

DAFTAR PUSTAKA

- Accioly, M.F., Camargo Filho, J.C.S., Padulla, S.A.T., Lima, A.L.Z.D., Bonfim, M.R., Carmo, E.M.D., Pinhel, M.A.D.S., Lima, M.A., Azoubel, R., Brandão, A.C. and Souza, D.R.S., 2012. Effect of physical exercise and statins on the muscle function in animals with dyslipidemia. *Revista Brasileira de Medicina do Esporte*, 18(3), pp.198-202.
- Ahmed S, Saber EA, Hamouda AH, Rifaai RA. Structural Changes in the Skeletal Muscle Fiber of Adult Male Albino Rat Following Atorvastatin Treatment; the Possible Mechanisms of Atorvastatin Induced Myotoxicity. *J Cytol Histol*. 2017;8:442.
- Alexanderson, H. and Lundberg, I.E., 2012. Exercise as a therapeutic modality in patients with idiopathic inflammatory myopathies. *Current opinion in rheumatology*, 24(2), pp.201-207.
- Barrientos, G., Sánchez-Aguilera, P., Jaimovich, E., Hidalgo, C. and Llanos, P., 2017. Membrane cholesterol in skeletal muscle: a novel player in excitation-contraction coupling and insulin resistance. *Journal of diabetes research*, 2017.
- Basmajian, J.V. dan Wolf, S.L., 1990. Therapeutic Exercise, 5th ed, William and Wilkins, Maryland.
- Bennet, P.N dan Brown, M.J, 2003. Clinical pharmacology, 9th edition. London: Churchill Livingstone, p.525-526
- Bitzur, R., Cohen, H., Kamari, Y. and Harats, D., 2013. Intolerance to statins: mechanisms and management. *Diabetes care*, 36(Supplement 2), pp.S325-S330.
- Bonfim, M.R., Oliveira, A.S.B., Amaral, S.L.D. and Monteiro, H.L., 2015. Treatment of dyslipidemia with statins and physical exercises: recent findings of skeletal muscle responses. *Arquivos brasileiros de cardiologia*, 104(4), pp.324-331.
- Bouitbir, J., Daussin, F., Charles, A.L., Rasseneur, L., Dufour, S., Richard, R., Piquard, F., Geny, B. and Zoll, J., 2012. Mitochondria of trained skeletal muscle are protected from deleterious effects of statins. *Muscle & nerve*, 46(3), pp.367-373.
- Branstrom, 1996, Interactive Physiology, Muscular system, A.D.A.M. and Benjamin Cummings. (CD-ROM) A.D.A.M. Software Inc.
- Chung, H.R., Vakil, M., Munroe, M., Parikh, A., Meador, B.M., Wu, P.T., Jeong, J.H., Woods, J.A., Wilund, K.R. and Boppart, M.D., 2016. The impact of exercise on statin-associated skeletal muscle myopathy. *PloS one*, 11(12), p.e0168065.

