

Supplemental Material

Data S1. Content of LL-KardReha-DACH in its original form in German language

Table S1: LL-KardReha-DACH: Content and levels of evidence generation	
1. General information	<ul style="list-style-type: none"> - Initiation of the guideline and responsibilities - Development, methods and internal reviewing processes
2. Introduction	<ul style="list-style-type: none"> - Aims of cardiac rehabilitation - Definition of cardiac rehabilitation - Legal regulations and CR-structures in Germany, Austria and Switzerland
3. General objectives of CR	<ul style="list-style-type: none"> - Goals and conflicting goals (NER) - Cardiovascular prevention (NER) - Psychosocial goals and tasks (NER) - Social and vocational reintegration of patients (NER)
4. Indications for CR initiation and participation	<ul style="list-style-type: none"> - after acute coronary syndrome (S3) - after coronary bypass surgery (S3) - with chronic coronary syndrome (S2k) - with high CV-risk (S2k) - with chronic heart failure (S3) - after surgical or interventional valve repair (S2k) - after ICD/CRT implantation (S2k) - with ventricular assist device (S2k) - after heart transplantation (S2k) - after surgical/interventional repair of the aorta (S2k) - with chronic peripheral arterial disease (S2k) - after pulmonary embolism (S2k) - with chronic pulmonary hypertension (S2k) - after myocarditis (S2k) - adults with congenital heart disease (S2k)
5. CR-specific contents and interventions	<ul style="list-style-type: none"> - Medical supervision and nursing (S2k) - Physical exercise modalities as adapted to the individually underlying cardiovascular diseases (S2k) - Psychological interventions (S3) - Smoking cessation (S2k) - Nutrition (S2k) - Ergotherapy (S2k) - Social interventions (S2k) - Information, education and training for lifestyle changes (S2k)

6. CV risk diseases and co-morbidities	<ul style="list-style-type: none"> - Hypertension (NER) - Hyperlipidemia (NER) - Diabetes and metabolic syndrome (NER) - Adipositas (NER) - Chronic renal disease (NER) - Chronic obstructive lung disease (NER) - Orthopaedic disorders (NER) - Rheumatic diseases (NER) - Psychiatric and neurological diseases (NER)
7. Special groups of patients in CR	<ul style="list-style-type: none"> - Old and frail patients (S2k) - Young patients (S2k) - Gender specialities (S2k) - Migrants (S2k)
8. Medical aftercare, prevention programs	<ul style="list-style-type: none"> - Phase 3 programs (S2k) - Integrated ambulatory health care and disease management programs (S2k)
9. Special concepts	<ul style="list-style-type: none"> - Work related prevention programs (S2k) - Work related rehabilitation programs (S2k) - Tele-rehabilitation and home-based rehabilitation (S2k)
10.	- Evidence – based quality assurance in CR (S2k)
<p>S3 = highest level of scientific evidence based on newly performed structured reviews and meta-analyses; S2k = medium level of scientific evidence based on semi-structured literature searches and evaluation without performing meta-analyses; NER = Narrative evidence reporting based on the most actual topic-related international guidelines</p>	

Data S2. Classification of scientific evidence according to SIGN

Ref.: Scottish Intercollegiate Guidelines Network, SIGN 50, "A guideline developer's handbook". <https://www.sign.ac.uk/pdf/sign50.pdf>

LEVELS OF EVIDENCE

1 ++ High quality meta-analyses, systematic reviews of RCTs or RCTs with a very low risk of bias

1 + Well conducted meta-analyses, systematic reviews or RCTs with a low risk of bias

1 - Meta-analyses, systematic reviews or RCTs with a high risk of bias

- 2 ++ High quality systematic reviews of case control or cohort studies. High quality case control or cohort studies with a very low risk of confounding or bias and a high probability that the relationship is causal
- 2 + Well conducted case control or cohort studies with a low risk of confounding or bias and a moderate probability that the relationship is causal
- 2 - Case control or cohort studies with a high risk of confounding or bias and a significant risk that the relationship is not causal
- 3 Non-analytic studies, e.g. case reports, case series
- 4 Expert opinion