**Supplementary material.**

 **Table 4.** Characteristics of PROMs that assess other constructs.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Publication:****Author, year [reference]** | **Instrument** | **Acronym** | **Aim** | **Dimensions** | **Number****of items** | **Original language and adaptations** | **Studies published****last 10 years** | **Reliability** | **Validity** | **Respon­siveness** |
| 1 | Rumbaugh DM,1964 [67] | Cardiac Adjustment Scale | CAS | “to be used in predicting potential for return to work” |  | 160 | English (UK) | yes |  | Construct validity |  |
| 2 | Barnason SA,1992 [68] | Heart Disease Management Questionnaire | HDMQ | “to measure the subject's cognitive knowledge related to heart disease management” | Disease and pathophysiologyDietExercise and activitySelf-care management | 20 | English (USA) | no | Internal consistency | Content validity |  |
| 3 | Barnason SA,1992 [68] | Cardiac Surgical Patient Perceived Self-efficacy | CSPPSE | “to measure participant perception of their self-efficacy” | Functional activitiesPsychological adjustmentExerciseDietarySelf-care management | 20 | English (USA) | no | Internal consistency | Content validity |  |
| 4 | Moser DK,1995 [70] | Control Attitudes Index/Control Attitudes Scale (original and reviewed) | CAS-R | “to measure the degree to which patients feel they have control related to their cardiac disease” |  | 8 | English (USA) + 1 language | yes | Internal consistencyReproducibility | Construct validity |  |
| 5 | Hare DK,1996 [72] | Cardiac Depression Scale | CDS | “an easily administered self-rating cardiac depression scale, derived from the cardiac patients themselves, for reliable measurement of depression in the range commonly found in this particular population” |  | 26 | English (Australia) + 8 languages | yes | Internal consistencyReproducibility | Content validityCriterion validityConstruct validity | yes |
| 6 | Bennett SJ,1996 [73] | Cardiac Event Threat Questionnaire | CTQ | “to measure threat related to cardiac events” | FatigueGeneral healthDisease-specific symptomsWorkFamily | 32 | English (USA)  | yes | Internal consistencyReproducibility | Construct validity |  |
| 7 | Lerner DJ,1997 [74] | Angina-related Limitations at Work Questionnaire | ALWQ | “to measure work limitations related to angina” |  | 17 | English (USA) | no | Internal consistency | Content validityConstruct validity |  |
| 8 | Sullivan MD,1998 [75] | Cardiac self-efficacy scale | CSE | “to elucidate the role that self-efficacy plays in the translation of disease into symptoms and disability in coronary populations” | Symptoms controlFunctions maintenance | 13 | English (USA) + 1 language | yes | Internal consistency | Content validityConstruct validity |  |
| 9 | The ENRICHD Investigators,2000 [76] | Enhancing Recovery in Coronary Heart Disease social support | ENRICHD-social support | “developed for the ENRICH study by identifying items for structural, instrumental and emotional support previously found to be predictive of mortality individually in cardiovascular patients” |  | 5 or 7 | English (USA) + 1 language | yes | Internal consistencyReproducibility | Construct validity |  |
| 10 | Eifert GH,2000 [77] | Cardiac Anxiety Questionnaire | CAQ | “to measure heart-focused anxiety in persons with and without heart diseases” | FearAvoidanceAttention | 18 | English (USA) + 4 languages | yes | Internal consistencyReproducibility | Construct validity |  |
| 11 | Barnason SA,2002 [69] | Barnason Efficacy Expectation Scale | BEES | “to determine the coronary artery bypass grafting patient’s self-efficacy related to risk-related-reduction-aspect of recovery and lifestyle adjustment following surgery” |  | 15 | English (USA) + 1 language | yes | Internal consistency | Content validityConstruct validity |  |
| 12 | Di Bendetto M.,2005 [78] | Cardiac Depression Visual Analogue Scale | CDVAS | “a rapid and easy method of assessingdepressed mood in post-acute coronary population” |  | 6 | English (Australia) | yes | Internal consistencyReproducibility | Content validityConstruct validity |  |
| 13 | Young, Q-R.,2007 [79] | Screening Tool for Psychological Distress | STOP-D | “to assess psychosocial constructs: depression, anxiety, stress, anger, and social support” |  | 5 | English (Canada) | yes |  | Content validityCriterion validity |  |
| 14 | Riegel B.,2007 [71] | Acute Coronary Syndrome Response Index | ACS-RI | “a measure of patient knowledge, attitudes, and beliefs regarding acute coronary syndrome” | KnowledgeAttitudeBelief | 33 | English (Australia, New Zealand, USA) + 2 languages | yes | Internal consistency | Content validityConstruct validity |  |
| 15 | Abberger B.,2013 [80–85, 101] | Computer adaptive test for cardiac patients undergoing rehabilitation | RehaCATCardio | “an item bank for the assessment of activities of daily living, anxiety, work capacity and treatment motivation in cardiovascular rehabilitation patients” |  | Item banks | German | yes | Internal consistency | Construct validity | yes c |
| 16 | Chang CW.,2014 [86] | Perceptions of coronary heart disease scale | PCS | “to assess individuals’ perceptions of CHD” | SeriousnessRisk | 9 | Chinese | yes | Internal consistency | Content validityConstruct validity |  |
| 17 | Steca P.,2015 [87] | The Cardiovascular Management Self-efficacy Scale | CMSS | “to assess cardiovascular patients’ beliefs in their ability to manage their disease in terms of some important key areas” | Cardiac risk factorsAdherence to therapySymptom recognition | 9 | Italian + 1 language | yes | Internal consistencyReproducibility | Content validityConstruct validity |  |
| 18 | Odell A.,2017 [88] | Expectation Questionnairea | ExpQ | “to assess patient expectations and perceptions before and after the care process including coronary angiography and any subsequent treatment in individuals with suspected CHD” |  | 11 and 7 | Swedish | yes | Reproducibility | Content validityConstruct validity |  |
| 19 | Dickson VV.,2017 [89] | Self-Care of Coronary Heart Disease Inventory | SC-CHDI | “to reflect the theoretical constructs of self-care maintenance, management and confidence in stable CHD individuals” | MaintenanceManagementConfidence | 22 | English (USA) + 4 languages (v2) and English (USA) + 11 languages (v2.2) | yes | Internal consistency | Content validityConstruct validity |  |
| 20 | Jackson A.,2020 [90] | Cardiac Distress Inventoryb | CDI | “a measure of persistent psychological and emotional distress in cardiac patients” |  | - | English + 5 languages in development (Italian, Hebrew, Arabic, Farsi and Spanish.) | in development |  |  |  |

aInstrument developed for the study.

bInstrument in development (protocol published)

cDifferent forms for specific domains of the RehaCAT-Cardio item bank have been developed examining construct validity and internal consistency reliability based on Item Response Theory and, in the case of the ACAT-cardio (Anxiety in cardiovascular rehabilitation patients), also responsiveness was tested.

**Supplementary material.**

**Search strategy:** (("ischemic heart disease" OR "coronary heart disease" OR "coronary artery disease" OR angina OR "angina pectoris" OR "myocardial infarction" OR "acute coronary disease" OR "ischemic heart failure" OR "myocardial ischemia" OR "coronary disease" OR "acute coronary syndrome" OR "coronary syndrome") AND (questionnaire OR questionnaires OR instrument OR scale OR index OR “patient-reported outcome”)) AND ("quality of life" OR "perceived health" OR "health status") AND Filters: Review, Systematic Review