

Table E1: Typical Protocols for Myocardial MR Perfusion Imaging at the Two Participating Centers

Setting	NIH	Charité
MR imager	1.5-T Avanto or Espree; Siemens Healthcare	1.5-T Avanto; Siemens Healthcare
MR sequence	True fast imaging with steady-state precession	Fast low-angle shot
Parameter		
Repetition time (msec)	2.3	2.2
Echo time (msec)	1.1	1.08
Acquisition window (msec)	92	77
Segments per heartbeat	Single shot (40 actual phase-encoding lines)	71
Saturation recovery inversion time (msec)	70	120
Flip angle (degrees)	50	12
Phase oversampling (%)	0	25
No. of short-axis sections	3	3
Section thickness (mm)	8	8
Section gap (%)	100	100
Field of view (mm)	360 × 270	360 × 270
Matrix	128 × 80	192 × 95
Pixel size (mm)	2.8 × 3.4	1.9 × 2.8
PAT	TPAT	iPAT (GRAPPA)
PAT factor	2	2
Contrast agent	Gadopentetate dimeglumine	Gadopentetate dimeglumine
Concentration (mmol/kg)	0.5	0.1
Flow (mL/sec)	5	4–6
Stress induction	Intravenous regadenoson	Intravenous adenosine
Infusion duration	Bolus	4 minutes 30 seconds
Dose	0.4 mg	140 µg/kg/min

Note.—GRAPPA = generalized autocalibrating partial parallel acquisition, iPAT = integrated parallel acquisition technique, NIH = National Institutes of Health, PAT – parallel acquisition technique, TPAT – temporal parallel acquisition technique.