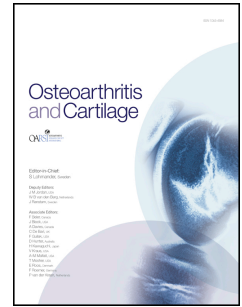


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Subchondral Tibial Bone Texture Predicts the Incidence of Radiographic Knee Osteoarthritis: Data from the Osteoarthritis Initiative

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1 Subchondral Tibial Bone Texture 2 Predicts the Incidence of Radiographic 3 Knee Osteoarthritis: Data from the 4 Osteoarthritis Initiative

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14 **Abstract**

15 **Objectives:** To evaluate whether trabecular bone texture (TBT) parameters measured on
16 computed radiographs could predict the onset of radiographic knee osteoarthritis (OA).

17 **Materials and Methods:** Subjects from the Osteoarthritis Initiative with no sign of
18 radiographic OA at baseline were included. Cases that developed either a global radiographic
19 OA defined by the Kellgren-Lawrence (KL) scale, a joint space narrowing (JSN) or tibial
20 osteophytes (TOS) were compared with the controls with no changes after 48 months of
21 follow-up. Baseline bilateral fixed flexion computed radiographs were analyzed using a

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