

## **Supplementary methods 2**

### **Article title:**

Sex-specific structural and functional cardiac remodeling during healthy aging assessed by cardiovascular magnetic resonance.

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Abbreviations:

CMR: Cardiovascular magnetic resonance

bSSFP: balanced steady-state free precession

LV: Left ventricle

RV: Right ventricle

**Supplementary methods 2 – Technical CMR sequence details:**

The analysis was performed using balanced steady-state free precession (bSSFP) CMR cine imaging acquisitions in a short-axis stack covering the whole LV and RV. Technical CMR sequence details varied as follows:

At 1.5 Tesla scanners (Avanto and AvantoFit, Siemens Healthineers, Erlangen, Germany): repetition time: 34.7 - 62 ms, echo time: 1.14 - 1.48 ms, flip angle: 70 - 80 degrees, fields of view: 255 - 308.75 x 340 - 380 mm<sup>2</sup>, matrix: 144 - 216 x 192 - 256, slice thickness and gap: 7 / 0 mm and 7 / 3 mm, 30 cardiac phases.

At 3 Tesla scanners (SkyraFit and Verio, Siemens Healthineers, Erlangen, Germany): repetition time: 3.1 - 45.78 ms, echo time: 1.3 - 1.43 ms, flip angle: 45 - 54 degrees, fields of view: 255 - 301.15 x 340 - 360 mm<sup>2</sup>, matrix: 156 - 174 x 192 - 208, slice thickness and gap: 7 / 0 mm, 6 / 0 mm and 7 / 3 mm, 30 cardiac phases.