Suicidal Risk and Resilience in Juvenile Fibromyalgia Syndrome: A Cross-sectional Cohort Study

Visit Article

BACKGROUND: To characterize suicidality among youth with juvenile fibromyalgia syndrome (JFMS) receiving treatment from pediatric rheumatologists at a tertiary care center in order to determine the prevalence of suicidality in JFMS and to explore risk factors for persistent suicidal ideation. METHODS: We performed a cross-sectional cohort study of children 12–17 years old with JFMS seen in a specialty pediatric rheumatology pain clinic from 7/2017–9/2019. All subjects completed patient-reported outcomes measures, complemented by retrospective chart review. Subjects who endorsed item 8 on the Children's Depression Inventory, 2nd Edition (CDI-2) were categorized as endorsing suicidal ideation. We assessed for differences between the suicidal and non-suicidal patients using Wilcoxon-rank sum test. Logistic regression modeling was performed to identify psychosocial factors associated with suicidality. RESULTS: Of the 31 subjects, more than one-quarter endorsed suicidality. Nearly 90% of teens with suicidal ideation were established in outpatient counseling. In bivariate analyses, suicidality was associated with lower resilience and greater depression and anxiety (all $p < 0.05$). Pain intensity trended towards a statistically significant positive association (OR: 1.16 [0.99–1.37]; $p = 0.06$). Lower resilience was independently associated with suicidality (OR: 0.90 [95% CI: 0.82–0.98]; $p < 0.02$). CONCLUSIONS: Suicidality was prevalent among youth with JFMS and persistent despite concurrent receipt of mental health services. Higher patient-level resilience was independently associated with a reduced odds of suicidality. Future work should examine the role of resilience training on reducing psychological distress and mitigating the risk of suicidality in JFMS.

Journal:

Pediatric Rheumatology
Authors: Gmuca S, Sonagra S, Xiao R, Miller KS, Thomas NH, Young JF, Weiss PF, Sherry DD, Gerber JS

Related Content

- Patient-proxy Agreement on Health-related Quality of Life in Juvenile Fibromyalgia Syndrome
  Article
  May 2019
- The Spectrum of Pediatric Amplified Musculoskeletal Pain Syndrome
  Article
  Oct 2020