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Highlights

- Diabetes mellitus (DM) escalates knee osteoarthritic (KOA) condition
- Adverse effects of the coexistence of DM and KOA are more than in each condition
- Homeostatic mechanisms could abate the effects of the coexistence of DM and OA

Abstract

Clinical reports on the coexistence of diabetes mellitus (DM) and osteoarthritis (OA) dated back to the 1960s. Therefore, the study investigated the effects of induced DM and/or knee osteoarthritis (KOA) on known biomarkers in male Wistar rats. Twenty rats of five animals per group were induced with DM and/or knee OA using streptozotocin plus nicotinamide and sodium

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