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Article:

Almutairi, N.A., Greenwood, D.C. and Sivan, M. (Accepted: 2026) Prevalence of dysautonomia in chronic musculoskeletal pain: a cross-sectional study. Rheumatology. ISSN: 1462-0324 (In Press)

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STROBE Statement—checklist of items that should be included in reports of observational studies

	Item No	Recommendation	Reported on section
Title and abstract	1	(a) Indicate the study’s design with a commonly used term in the title or the abstract	Title; abstract
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	Abstract
Introduction			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	Introduction Paragraph 1-2
Objectives	3	State specific objectives, including any prespecified hypotheses	Introduction, final paragraph
Methods			
Study design	4	Present key elements of study design early in the paper	Abstract, methods
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Methodes, Participants
Participants	6	Cross-sectional study—Give the eligibility criteria, and the sources and methods of selection of participants	Methodes, Participants
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Methodes, Outcome measures
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	Methodes, Outcome measures
Bias	9	Describe any efforts to address potential sources of bias	Methods, discussion, limitation
Study size	10	Explain how the study size was arrived at	Methods, sample size calculation
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Methods, statistical approach
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	Methods, statistical approach
		(b) Describe any methods used to examine subgroups and interactions	Methods, statistical approach
		(c) Explain how missing data were addressed	Results
		(d) Cross-sectional study—If applicable, describe analytical methods taking account of sampling strategy	Methods, statistical approach
		(e) Describe any sensitivity analyses	Not applicable

Results			Reported on section
Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	Results, paragraph 1; figure 1
		(b) Give reasons for non-participation at each stage	Results, paragraph 1; figure 1
		(c) Consider use of a flow diagram	figure 1
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	Results; tables 1-2
		(b) Indicate number of participants with missing data for each variable of interest	Results
Outcome data	15*	<i>Cross-sectional study</i> —Report numbers of outcome events or summary measures	Results; tables 2-5
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	Results, tables 4 and 6
		(b) Report category boundaries when continuous variables were categorized	Methods; Outcome measure
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	N/A
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	Results; table 3-5
Discussion			
Key results	18	Summarise key results with reference to study objectives	Discussion; paragraph 1
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	Discussion; Limitation
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Discussion; paragraph 2-4
Generalisability	21	Discuss the generalisability (external validity) of the study results	Discussion; Limitation
Other information			
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	Funding statement