- Collins, R., 2003. Heart Protection Study Collaborative Group. MRC/BHF Heart Protection Study of cholesterol-lowering with simvastatin in 5963 people with diabetes: a randomised placebo-controlled trial. *Lancet*, 361, pp.2005-2016.
- Dirks, A.J. dan Jones, K.M., 2006. Statin-induced apoptosis and skeletal myopathy. *American Journal of Physiology-Cell Physiology*, 291(6) pp.C1208-C1212.
- Di Stasi, S.L., MacLeod, T.D., Winters, J.D. and Binder-Macleod, S.A., 2010. Effects of statins on skeletal muscle: a perspective for physical therapists. *Physical therapy*, 90(10), pp.1530-1542.
- Dobkin, B.H., 2005. Underappreciated statin-induced myopathic weakness causes disability. *Neurorehabilitation and neural repair*, 19(3), pp.259-263.
- Egan, A. dan Colman, E., 2011. Weighing the benefits of high-dose simvastatin against the risk of myopathy. *New England Journal of Medicine*, 365(4), pp.285-287.
- El Dawi, H.S., Elgharabawy, G.S., El Sharkawy, E.E.D., Moustafa, A.E.G.A., Amr, I.M. and Bayomy, O.I., 2013. Histological Studies on Skeletal Muscles of Albino Rats under the Effect of Atorvastatin. *Egyptian Journal of Hospital Medicine*, 53.
- Ganong, W.F., 2008. Dalam: Pedit BU, penerjemah. *Buku ajar fisiologi kedokteran. Edisi ke-22*. Jakarta: EGC.
- Green, D.R., 2000. Apoptotic pathways: paper wraps stone blunts scissors. *Cell*, 102(1), pp.1-4.
- Guyton, A.C. dan Hall, J.E., 2007. Metabolisme lipid. *Buku ajar fisiol kedokteran. 11th ed.* Jakarta: EGC, pp.882-94.
- Indonesia, P.E., 2015. Pengelolaan dan Pencegahan Dislipidemia di Indonesia. *PB. PERKENI*.
- Jung, S. dan Kim, K., 2014. Exercise-induced PGC-1 α transcriptional factors in skeletal muscle. *Integrative medicine research*, 3(4), pp.155-160.
- Katzung BG, 2004. Agents Used in Hyperlipidemia. In Basic and Clinical Pharmacology, 9th edition. McGraw Hill Companies, hlmn. 790-799
- Kregel, K.C., Allen, D.L., Booth, F.W., Fleshner, M.R., Henriksen, E.J., Musch, T.I., O'Leary, D.S., Parks, C.M., Poole, D.C., Ra'anan, A.W. and Sheriff, D.D., 2006. Resource book for the design of animal exercise protocols. *American Physiological Society*, 152.
- Kwak, H.B., 2014. Statin-induced myopathy in skeletal muscle: the role of exercise. *Journal of lifestyle medicine*, 4(2), p.71.
- Laufs, U., Scharnagl, H., Halle, M., Windler, E., Endres, M. and März, W., 2015. Treatment options for statin-associated muscle symptoms. *Deutsches Ärzteblatt International*, 112(44), p.748.

- Laufs, U. and Liao, J.K., 2003. Isoprenoid metabolism and the pleiotropic effects of statins. *Current atherosclerosis reports*, 5(5), pp.372-378.
- Leeuwenberg, C. and Phaneuf, S., 2001. Apoptosis and Exercise. *Med Sci Sports Exerc*, 33, pp.393-396.
- Li, X., Liu, L., Tupper, J.C., Bannerman, D.D., Winn, R.K., Sebti, S.M., Hamilton, A.D. and Harlan, J.M., 2002. Inhibition of protein geranylgeranylation and RhoA/RhoA kinase pathway induces apoptosis in human endothelial cells. *Journal of Biological Chemistry*, 277(18), pp.15309-15316.
- Liao, J.K., 2002. Isoprenoids as mediators of the biological effects of statins. *The Journal of clinical investigation*, 110(3), pp.285-288.
- Mammen, A.L., 2016. Statin-associated autoimmune myopathy. *New England Journal of Medicine*, 374(7), pp.664-669.
- Martikainen, M.H., Gardberg, M., Kohonen, I. and Lähdesmäki, J., 2013. Statin-Induced Myopathy in a Patient with Previous Poliomyelitis. *American journal of physical medicine & rehabilitation*, 92(11), pp.1031-1034.
- Medor, B.M. dan Huey, K.A., 2011. Statin-associated changes in skeletal muscle function and stress response after novel or accustomed exercise. *Muscle & nerve*, 44(6), pp.882-889.
- Mendes, P., Robles, P.G. dan Mathur, S., 2014. Statin-induced rhabdomyolysis: a comprehensive review of case reports. *Physiotherapy Canada*, 66(2), pp.124-132.
- Murlasits, Z. dan Radák, Z., 2014. The effects of statin medications on aerobic exercise capacity and training adaptations. *Sports Medicine*, 44(11), pp.1519-1530.
- Nair dan Jacob, 2016. Dose conversion between species, *Journal of Basic and Clinical Pharmacy*, vol 7(2).
- Pallav, D., 2016. Men and mice: Relating their ages. *Life sciences*.
- Parker, B.A. dan Thompson, P.D., 2012. Effect of statins on skeletal muscle: exercise, myopathy, and muscle outcomes. *Exercise and sport sciences reviews*, 40(4), p.188.
- Pfister, P.B., de Bruin, E.D., Tobler-Ammann, B.C., Maurer, B. and Knols, R.H., 2015. The relevance of applying exercise training principles when designing therapeutic interventions for patients with inflammatory myopathies: a systematic review. *Rheumatology international*, 35(10), pp.1641-1654.
- Phaneuf, S. and Leeuwenburgh, C., 2002. Cytochrome c release from mitochondria in the aging heart: a possible mechanism for apoptosis with age. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 282(2), pp.R423-R430.
- Phillips, B.A. dan Mastaglia, F.L., 2000. Exercise therapy in patients with myopathy. *Current opinion in neurology*, 13(5), pp.547-552.

