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Chiari Symptom Profile**

Availability:	Availability: To obtain more information about the Chiari Symptom Profile please contact Diane Mueller, ND, RN, FNP-BC Diane.Mueller@hcahealthcare.com ; (303) 481-0035.
Classification:	Supplemental: Chiari I Malformation (CM).
Short Description of Instrument:	The Chiari Symptom Profile (CSP) was developed in three phases. Phase I consisted of instrument development using exploratory item analysis from the literature and direct patient evaluations. The item pool was then analyzed and tested on a convenience sample of eight Chiari I Malformation patients. Interitem correlation matrix suggested redundancy of 13 questions. These items were discarded, resulting in a final questionnaire consisting of 57 items, measuring four realms: physical, functional, psychological, and social. Each domain carries equal weight. Phases II and III tested the reliability and validity of the instrument using a large sample of patients diagnosed with Chiari/syringomyelia (Mueller & Oro', 2013).
Comments / Special Instructions:	Statistical analysis confirmed that the CSP has excellent validity and reliability with a Cronbach's alpha of .958 ($p = .0001$) and factor loadings ranging from .784 to .321.
Scoring:	The CSP is comprised of 57 items that the patient rates on a Likert-type scale from 0-4, depending on the frequency/severity of the symptom. The lowest possible score is 0 (no disability); highest possible score is 228 (severe disability). A score between 0 and 60 indicates no disability, a score between 61 and 115 indicates mild disability, a score between 116 and 173 indicates moderate disability, and a score between 174 and 228 indicates severe disability.
Rationale / Justification:	A comprehensive list of symptoms of Chiari patients with disability ratings. No comparable instrument is available.
References:	Mueller DM, Oro' JJ. The Chiari Symptom Profile: development and validation of a Chiari-/syringomyelia-specific questionnaire. J Neurosci Nurs. 2013;45(4):205–210.