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Aratiles as cure for diabetes pdf free printable version

Kesari AN, Kesari S, Singh SK, Gupta RK, Watal G, Nagaraju N, Rao KN. Antihyperglycemic, antioxidant and hypolipidemic effect of Punica granatum L flower extract in streptozotocin induced diabetic rats. Das S, Sarma G. 2004;27:1047-53. Diabetes Care. Handbook of Ayurvedic Medicinal Plants. Experimental alloxan induced diabetes in the rat. 1943;11:384-7. This red color fruit is known as small Apple or Aratiles. The Aratiles fruit in other countries is known as Jamaican cherry, Panama berry, Singapore cherry, bolaina yamanaza, cacaniqua, capulin blanco, nigua, niguito, memizo, or memiso. Its Scientific name is Muntingia calabura. World Health Organization. 1994;43:167-71. Patil R, Patil R, Ahirwar B, Ahirwar D, Anal Biochem. Wild S, Roglic G, Green A, Sicree R, King H. [PubMed] [Google Scholar]21. [Google Scholar]5. The rising burden of diabetes and hypertension in Southeast Asian and African regions: Need for effective strategies for prevention and control in primary health care settings. 2007;31:17-24. Asian Pac J Trop Biomed. Dunn JS, McLetchie NG. 2012;6:4724-30. [PubMed] [Google Scholar]25. in streptozotocin-induced diabetic rats. Lei F, Zhang XN, Wang W, Xing DM, Xie WD, Su H, et al. Punica granatum L. Preliminary observations on the antifertility effect of some indigenous drugs. Indian J Biochem Biophys. Parmar HS, Kar A. Contribute now 2008;62:284-93. Clinics (Sao Paulo) 2009;64:233-44. [PubMed] [Google Scholar]7. The anti-diabetic effect of anthocyanins in streptozotocin-induced diabetic rats through glucose transporter 4 regulation and prevention of insulin resistance and pancreatic apoptosis. [Google Scholar]18. [PubMed] [Google Scholar]12. Ahmed S, Wang N, Hafeez BB, Cheruvu VK, Haqqi TM. Every contribution is valuable for our future. seeds in streptozotocin-induced diabetic rats. [PubMed] [Google Scholar]29. 2006;107:285-90. [PMC free article] [PubMed] [Google Scholar]35. [PubMed] [Google Scholar]19. in Alloxan-induced diabetic albino rats. (Lamiaceae) aerial part. Kumar S, Kumar V, Prakash O, Budin SB, Othman F, Louis SR, Bakar MA, Das S, Mohamed J, J Nutr. Rao NK, Nammi S. [PubMed] [Google Scholar]13. II. [PMC free article] [PubMed] [Google Scholar]9. Jamaican cherry, known as "Aratiles" in the Philippines, is a potential cure for diabetes. Maria Isabel Layson, a student from Iloilo National High School, recently discovered that the Jamaican cherry has anti-diabetes properties and could cure type 2 diabetes. In certain areas of the Philippines, these little red fruits are known as manzanitas or small apples, also spelled mansanitas or manchanitas. Locals of the Tarlac province and Nueva Ecija call them sarsa, while the Ilonggos of the Visayas region call them sarisa. A student scientist from Iloilo City has discovered potentially anti-diabetic components in the Aratiles fruit - a discovery she recently presented in an international science fair in the United States. Boukef K, Souissi HR, Balansard G, Bhaskar A, Kumar A. Pomegranate flower improves cardiac lipid metabolism in a diabetic rat model: Role of lowering circulating lipids. [PubMed] [Google Scholar]20. 1990;29:137-58. Int J Obes (Lond) 2007;31:1023-9. Mesangial cell hypertrophy by high glucose is mediated by downregulation of the tumor suppressor PTEN. 1982;16:260-79. S J Pharm Sci. Effect of aqueous bark extract of Garuga pinnata Roxb. 2013 409083. Adewole SO, Ojewole JA. Antidiabetic and anti-lipemic effects of Cassia siamea leaves extract in streptozotocin induced diabetic rats. 1972;47:389-94. Antidiabetic, hypolipidemic and histopathological analysis of Dillenia indica (L.) leaves extract on alloxan induced diabetic rats. [Google Scholar]2. Diabetologia. Mohan V, Seedat YK, Pradeepa R, Shirwaikar A, Rajendran K, Barik R. Studies on the glycemic and lipidemic effect of Murraya koenigii in experimental animals. 2008;6:30-41. While she did not win in the US competition, Layson said representing the country was a blessing and an honor: "I didn't join the competition for fame. 1963;29:91-8. Readers like you are an inspiration for us to move Agri Journalism forward. Colorimetric assay of catalase. Int J Biol Med Res. [PMC free article] [PubMed] [Google Scholar]4. 2011;4:347-52. 2009;53:1419-29. [PubMed] [Google Scholar]34. 1996;10:332-4. Antidiabetic and renoprotective effects of the chloroform extract of Terminalia chebula Retz. Kakkar P, Das B, Viswanathan PN. Oral contraceptives. 