

Supplementary Online Content

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eTable 1. Baseline patient characteristics.

eTable 2. Heat map depicting Pearson correlation coefficients with measures of left ventricular remodeling

This supplementary material has been provided by the authors to give readers additional information about their work.

Supplemental Table 1. Baseline patient characteristics.	
Clinical Characteristics	Patients (N=44)
Age, y	81.9±8.5
Female	23 (52)
Weight, kg	82.3±27.9
Height, cm	158.8±25.7
BSA, m ²	1.8±0.3
Diabetes mellitus	16 (36)
IDDM	2 (5)
NIDDM	14 (33)
Hypertension	36 (84)
Hyperlipidemia	25 (58)
Smoking	22 (51)
Prior MI	4 (9)
Prior PCI	17 (40)
Prior CABG	10 (23)
Prior chronic kidney disease	22 (50)
Baseline creatinine	1.14±0.37
eGFR, mL/min/1.73 m ²	58.1±18.2
Echocardiographic Parameters	
LVEF, %	56.7±17.1
LVMI, g/m ²	117.3±41.4
RWT	0.53±0.14
Peak AVG, mm Hg	84.8±29.1
Mean AVG, mm Hg	50.5±18.6
AVA, cm ²	0.65±0.16
AVG, aortic valve gradient; AVA, aortic valve area; BSA, body surface area; CABG, coronary artery bypass graft surgery; eGFR, estimated glomerular filtration rate; LVEF, left ventricular ejection fraction; LVMI, left ventricular mass index; MI, myocardial infarction; PCI, percutaneous coronary intervention; RWT, relative wall thickness	

Supplemental Table 2. Heat map depicting Pearson correlation coefficients with measures of left ventricular remodeling.

	LVMl	LVEF	RWT
C18:1 oleoylcarnitine	0.59981	-0.31375	0.18957
C18 stearoylcarnitine	0.50502	-0.12632	0.2925
C16 palmitoylcarnitine	0.44128	-0.13696	0.26548
C18:2 linoleylcarnitine	0.40693	-0.402	0.07727
C26 hexacosanylcarnitine	0.37528	0.09572	0.38918
xanthine	0.33539	-0.25964	0.06703
choline	0.33289	-0.42621	-0.10768
C6 hexanoylcarnitine	0.32093	-0.10686	0.29697
hydroxyanthranilic acid	0.30499	-0.06693	0.28972
lysine	0.28782	-0.07789	0.10649
glutamine	0.27102	-0.06949	0.10286
betaine	0.26591	-0.22331	0.0588
cobalamin	0.24953	-0.16202	0.01198
C9 nonanoylcarnitine	0.24714	0.02356	0.16648
C14 myristoylcarnitine	0.24082	0.06115	0.29528
C2 acetylcarnitine	0.22957	-0.07206	0.21911
citrulline	0.21577	-0.14228	0.07782
methionine	0.21374	-0.09164	0.10923
cytidine	0.21133	-0.25007	-0.26798
cysteamine	0.2113	0.08783	0.25372
C12 lauroylcarnitine	0.206	0.06918	0.37563
thiamine	0.20274	-0.03232	0.15376
kynurenine	0.20005	-0.46668	-0.32499
C7 heptanoylcarnitine	0.19622	0.06818	0.22376
C10 decanoylcarnitine	0.1958	-0.03135	0.1687
ornithine	0.18776	0.07028	0.22066
aminoisobutyric acid	0.18424	-0.37995	-0.13397
C5 isovalerylcarnitine	0.18314	0.0847	0.37866
C8 octanoylcarnitine	0.17662	-0.10669	0.09375
trimethylamine-N-oxide	0.17396	-0.05045	0.29162
niacinamide	0.16983	-0.08339	0.19936
glycerol	0.16872	-0.04235	0.12364
phosphoethanolamine	0.16746	-0.0616	0.18735
histidine	0.15627	0.09622	0.21854
spermidine	0.14911	-0.11045	0.12964
kynurenic acid	0.14784	-0.17257	-0.09917
thyroxine	0.14529	0.05197	0.20838
uridine	0.14222	-0.13258	0.2434
tyrosine	0.13651	-0.18882	-0.03577
alpha_glycerophosphocholine	0.13643	0.0031	0.128
asparagine	0.13267	0.01956	0.15652
phenylalanine	0.13087	-0.24593	0.01305
adenosylhomocysteine	0.12958	-0.22635	-0.16705

glucose	0.12906	-0.133	-0.07854
acetylcholine	0.12093	-0.02106	0.15946
C3 propionylcarnitine	0.11964	-0.07648	0.11718
tryptophan	0.10825	-0.28303	-0.21583
anserine	0.1082	-0.03092	0.27572
creatinine	0.10746	-0.19772	-0.08689
proline	0.10623	0.11574	0.12005
cystamine	0.10535	-0.0035	0.11292
C4 butyrylcarnitines	0.10476	-0.09755	0.26559
xanthurenate	0.09597	-0.27498	-0.18268
glycine	0.09124	0.05574	-0.12788
cystine	0.09094	0.14916	0.32085
taurine	0.08703	-0.20052	0.0143
carnitine	0.0852	-0.06796	0.02252
C3DC malonylcarnitine	0.083	-0.03298	0.14064
beta_alanine	0.08221	0.1121	0.20859
alanine	0.08182	0.15815	0.27021
serine	0.08126	0.21422	0.07706
threonine	0.0774	0.03731	0.01726
cis/trans hydroxyproline	0.06775	-0.072	-0.01375
creatine	0.0659	-0.07147	0.04665
anthranilic acid	0.05712	-0.23145	-0.09777
isoleucine	0.05318	-0.00067	0.02583
anandamide	0.05218	-0.24474	0.10838
C5 glutarylcarnitine	0.04598	0.06004	0.12652
phosphocholine	0.03502	-0.15232	-0.14303
ADMA/SDMA	0.03319	-0.26372	-0.08421
C4 methylmalonylcarnitine	0.03281	-0.16034	0.0653
thymidine	0.03225	0.03154	0.05301
arginosuccinate	0.02112	0.21244	0.06152
adenosine	0.01905	-0.19492	-0.08494
arginine	0.01802	0.14692	0.1465
5-hydroxyindoleacetic acid	0.00433	0.02236	0.12677
aspartate	-0.00504	0.0833	0.12437
homocysteine	-0.01473	-0.00147	0.03308
dimethyl-2-oxoglutarate	-0.01517	-0.11352	-0.03436
GABA	-0.02122	-0.32218	-0.37483
NMMA	-0.0263	0.08696	0.06276
xanthosine	-0.03206	-0.20602	-0.03361
valine	-0.09073	0.11796	0.06162
leucine	-0.09435	0.04258	-0.07063
methionine sulfoximine	-0.14308	-0.02359	-0.17099
glutamate	-0.18078	0.10582	0.10764

ADMA/SDMA, asymmetric and symmetric dimethylarginine; GABA, gamma-aminobutyric acid; LVEF, left ventricular ejection fraction; LVMI, left ventricular mass index; NMMA, N-methyl-L-arginine; RWT, relative wall thickness