



MEDICAL TIPS

K-MET TABLETS

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Metformin use and the risk of total knee replacement among diabetic patients: a propensity-score-matched retrospective cohort study.

Lai F.T.T et al. Scientific Reports 2022; 1151.

- Metformin has been shown to modulate meta-inflammation, an important pathogenesis in knee osteoarthritis.
- The study aimed to test the association between regular metformin use and total knee replacement in patients with diabetes.
- In a retrospective study, a total of 196,930 patients with diabetes aged ≥ 45 out of which 93,330 regular metformin users were evaluated for the incidence of total knee replacement for a four year follow up period.
- The regular metformin users showed a 19% lower hazard of total knee replacement with a dose-response relationship.

Findings suggest a potential protective effect of metformin on knee OA progression and later TKR incidence among diabetic patients.

