-564.
- Levey A.S., Coresh J. 2002. K/DOQI Clinical practice guidelines for chronic kidney disease : evaluation, classification and stratification. *Am J Kidney Dis*, 39, S1-S266.
- Li H., Wang S. 2013. Cardiovascular disease in hemodialysis patients in: Hemodialysis, Prof. Hiromichi Suzuki (Ed.), InTech, DOI: 10.5772/53071. <https://www.intechopen.com/books/hemodialysis/cardiovascular-disease-in-hemodialysis-patients>.
- Liu G., Tamura A., Torigoe K., Kawano Y., Shinozaki K., Kotoku M., Kadota J. 2013. Abnormal P-wave terminal force in lead V1 is associated with cardiac death or hospitalization for heart failure in prior myocardial infarction. *Heart Vessels*, 28, 6, 690-5.
- Loewe A., Andlauer R., Platonov P.G., Dossel O., Seemann G. 2016. Left Atrial Hypertrophy Increases P-Wave Terminal Force Through Amplitude but not Duration. *Computing in Cardiology*, 43.
- Malik J., Lachmanova J., Kudlicka J., Rocinova K., Valerianova A., Bartkova M., Tesar V. 2016. Left Atrial Dysfunction in End-Stage Renal Disease Patients Treated by Hemodialysis. *Nephron*, 133, 169-174.

- Mancia G., Fagard R., Narkiewicz K., Redón J., Zanchetti A., Böhm M., Christiaens T., Cifkova R., De Backer G., Dominiczak A., Galderisi M., Grobbee D.E., Jaarsma T., Kirchhof P., Kjeldsen S.E., Laurent S., Manolis A.J., Nilsson P.M., Ruilope L.M., Schmieder R.E., Sirnes P.A., Sleight P., Viigimaa M., Waeber B., Zannad F. 2013. ESH/ESC Guidelines for the management of arterial hypertension: the Task Force for the management of arterial hypertension of the European Society of Hypertension (ESH) and of the European Society of Cardiology (ESC). *J Hypertens*, 31, 7, 1281-357.
- Mathew A., Shetty R., Khrisnananda N., Patil N., Karthik R.N., Samanth J., Balaji O., Dipanjan B., Kotian R. 2016. Assesment of left atrial function in patients with mitral valve diseases. *Asian Journal of Pharmaceutical and Clinical Research*, 9, 6, 1-339.
- McIntyre C.W. 2009. Effects of hemodialysis on cardiac function. *Kidney International*, 76, 4, 371-375.
- McIntyre C.W., Burton J.O., Selby S., Leccisotti L., Korsheed S., Baker C.S.R., Camici P.G. 2008. Hemodialysis induced cardiac dysfunction is associated with an acute reduction in global and segmental myocardial blood flow. *Clin J Am Soc Nephrol*, 3, 19-26.
- Mehrzad R., Rajab M., Spodick D.H. 2014. The three integrated phases of left atrial macrophysiology and their interactions. *International Journal of Molecular Sciences*, 15, 9, 15146-15160.
- Mishra A., Mishra C., Mohanty R.R., Behera M. 2008. Study on the diagnostic accuracy of left atrial enlargement by resting electrocardiography and its echocardiographic correlation. *Indian J Physiol Pharmacol*, 52, 1, 31–42.
- Moller J.E., Hillis G.S., Oh J.K. 2003. Left atrial volume: a powerful predictor of survival after acute myocardial infarction. *Circulation*, 107, 2207–2212.
- Morris J.J.J., Estes E.H.J., Whalen R.E. 1964. P wave analysis in valvular heart disease. *Circulation*, 29, 242-252.
- Mondillo S., Cameli M., Caputo M.L., Lisi M., Palmerini E., Padeletti M., Ballo P. 2011. Early Detection of Left Atrial Strain Abnormalities by Speckle-Tracking in Hypertensive and Diabetic Patients with Normal Left Atrial Size. *Journal of The American Society of Echocardiography*, 24, 8, 898-908.
- Nagai K., Sairenchi T., Irie F., Watanabe H., Ota H., Yamagata K. 2016. Relationship between Estimated Glomerular Filtration Rate and Cardiovascular Mortality in a Japanese Cohort with Long-Term Follow-Up. *PLoS One*. 11, 6, e0156792.
- Nagueh S.F., Smiseth O.A., Appleton C.P., Byrd B.F., Dokainish H., Edvardsen T., Flachskampf F.A., Gillebert T.C., Klein A.L., Lancellotti P., Marino P., Oh J.K., Popescu B.A., Waggoner A.D. 2016. Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography: An Update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging, *Journal of the American Society of Echocardiography*, 29, 4, 277–314.

