

## **Clinical protocol for Childhood Cancer Survivors at the German Heart Centre Munich**

### **Parameters:**

- Standardized medical history supported by questionnaires on quality of life and physical activity
- Anthropometrics
- Electrocardiogram (ECG)
- Clinical examination
- Echocardiography (Systolic and diastolic function; Global longitudinal strain)
- Cardio-pulmonary exercise test (CPET) (*previous resting spirometry*)
- Carotid intima-media thickness measurement (cIMT)
- Peripheral blood pressure, Central blood pressure, Pulse wave velocity
- Health-related physical fitness tests (*sport motor performance tests: curl-ups, push-ups, shoulder stretch, trunk lift, sit and reach test*)
- Laboratory profile/cardiac biomarkers  
(*including: hemoglobin, erythrocytes, hematocrit, mean corpuscular/cell volume MCV, mean corpuscular hemoglobin concentration, red blood cell distribution width, platelet, leukocyte, creatinine, glutamate pyruvate transaminase, uric acid, cholesterol, C-reactive protein, potassium, sodium, blood urea nitrogen, triglycerides, total cholesterol, low density lipoprotein cholesterol, high-density lipoprotein cholesterol, amino-terminal pro-brain natriuretic peptide, high sensitivity troponin T, creatine kinase, glutamate oxaloacetate transaminase, gamma-glutamyl transferase, lipoprotein (a), glucose, HbA1c, ferritin*)
- Magnetic resonance imaging (MRI); → stopped for the routine program in 3/2016
- Summarizing medical consultation