Rheumatology and Therapy

Self-Reported Weather Sensitivity is Associated with Clinical Symptoms and Structural Abnormalities in Patients with Knee Osteoarthritis: A Cross-Sectional Study

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Questionnaire Study location Indication Question 1: Does the weather affect the statue of vour knees? a. It has a lot of influence b. It has some effects c. No, it's not related to weather Question 2: What weather conditions Knee OA have the greatest impact on your China knees? a. When the weather gets warmer Study population Study design b. When the weather gets cold c. It's hard to say **Question 3:** Did weather changes prevent you from carrying out your normal daily activities at any time? a. Yes, once b. Yes, more often Cross-sectional c. No, never participants survey Inclusion criteria ☐ Age > 38 years □ Knee OA per ACR criteria □ KL radiological grade 2 □ VAS pain score \ge 10 mm (0 mm = no pain, 100 mm = most severe pain) Why carry out this study?

People with knee OA frequently report that their clinical symptoms — including pain, stiffness, and disability—are sensitive to weather.

OA is a **complex disease** for which subjective weather sensitivity has not been fully investigated.

> After adjusting for age, sex, and BMI, weather sensitivity was associated with: Clinical

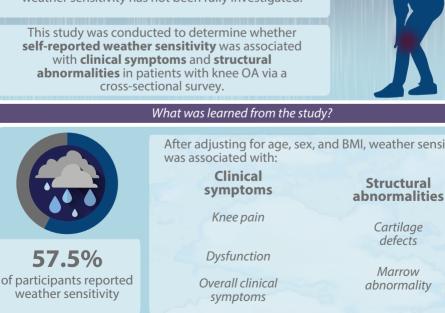
> > Cartilage defects

Marrow abnormality

A longitudinal study is warranted to determine whether causal relationships exist.

Abbreviations: OA = Osteoarthritis; ACR = American College of Rheumatology; KL = Kellgren-Lawrence; VAS = Visual analogue scale; BMI = body mass index

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