- Nakanishi K., Jin Z., Russo C., Homma S., Elkind M.S.V., Rundek T., Tugcu A., Sacco R.L., Di Tullio M.R. 2017. Association of chronic kidney disease with impaired left atrial reservoir function: A community-based cohort study. *European Journal of Preventive Cardiology*, 24, 4.
- Nagasawa Y., Yamamoto R., Rakugi H., Isaka Y. 2012. Cigarette smoking and chronic kidney diseases. *Hypertens Res*, 35, 261-265.
- Ohara Y., Yoshimura Y., Fukuoka Y., Matsumi H., Miyaji T., Sahara S., Hosogi S., Nishimoto M., Yamamoto K. 2013. Early detection of left atrial strain abnormalities by speckle-tracking in patients with cchronic kidney disease and normal left atrial size. *Eur Heart J*, 34 (suppl1), 2914.
- Özkahya M., Ok E., Cirit M., Aydın S., Akcicek F., Başcı A., Mees E.J.D. 1998. Regression of left ventricular hypertrophy in haemodialysis patients by ultrafiltration and reduced salt intake without antihypertensive drugs. *Nephrology Dialysis Transplantation*, 13, 1489-1493.
- Paoletti E., Zoccali C. 2014. A look at the upper heart chamber: the left atrium in chronic kidney disease. *Nephrol Dial Transplant*, 29, 1847-1853.
- Parekh R.S., Plantinga L.C., Kao W.H., Meoni L.A., Jaar B.G., Fink N.E., Powe N.R., Coresh J., Klag M.J. 2008. The association of sudden cardiac death with inflammation and other traditional risk factors. *Kidney Int*, 74, 1335-1342.
- Park M., Hsu C.Y., Li Y. 2012. Associations between kidney function and subclinical cardiac abnormalities in CKD. *J Am Soc Nephrol*, 23, 1725–1734.
- Patel R.K., Jardine A.G.M., Mark P.B., Cunningham A.F., Steedman T., Powell J.R., McQuarrie E.P., Stevens K.K., Dargie H.J. 2010. Association of left atrial volume with mortality among ESRD patients with left ventricular hyperthrophy reffered for kidney transplantation. *American Journal of Kidney Diseases*, 55, 6, 1088-1096.
- Pathan F., D’Elia N., Nolan M.T., Marwick T.H., Negishi K. 2017. Normal ranges of left atrial strain by speckle-tracking echocardiography: A systematic review and meta-analysis. *J Am Soc of Echocardiography*, 30, 59-70.
- Pérez-Riera A., Femenia F., McIntyre W.F., Baranchuk A. 2011. Karel Frederick Wenckebach (1864–1940): A giant of medicine. *Cardiology journal*, 18, 3, 337-9.
- Perk G., Tunick P.A., Kronzon I. 2007. Non-Doppler two-dimensional strain imaging by echocardiography – from technical considerations to clinical applications. *J Am Soc Echocardiogr*, 49, 19, 1903-14.
- Platonov P.G., Ivanov V., Ho S.Y. 2008. Left atrial posterior wall thickness in patients with and without atrial fibrillation: data from 298 consecutive autopsies. *J Cardiovasc Electrophysiol*, 19(7), 689–692.
- Ponikowski P., Voors A.A., Anker S.D., Bueno H., Cleland J.G.F., Coats A.J.S., Falk V., Gonzalez-Juanatey J.R., Harjola V.P., Jankowska E.A., Jessup M., Linde C., Nihoyannopoulos P., Parissis J.T., Pieske B., Riley J.P., Rosano G.M.C., Ruilope L.M., Ruschitzka F., Rutten F.H., Van Der Meer

- P. 2016. ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure. *European Heart Journal*, 37, 27, 2129–2200.
- Premindra A.N., Chandraratna, Hodges M. 1973. Electrocardiographic evidence of left atrial hypertension in acute myocardial infarction. *Circulation*, Volume XLVII.
- Reda A.A., Soliman M.A., Ahmed M.K., Abd El-Ghani R.S. 2015. Assesment of left atrial function in patients with systolic heart failure: strain imaging study. *Menoufia Med J*, 28, 532-9.
- Rossi A., Temporelli P.L., Quintana M. 2009. Independent relationship of left atrial size and mortality in patients with heart failure: an individual patient meta-analysis of longitudinal data (MeRGE Heart Failure). *Eur J Heart Fail*, 11, 929–936.
