

# Smoking linked to cognitive dysfunction in fibromyalgia

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(HealthDay)—Smoking tobacco is a risk factor for cognitive dysfunction in patients with fibromyalgia (FM), according to a study presented at the 17th Annual Pain Medicine Meeting, a meeting of the American Society of Regional Anesthesia and Pain Medicine, held from Nov. 15 to 17 in San Antonio.

Ryan D'Souza, M.D., from the Mayo Clinic in Rochester, Minnesota, and colleagues surveyed 668 patients with FM to examine the correlation between [tobacco smoking](#) and cognitive function. The primary outcome of interest was cognitive function as measured by the 38-question multiple-ability self-report questionnaire (MASQ).

The researchers found that 14.07 percent of the patients self-identified as smokers. In unadjusted analysis, smoking was identified as a significant risk factor for lower total cognitive functional score and lower MASQ subscale scores in language, verbal memory, visual-spatial memory, and attention. After adjustment for age, gender, body mass index, marital status, and education level, smoking was identified as a significant risk factor for lower total cognitive functional scores and lower

MASQ subscales in language, verbal memory, visual-spatial memory, and attention. In univariate analysis adjusting for the same factors, smoking was a significant risk factor for greater FM symptom severity, worse quality-of-life measures of bodily pain and mental component scale, greater sleep problems, and increased anxiety and depression.

"In FM patients, smoking is a risk factor for [cognitive dysfunction](#)," the authors write.

"Moreover, FM patients who smoked were also more likely to report increased FM symptom severity, worse quality of life indices, worse sleep, and increased anxiety and depression."

**More information:** [Abstract No. 5832](#)  
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