

عنوان مقاله:

Effect of Germinated Black Rice Krisna Extract on Fasting Blood Glucose and Body Weight in Diabetes Mellitus Rats

محل انتشار:

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خلاصه مقاله:

Background: Diabetes mellitus (DM) is a non-communicable disease that is generally associated with fasting blood glucose (FBG) level of >1YF mg/dL and weight loss. Germinated black rice krisna (GBRK) extract contains phytochemicals with antioxidant and anti-diabetic properties. The purpose of this study was to assess the impact of GBRK extract on FBG level and body weight (BW) in rat model of DM.Methods: In an in vivo pre- and post-test study Ψ۶ male Wistar rats with BW design, of ۱۵۰-۲۰۰ g were enrolled and divided into ۶ groups, including control (C), negative control (NC), GBRK ۵۳۵ mg/kg BW (PI), GBRK 1040 mg/kg. BW (PY), and GBRK YIF0 mg/kg BW (PY). Diabetes was induced using streptozotocin (STZ) and nicotinamide (NA) and the intervention period was 1F days. Measurement of FBG level was by quantitative enzymatic colorimetric test of Glucose Oxidase Phenol F-Aminoantipyrine (GOD-PAP) and body weight was determined by a digital scale. Results: The administration of GBRK extract in P1, PY, and PT groups could significantly reduce the FBG (p < 0.01). GBRK in P1, PY, and PT groups could also significantly improve the body weight to normal state too (p < ...)).Conclusion: GBRK extract at doses of ۵۳۵, 10Yo, and YIFo mg/kg BW for IF days was demonstrated to improve metabolic disorders in diabetes by reducing FBG .level and improving the BW to the normal state

کلمات کلیدی:

Germinated black rice, diabetes mellitus, Blood glucose, Body weight, Antioxidant

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