- Pollack, M., Phaneuf, S., Dirks, A. and Leeuwenburgh, C., 2002. The role of apoptosis in the normal aging brain, skeletal muscle, and heart. *Annals of the New York Academy of Sciences*, 959(1), pp.93-107.
- Porszasz, J., Casaburi, R., Somfay, A., Woodhouse, L.J. and Whipp, B.J., 2003. A treadmill ramp protocol using simultaneous changes in speed and grade. *Medicine & Science in Sports & Exercise*, 35(9), pp.1596-1603.
- Possidonio, A.C., Miranda, M., Gregoracci, G.B., Thompson, F.L., Costa, M.L. and Mermelstein, C., 2014. Cholesterol depletion induces transcriptional changes during skeletal muscle differentiation. *BMC genomics*, 15(1), p.544.
- Renatus, M., Stennicke, H.R., Scott, F.L., Liddington, R.C. and Salvesen, G.S., 2001. Dimer formation drives the activation of the cell death protease caspase 9. *Proceedings of the National Academy of Sciences*, 98(25), pp.14250-14255.
- Sandri, M., Carraro, U., Podhorska-Okolov, M., Rizzi, C., Arslan, P., Monti, D. and Franceschi, C., 1995. Apoptosis, DNA damage and ubiquitin expression in normal and mdx muscle fibers after exercise. *FEBS letters*, 373(3), pp.291-295
- Sacher J, Weigl L, Werner M, Szegedi C, and Hohenegger M. Delineation of myotoxicity induced by 3-hydroxy-3-methylglutaryl CoA reductase inhibitors in human skeletal muscle cells. *J Pharmacol Exp Ther* 314: 1032–1041, 2005.
- Schachter M, 2004. Chemical, pharmacokinetic and pharmacodynamic properties of statins: an update, *Fundamental & Clinical Pharmacology*, vol. 19, pp. 117-125
- Schelman WR, Andres RD, Sipe KJ, Kang E, Weyhenmeyer JA. Glutamate mediates cell death and increases the Bax to Bcl-2 ratio in a differentiated neuronal cell line. *Molecular Brain Research*. 2004 Sep 28;128(2):160-9.
- Scott, W., Stevens, J. dan Binder-Macleod, S.A., 2001. Human skeletal muscle fiber type classifications, *Physical therapy*, 81 (11), pp. 1810 –1816
- Sherwood L, 2014. *Human Physiology From Cells to Systems*, 9th edition. Boston.
- Sirtori CR, 2014. The pharmacology of statins, *Pharmacological Research*, <http://dx.doi.org/10.1016/j.phrs.2014.03.002>
- Siu PM, Bryner RW, Martyn JK, Alway SE. Apoptotic adaptations from exercise training in skeletal and cardiac muscles. *The FASEB journal*. 2004 Jul;18(10):1150-2.
- Southern, W.M., Nicenko, A.S., Shill, D.D., Spencer, C.C., Jenkins, N.T., McCully, K.K., Call, J.A., 2017. Skeletal muscle metabolic adaptations to endurance exercise training are attainable in mice with simvastatin treatment. *Plos one journal* 12(2):e0172551.doi:10.1371/journal.pone.0172551.
- Stroes, E.S., Thompson, P.D., Corsini, A., Vladutiu, G.D., Raal., F.J., 2015. Statin-associated muscle symptoms: impact on statin therapy –European Atherosclerosis Society Consensus Panel Statement on Assessment, Aetiology and Management, *European Heart Journal*, vol. 35, pp. 1012-1022

Thompson PD, Panza G, Zaleski A, Taylor B, 2016. Statin-associated side effects, *JACC*, vol. 67, no. 20, pp. 2395-2410