



List of abbreviations

A

A	microvascular blood volume
AMPK	AMP-activated protein kinase
ATP	adenosine triphosphate
AUC	area under the curve

B

β	microvascular filling velocity
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C

Ca^{2+}	calcium
CABG	coronary artery bypass grafting
CD	control diet
CON	control
CPT-1	carnitine palmitoyl transferase 1
cTnI	cardiac troponin I

D

DCA	dichloroacetate
DPP4	dipeptidyl peptidase IV
DSPC	1,2-distearoyl-sn-glycero-3-phosphocholine

E

echo	echocardiography
eNOS	endothelial nitric oxide synthase
ED	end-diastole
ES	end-systole

F

FABPpm	plasma membrane fatty acid binding protein
FAC	fractional area change
FAT/CD36	fatty acid translocase / CD36
FATP	fatty acid transport protein
FS	fractional shortening

G

GIK	glucose-insulin-potassium
GLP1	glucagon-like peptide 1
GLUT	glucose transporter
GSK3 β	glycogen synthase kinase β

H

HDL	high-density lipoprotein
HFD	high fat diet

I

INS	hyperinsulinemia
IVRT	isovolumic relaxation time

L

LAD	left anterior descending coronary artery
LDL	low-density lipoprotein
LV	left ventricle / left ventricular

M

MI	mechanical index
MI	myocardial infarction
mito K ⁺ _{ATP}	mitochondrial ATP-activated potassium channel
MyBP-C	myosin binding protein-C

P

PDK4	pyruvate dehydrogenase kinase 4
PEG	polyoxyethylene stearate
PLB	phospholamban
PPAR	peroxisome proliferator-activated receptor

R

REV	reversion
RPP	rate pressure product

S

SEVO	sevoflurane
SERCA2a	sarcoplasmic reticulum calcium ATPase 2a

T

T2DM	type 2 diabetes mellitus
TCA	tricarboxylic acid
TnT	troponin T
TTC	2,3,5-triphenyl tetrazolium chloride

V

VLDL very-low-density lipoprotein

W

WD western diet

WT wall thickness

Y

Y_0 signal intensity of first frame after microbubble destruction