

REFERENCE

- Arbeeny, C., Mayers, D., Bergquist, K. and Gregg, R., 1992. Inhibition of fatty acid synthesis decreases very low density lipoprotein secretion in the hamster. *Journal of lipid research*, 33: 843-851.
- Bays, H., Toth, P., Kris-Etherton, P., Abate, N., Aronne, L., Brown, W., Gonzalez-Campoy, J., Jones, S., Kumar, R., La Forge, R. and Samuel, V., 2013. Obesity, adiposity, and dyslipidemia: A consensus statement from the National Lipid Association.
- Borén, J., Matikainen, N., Adiels, M. and Taskinen, M., 2014. Postprandial hypertriglyceridemia as a coronary risk factor. *Clinica Chimica Acta*, 431: 131-142.
- Camacho, E., Huhtaniemi, I., O'Neill, T., Finn, J., Pye, S., Lee, D., Tajar, A., Bartfai, G., Boonen, S., Casanueva, F., Forti, G., Giwercman, A., Han, T., Kula, K., Keevil, B., Lean, M., Pendleton, N., Punab, M., Vanderschueren, D. and Wu, F., 2013. Age-associated changes in hypothalamic-pituitary-testicular function in middle-aged and older men are modified by weight change and lifestyle factors: longitudinal results from the European Male Ageing Study. *European Journal of Endocrinology*, 168(3): 445-455.
- Canoy, D., Barber, T., Pouta, A., Hartikainen, A., McCarthy, M., Franks, S., Järvelin, M., Tapanainen, J., Ruokonen, A., Huhtaniemi, I. and Martikainen, H., 2014. Serum sex hormone-binding globulin and testosterone in relation to cardiovascular disease risk factors in young men: a population-based study. *European Journal of Endocrinology*, 170(6): 863-872.
- Cohen, P., 2008. The hypoandrogenic–anabolic deficiency state: Endocrine and metabolic shifts in men. *Medical Hypotheses*, 71(5): 805-807.
- D'Adamo, E., Guardamagna, O., Chiarelli, F., Bartuli, A., Liccardo, D., Ferrari, F. and Nobili, V., 2015. Atherogenic Dyslipidemia and Cardiovascular Risk Factors in Obese Children.
- De Pergola G., 2000. The adipose tissue metabolism: role of testosterone and dehydroepiandrosterone. *Int J Obesity* 24: S59–S63
- Ericsson, S., Berglund, L., Frostegård, J., Einarsson, K. and Angelin, B., 1997. The influence of age on low density lipoprotein metabolism: effects of cholestyramine treatment in young and old healthy male subjects. *Journal of Internal Medicine*, 242(4): 329-337.
- Freedman, D., Dietz, W., Srinivasan, S. and Berenson, G., 1999. The Relation of Overweight to Cardiovascular Risk Factors Among Children and Adolescents: The Bogalusa Heart Study. *Pediatrics*, 103(6): 1175-1182.
- Garcia-Cruz, E., Piqueras, M., Huguet, J., Perez-Marquez, M., Gosalbez, D., Peri, L., Izquierdo, L., Luque, P., Ribal, M. and Alcaraz, A., 2012. Hypertension, dyslipidemia and overweight are related to lower testosterone levels in a cohort of men undergoing prostate biopsy. *International Journal of Impotence Research*, 24(3): 110-113.

