

Review on Nutraceuticals Food Used in Atherosclerosis

Mamata S. Chavan¹, Dr. Gajanan Sanap², Priyanka Zendekar³, Shrikant M. Adhekar⁴

Student, Late Bhagirathi Yashavantrao Pathrikar College of Pharmacy, Pathri, Phulambri, Aurangabad¹

Principal, Late Bhagirathi Yashavantrao Pathrikar College of Pharmacy, Pathri, Phulambri, Aurangabad²

Assistant Professor, Late Bhagirathi Yashavantrao Pathrikar College of Pharmacy, Pathri, Phulambri, Aurangabad³

Lecturer, Dr. Y S Khedkar College of Pharmacy, Aurangabad.

mamtachavan1999@gmail.com¹ (Corresponding Author)

Abstract: *Atherosclerosis or arteriosclerosis is a slow and progressive building up of plaque, fatty substances, cholesterol, cellular waste products, calcium and fibrin in the inner lining of an artery. This building up of plaque may lead to thickening of the arteries, subsequently blocking the blood flow either partially or totally in an artery. Nutraceuticals have received considerable interest because of their presumed safety. The Present article focuses on the need for consuming appropriate diets, nutraceuticals/functional foods/food supplements with novel health benefits of nutraceutical.*

Keywords: Nutraceutical, Herbal Drugs, Atherosclerosis, Food, Diet

REFERENCES

- [1]. World health organisation fact sheet 317 <http://www.Who.Int/mediacentre/factsheets/fs317/en/> (2015).
- [2]. Aquila, G., Marracino, L., Martino, V., Calabria, D., Campo, G., Caliceti, C., & Rizzo, P. (2019). The use of nutraceuticals to counteract atherosclerosis: the role of the notch pathway. *Oxidative medicine and cellular longevity*, 2019.
- [3]. Moss, J. W., & Ramji, D. P. (2016). Nutraceutical therapies for atherosclerosis. *Nature Reviews Cardiology*, 13(9), 513-532.
- [4]. Badimon, L., Vilahur, G., & Padro, T. (2010). Nutraceuticals and atherosclerosis: human trials. *Cardiovascular Therapeutics*, 28(4), 202-215.
- [5]. Massaro, M., Scoditti, E., Carluccio, M. A., & De Caterina, R. (2010). Nutraceuticals and prevention of atherosclerosis: focus on ω -3 polyunsaturated fatty acids and mediterranean diet polyphenols. *Cardiovascular therapeutics*, 28(4), e13-e19.
- [6]. Kim, M. J., & Jung, S. K. (2020). Nutraceuticals for prevention of atherosclerosis: Targeting monocyte infiltration to the vascular endothelium. *Journal of food biochemistry*, 44(6), e13200.
- [7]. Sirtori, C. R., Galli, C., Anderson, J. W., & Arnoldi, A. (2009). Nutritional and nutraceutical approaches to dyslipidemia and atherosclerosis prevention: Focus on dietary proteins. *Atherosclerosis*, 203(1), 8-17.
- [8]. Pillai, S. C., Borah, A., Jacob, E. M., & Kumar, D. S. (2021). Nanotechnological approach to delivering nutraceuticals as promising drug candidates for the treatment of atherosclerosis. *Drug Delivery*, 28(1), 550-568.
- [9]. After an Acute Coronary Syndrome During Treatment With Alirocumab. (2016).
- [10]. Roger Walker, Cate Whittiesea: *Clinical Pharmacy & Therapeutics* Harcourt Publishers, Philadelphia 4 Edition 2007 Pg: 346-366
- [11]. H.P.Rang M.M.Dale. J.M.Ritter R.J.Flower Rangdale's Pharmacology: ELSEVIER Imprints, Philadelphia,& Edition 2007 Pg: 306-315
- [12]. Gulati OP, Berry Ottaway P. Legislation relating to nutraceuticals in the European Union with a particular focus on botanical-sourced products. *Toxicology* 2006;221:75-87.
- [13]. Galimanis A, Mono ML, Arnold M, Nedeltchev K, Mattle HP. Lifestyle and stroke risk: A review. *Curr Opin Neurol* 2009; 22:60-68.