- Rossi M.A., Carillo S.V. 1991. Cardiac hypertrophy due to pressure and volume overload: distinctly different biological phenomena? *Int J Cardiol*, 31(2), 133-41.
- Sasaki S., Watanabe T., Tamura H., Nishiyama S., Wanezaki M., Sato C., Yamaura G., Ishino M., Arimoto T., Takahashi H., Shishido T., Miyamoto T., Kubota I. 2014. Left atrial strain as evaluated by two-dimensional speckle tracking predicts left atrial appendage dysfunction in patients with acute ischemic stroke. *BBA Clinical*, 2, 40-47.
- Schwarz U., Buzello M., Ritz E., Stein G., Raabe G., Wiest G., Mall G., Amann K. 2000. Morphology of coronary atherosclerotic lesions in patients with end-stage renal failure. *Nephrol Dial Transplant*, 15, 218-223.
- Segall L., Nistor I., Covic A. 2014. Heart Failure in Patients with Chronic Kidney Disease: A Systematic Integrative Review. *Biomed Res Int*. v.2014, 937398.
- Shettigar U.R., Barry W.H., Hultgren H.N. 1977. P wave analysis in ischemic heart disease: an echocardiographic, hemodynamic and angiographic assessment. *British Heart Journal*, 39, 894-899.
- Sigrist M.K., McIntyre C.W. 2008. Vascular calcification is associated with impaired microcirculatory function in chronic hemodialysis patients. *Nephron Clin Pract*, 108, c121-c126.
- Simpson D.G., Majeski M., Borg T.K. Terracio L. 1999. Regulation of cardiac myocyte protein turnover and myofibrillar structure in vitro by specific directions of stretch. *Circulation research*, 85, e59-e69.
- Soelistijo S.A., Novida H., Rudijanto A., Soewondo P., Suastika K., Manaf A., Sanusi H., Lindarto D., Shahab A., Pramono B., Langi Y.A., Purnamasari D., Soetedjo N.N., Saraswati M.R., Dwipayana M.P., Yuwono A., Sasiarini L., Sugiarto, Sucipto K.W., Zufry H.. 2015. *Konsensus Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia*. PB PERKENI, Jakarta.
- Stenvinkel P., Alvestrand A. 2002. Inflammation in end-stage renal disease: sources, consequences, and therapy. *Semin Dial*, 15, 329-337.
- Stenvinkel P., Barany P., Heimbürger O., Pecoits-Filho R., Lindholm B. 2002. Mortality, malnutrition, and atherosclerosis in ESRD: what is the role of interleukin-6? *Kidney Int Suppl*, 103, 108.

- Stenvinkel P., Pecoits-Filho R., Lindholm B. 2003. Coronary artery disease in end-stage renal disease: no longer a simple plumbing problem. *J Am Soc Nephrol*, 14, 1927-1939.
- Stone N.J., Robinson C.J.G., Lichtenstein A.H., Merz N.B., Blum C.B., Eckel R.H., Goldberg A.C., Gordon D., Levy D., Lloyd-Jones D.M., McBride P., Schwartz S., Shero S.T., Smith S.C., Watson K., Wilson P.W.F. 2014. 2013 ACC/AHA Guideline on the Treatment of Blood Cholesterol to Reduce Atherosclerotic Cardiovascular Risk in Adults. *Journal of the American College of Cardiology*, 63, 25.
- Taddei S., Nami R., Bruno R.M., Quatrini I., Nuti R. 2011. Hypertension, left ventricular hypertrophy and chronic kidney disease. *Heart Fail Rev*, 16, 6, 615-20.
- Takaoka H., Funabashi N., Takahashi M., Uchimura Y., Sairaku A., Kobayashi Y. 2013. Left-atrial wall thickening may be an important-response in systemic hypertension as well as left-ventricular hypertrophy and more remarkable than left-ventricular diastolic dysfunction and left-atrial enlargement. *International Journal of Cardiology*, 168, 1, 598-600.
- Tanoue M.T., Kjeldsen S.E., Devereux R.B., Okin P.M. 2017. Relationship between abnormal P-wave terminal force in lead V₁ and left ventricular diastolic dysfunction in hypertensive patients: the LIFE study. *Blood Press*, 26, 2, 94-101.