- Grossmann, M., Tang Fui, M. and Dupuis, P., 2014. Lowered testosterone in male obesity: Mechanisms, morbidity and management. *Asian Journal of Andrology*, 16(2): 223.
- Han, J., Lawlor, D. and Kimm, S., 2010. Childhood obesity. *The Lancet*, 375(9727): 1737-1748.
- Haring, R., Baumeister, S., Völzke, H., Dörr, M., Felix, S., Kroemer, H., Nauck, M. and Wallaschofski, H., 2010. Prospective association of low total testosterone concentrations with an adverse lipid profile and increased incident dyslipidemia. *European Journal of Cardiovascular Prevention & Rehabilitation*, 18(1): 86-96.
- Jia, H., 2015. Review of health risks of low testosterone and testosterone administration. *World Journal of Clinical Cases*, 3(4): 338.
- Juhola, J., Magnussen, C., Viikari, J., Kähönen, M., Hutri-Kähönen, N., Jula, A., Lehtimäki, T., Åkerblom, H., Pietikäinen, M., Laitinen, T., Jokinen, E., Taittonen, L., Raitakari, O. and Juonala, M., 2011. Tracking of Serum Lipid Levels, Blood Pressure, and Body Mass Index from Childhood to Adulthood: The Cardiovascular Risk in Young Finns Study. *The Journal of Pediatrics*, 159(4): 584-590.
- Klop, B., Elte, J. and Cabezas, M., 2013. Dyslipidemia in Obesity: Mechanisms and Potential Targets. *Nutrients*, 5(4): 1218-1240.
- Krysiak, R., Gilowski, W. and Okopien, B., 2015. The Effect of Testosterone and Fenofibrate, Administered Alone or in Combination, on Cardiometabolic Risk Factors in Men with Late-Onset Hypogonadism and Atherogenic Dyslipidemia. *Cardiovascular Therapeutics*, 33(5): 270-274.
- Lu, Y., Wang, P., Zhou, T., Lu, J., Spatz, E., Nasir, K., Jiang, L. and Krumholz, H., 2018. Comparison of Prevalence, Awareness, Treatment, and Control of Cardiovascular Risk Factors in China and the United States. *Journal of the American Heart Association*, 7(3).
- Mc Auley, M. and Mooney, K., 2015. Computationally Modeling Lipid Metabolism and Aging: A Mini-review. *Computational and Structural Biotechnology Journal*, 13: 38-46.
- Miller, W., Myers, G., Sakurabayashi, I., Bachmann, L., Caudill, S., Dziekonski, A., Edwards, S., Kimberly, M., Korzun, W., Leary, E., Nakajima, K., Nakamura, M., Nilsson, G., Shamburek, R., Vetrovec, G., Warnick, G. and Remaley, A., 2010. Seven Direct Methods for Measuring HDL and LDL Cholesterol Compared with Ultracentrifugation Reference Measurement Procedures. *Clinical Chemistry*, 56(6): 977-986.
- Muraleedharan, V. and Jones, T., 2010. Review: Testosterone and the metabolic syndrome. *Therapeutic Advances in Endocrinology and Metabolism*, 1(5): 207-223.
- Murata, M., 2000. Secular trends in growth and changes in eating patterns of Japanese children. *The American Journal of Clinical Nutrition*, 72(5): 1379-1383.
- Nayak, B., 2010. Understanding the relevance of sample size calculation. *Indian Journal of Ophthalmology*, 58(6): 469.

- Ratna D, H., 2011. Lipid Profiles Among Diverse Ethnic Groups in Indonesia. *43(1): 4.*
- Rivas, A., Mulkey, Z., Lado-Abeal, J. and Yarbrough, S., 2014. Diagnosing and Managing Low Serum Testosterone. *Baylor University Medical Center Proceedings, 27(4): 321-324.*
- Shirasawa, T., Ochiai, H., Ohtsu, T., Nishimura, R., Morimoto, A., Hoshino, H., Tajima, N. and Kokaze, A., 2013. LDL-cholesterol and body mass index among Japanese schoolchildren: a population-based cross-sectional study. *Lipids in Health and Disease, 12(1): 77.*
- Teramoto, T., Sasaki, J., Ishibashi, S., Birou, S., Daida, H., Dohi, S., Egusa, G., Hiro, T., Hirobe, K., Iida, M., Kihara, S., Kinoshita, M., Maruyama, C., Ohta, T., Okamura, T., Yamashita, S., Yokode, M. and Yokote, K., 2013. Diagnostic Criteria for Dyslipidemia. *Journal of Atherosclerosis and Thrombosis, 20(8): 655-660.*
- Tomaszewski, M., Charchar, F., Maric, C., Kuzniewicz, R., Gola, M., Grzeszczak, W., Samani, N. and Zukowska-Szczechowska, E., 2009. Association between lipid profile and circulating concentrations of estrogens in young men. *Atherosclerosis, 203(1): 257-262.*
- Traish, A. and Zitzmann, M., 2015. The complex and multifactorial relationship between testosterone deficiency (TD), obesity and vascular disease. *Reviews in Endocrine and Metabolic Disorders, 16(3): 249-268.*
- Tucker, M. and Turcotte, L., 2002. Impaired fatty acid oxidation in muscle of aging rats perfused under basal conditions. *American Journal of Physiology-Endocrinology and Metabolism, 282(5): 1102-1109.*
- Wang, C., Jackson, G., Jones, T., Matsumoto, A., Nehra, A., Perelman, M., Swerdloff, R., Traish, A., Zitzmann, M. and Cunningham, G., 2011. Low Testosterone Associated With Obesity and the Metabolic Syndrome Contributes to Sexual Dysfunction and Cardiovascular Disease Risk in Men With Type 2 Diabetes. *Diabetes Care, 34(7): 1669-1675.*
- Yoon, J., 2014. Dyslipidemia in Children and Adolescents: When and How to Diagnose and Treat?. *Pediatric Gastroenterology, Hepatology & Nutrition, 17(2): 85.*
- Woudstra, T., Drozdowski, L., Wild, G., Clandinin, M., Agellon, L. and Thomson, A., 2004. The age-related decline in intestinal lipid uptake is associated with a reduced abundance of fatty acid-binding protein. *Lipids, 39(7): 603-610.*
- Zhang, N., Zhang, H., Zhang, X., Zhang, B., Wang, F., Wang, C., Zhao, M., Yu, C., Gao, L., Zhao, J. and Guan, Q., 2014. The relationship between endogenous testosterone and lipid profile in middle-aged and elderly Chinese men. *European Journal of Endocrinology, 170(4): 487-494.*