2012;3:2065-7. Mahanta M, Mukherjee AK, Lenzen S, Panten U. Hypoglycaemic effect of Artemisia herba alba. Isolation and characterization of anti-diabetic component (bioactivity-guided fractionation) from Ocimum sanctum L. 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First published on: 12 Jun 2019, 10:16 IST Dear patron, thank you for being our reader. Phytother Res. 2007;10:213-7. 1988;31:337-42. I joined this research competition because I wanted to address the problem of diabetes and how my research of Aratiles could help solve that. Layson said her research found bioactive compounds like anthocyanin, flavonoid and polyphenol in the oft ignored fruit. Contribution to the study of plants used in traditional medicine in Tunisia. Antidiabetic action of ethanolic extracts of Punica granatum Linn. Assay for lipid peroxides in animal tissues by thiobarbituric acid reaction. Kapoor LD. [PubMed] [Google Scholar]17. [Google Scholar]14. Biofactors. extract inhibits IL-1beta-induced expression of matrix metalloproteinases by inhibiting the activation of MAP kinases and NF-kappaB in human chondrocytes in vitro. Antidiabetic potential of Citrus sinensis and Punica granatum peel extracts in alloxan treated male mice. [PMC free article] [PubMed] [Google Scholar]33. [PubMed] [Google Scholar]3. 1. 1960;48:46-51. in streptozotocin-nicotinamide induced type-II diabetes mellitus. 2005;135:2096-102. 2001;75:55-60. Antihyperglycemic and antioxidative potential of Matricaria chamomilla L. 2010;3:871-3. The effects of palm oil tocotrienol-rich fraction supplementation on biochemical parameters, oxidative stress and the vascular wall of streptozotocin-induced diabetic rats. J Ethnopharmacol. Part 1. [PubMed] [Google Scholar]16. Gujral ML, Varma DR, Sareen KN. Neutralisation of lethality, myotoxicity and toxic enzymes of Naja kaouthia venom by Mimosa pudica root extracts. Afr J Tradit Complement Altern Med. [Google Scholar]26. J Med Plants Res. BMC Complement Altern Med. A modified spectrophotometric assay of superoxide dismutase. Definition, Diagnosis and Classification of Diabetes Mellitus and its Complications: Report of a WHO Consultation. Diabetes. Punica granatum: Heuristic treatment for diabetes mellitus. Global prevalence of diabetes: Estimates for the year 2000 and projections for 2030. 2005;145:767-74. Amjad L, Shafiqhi M. [PubMed] [Google Scholar]11. We need your support to keep delivering quality Agri Journalism and reach the farmers and people in every corner of rural India. [PubMed] [Google Scholar]8. J Nat Med. Total phenolic contents and antioxidant activities of pomegranate peel, seed, leaf and flower. [PubMed] [Google Scholar]27. Huang TH, Peng G, Kota BP, Li GQ, Yamahara J, Roufogalis BD, et al. Hypolipidemic effect of fenugreek seeds. 2009;2:14-21. [Google Scholar]31. Mahimainathan L, Das F, Venkatesan B, Choudhury GG. [PubMed] [Google Scholar]30. Rakieten N, Rakieten ML, Nadkarni MV. Indian J Med Res. [PubMed] [Google Scholar]15. A survey of plant crude drugs of Rayalaseema, Andhra Pradesh, India. 2012;2(3 Supplement):S1764-9. Diagnosis and Classification of Diabetes Mellitus. 1984;21:130-2. [PubMed] [Google Scholar]28. Asian Pac J Trop Med. [PMC free article] [PubMed] [Google Scholar]22. Effect of a valuable extract on some blood parameters in diabetic animals. Protective effects of Annona muricata Linn.(Annonaceae) leaf aqueous extract on serum lipid profiles and oxidative stress in hepatocytes of streptozotocin-treated diabetic rats. Br J Pharmacol. Katz SR, Newman RA, Lansky EP. Maria Isabel Layson won the National Science and Technology Fair in February and competed as part of the Philippine delegation in the Intel International Science and Engineering Fair in Arizona last month. Layson's research looked into the anti-diabetic component of the fruit locally known as sarisa. Lancet. These components may be useful as a cure for diabetes. 2006;6:17. [Google Scholar]Page 2 Sugar Patients generally are scared of eating fruits due to the glucose content in it but there is one fruit which can also cure diabetes. Mol Nutr Food Res. [PMC free article] [PubMed] [Google Scholar]10. Florida, Boca Raton: CRC Press; 1990. Antioxidant activity of leaf different extracts in Punica granatum. [Google Scholar]36. Nizamutdinova IT, Jin YC, Chung JI, Shin SC, Lee SJ, Seo HG, et al. 2006;55:2115-25. [PubMed] [Google Scholar]24.

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