- Tereshchenko L.G., Henrikson C.A., Sotoodehnia, N., Arking D.E., Agarwal, S.K., Siscovick, D.S., Post, W.S., Solomon, S.D., Coresh, J., Josephson, M.E., Soliman E.Z. 2014. Electrocardiographic Deep Terminal Negativity of the P Wave in V₁ and Risk of Sudden Cardiac Death: The Atherosclerosis Risk in Communities (ARIC) Study. *J Am Heart Assoc*, 3, 6.
- Thomas L., Abhayaratna W.P. 2017. Left Atrial Reverse Remodeling Mechanisms, Evaluation, and Clinical Significance. *JACC: Cardiovascular Imaging*, 10 (1).
- Torney M.I., Winston J.A. 2014. Cardiovascular pathophysiology in chronic kidney disease: opportunities to transition from disease to health. *Annals of Global Health*, 80, 1, 69-76.
- Tripepi G., Benedetto F.A., Mallamaci F., Tripepi R., Malatino L., Zoccali C. 2006. Left atrial volume in end-stage renal disease: a prospective cohort study. *J Hypertens*, 24, 6, 1173-80.
- Truong Q.A., Charipar E.M., Ptaszek L.M., Taylor C., Fontes J.D., Kriegel M., Irlbeck T., Mahabadi A.A., Blankstein R., Hoffmann U. 2011. Usefulness of electrocardiographic parameters as compared to computed tomography measures of left atrial volume enlargement: from the ROMICAT trial. *J Electrocardiol*, 44, 2, 257-264.
- Tsai W.C., Lee C.H., Lin C.C., Liu Y.W., Huang Y.Y., Li W.T. 2009. Association of left atrial strain and strain rate assessed by speckle tracking echocardiography with paroxysmal atrial fibrillation. *Echocardiography*, 26, 1188-1194.

- Unger E.D., Dubin R.F., Deo R., Daruwalla V., Friedman J.L., Medina C., Beussink L., Freed B.H., Shah S.J. 2016. Association of chronic kidney disease with abnormal cardiac mechanics and adverse outcomes in patients with heart failure and preserved ejection fraction. *European Journal of Heart Failure*, 18, 103–112.
- Vadakedath S., Kandi V. 2017. Dialysis: A Review of the Mechanisms Underlying Complications in the Management of Chronic Renal Failure. *Cureus*, 9, 8, e1603.
- van der Velde M., Matsushita K., Coresh J., Astor B.C., Woodward M., Levey A.S., de Jong P.E., Gansevoort R.T. 2011. Lower estimated glomerular filtration rate and higher albuminuria are associated with all-cause and cardiovascular mortality. A collaborative meta-analysis of high-risk population cohorts. *Kidney International*, 79, 12, 1341-1352.
- Waggoner A.D., Adyanthaya A.V., Quinones M.A., Alexander J.K. 1976. Left atrial enlargement: echocardiographic assesment of electrocardiographic criteria. *Circulation*, 54, 4, 553-557.
- Wann L.S., Curtis A.B., January C.T. 2011. ACCF/AHA/HRS focused update on the management of patients with atrial fibrillation (updating the 2006 guideline): a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *J Am Coll Cardiol*, 57, 223-242.
- Win T.T., Venkatesh B.A., Volpe G.J., Mewton N., Rizzi P., Sharma R.K., Strauss D.G., Lima J.A., Tereshchenko L.G. 2015. Associations of electrocardiographic P-wave characteristics with left atrial function, and diffuse left ventricular fibrosis defined by cardiac magnetic resonance: The PRIMERI Study. *HeartRhythm Case Reports*, 12, 1, 155-162.
- Yan Xu T., Sun J.P., Wai Lee A.P., Yang X.S., Ji L., Zhang Z., Li Y., Man Yu C., Guang Wang, J. 2015. Left Atrial Function as Assessed by Speckle-Tracking Echocardiography in Hypertension. *Medicine*, 94, 6, e526.
- Yeun J.Y., Levine R.A., Mantadilok V., Kaysen G.A. 2000. C-Reactive protein predicts all-cause and cardiovascular mortality in hemodialysis patients. *Am J Kidney Dis*, 35, 469-476.
- Yin Z., Ren J., Guo W. 2015. Sarcomeric Protein Isoform Transitions in Cardiac Muscle: A Journey to Heart Failure. *Biochim Biophys Acta*. 1852, 1, 47–52.
- Zoccali C., Benedetto F.A., Mallamaci F., Tripepi G., Fermo I., Foca A., Paroni R., Malatino L.S. 2000. Inflammation is associated with carotid atherosclerosis in dialysis patients. *J Hypertens*, 18, 1207-1213.