Supplementary Table 1. Clinical characteristics of the 20 study participants who completed the 12-week study prior to NMN supplementation, Related to Table 1.

	Placebo Mean±SD (10)	NMN Mean±SD (10)	Between group p-value
Age (year)	70.1±5.6	69.8±2.6	0.520 ^b
BMI (kg/m²)	24.8±1.2	23.7±1.3	0.063 ^a
Fat Mass (%)	26.8±4.4	25.1±3.2	0.343a
SMI (kg/m²)	7.79±0.44	7.65±0.39	0.459ª
Gait Speed (m/s)	1.31±0.19	1.50±0.20	0.041 ^{a*}
A 30-s Chair-Stand Test (Counts/30s)	13.5±5.2	14.8±4.0	0.539ª
Right hand grip strength (kg)	36.0±7.1	40.1±3.2	0.147 ^b
Left hand grip strength (kg)	34.8±4.8	36.1±5.6	0.587 ^a
HbA1c (%)	5.74±0.32	5.85±0.58	0.939 ^b
FBG (mg/dL)	94.4±7.8	99.0±9.0	0.236a
HOMA-IR	1.08±0.38	1.35±0.79	0.684 ^b
CT L/S ratio	1.15±0.11	1.15±0.12	0.943 ^a
Visceral adipose tissue (cm²)	126.3±38.1	129.3±45.8	0.874 ^a

The mean and standard deviation of data from 20 participants (from the NMN group (n = 10) and placebo group (n = 10)) are presented.

a. Inter-group comparisons were performed using an unpaired t-test.

b. Inter-group comparisons were performed using the Mann–Whitney *U* test.

^{*}P<0.05

Supplementary Table 2. The effect of NMN on clinical laboratory data (hematology and CRP).

	Placebo Mean±SD	NMN Mean±SD	p-value		Placebo Mean±SD	NMN Mean±SD	p-value
WBC (x10³counts/µL	.)		RBC (x10 ³ counts/µL)				
Baseline	6.96±1.34 (21) 6.86±1.40 (10)	6.13±1.48 (21) 5.60±1.32 (10)	0.019 ^{b*} (21:21) 0.069 ^b (10:10)	Baseline	476.4±33.4 (21) 479.4±30.8 (10)	490.6±35.6 (21) 481.7±34.9 (10)	0.190 ^a (21:21) 0.878 ^a (10:10)
Week 12	5.61±0.78 (10)	4.85±0.87 (10)	0.054a (10:10)	Week 12	462.6±28.2 (10)	464.6±30.9 (10)	0.882a (10:10)
Change from Baseline to Week 12	-1.25±0.87 (10)	-0.75±1.20 (10)	0.416° (10:10)	Change from Baseline to Week 12	-16.8±19.7 (10)	-17.1±14.1 (10)	0.974° (10:10)
Platelet (x10 ⁴ counts/	μL)		Hemoglobin (g/dL)				
Baseline	22.8±5.8 (21) 23.0±6.9 (10)	23.0±5.5 (21) 23.2±5.1 (10)	0.850 ^b (21:21) 0.942 ^a (10:10)	Baseline	14.7±0.9 (21) 14.8±0.8 (10)	15.2±0.9 (21) 15.1±0.7 (10)	0.091a (21:21). 0.424a (10:10)
Week 12	23.3±5.8 (10)	22.2±2.9 (10)	0.606a (10:10)	Week 12	14.4±0.5 (10)	14.5±0.7 (10)	0.555a (10:10)
Change from Baseline to Week 12	0.3±1.9 (10)	-1.0±3.0 (10)	0.272ª (10:10)	Change from Baseline to Week 12	-0.4±0.6 (10)	-0.6±0.3 (10)	0.963° (10:10)
CRP (mg/dL)				Hematocrit (%)			
Baseline	0.115±0.162 (21) 0.069±0.053 (10)	0.070± 0.059 (21) 0.043±0.023 (10)	0.569 ^b (21:21) 0.169 ^a (10:10)	Baseline	43.8±2.3 (21) 43.8±2.0 (10)	44.8±2.6 (21) 44.4±2.5 (10)	0.170 ^a (21:21) 0.533 ^a (10:10)
Week 12	0.231±0.506 (10)	0.086±0.106 (10)	0.760 ^b (10:10)	Week 12	43.0±1.5 (10)	43.0±2.1 (10)	0.990 ^a (10:10)
Change from Baseline to Week 12	0.162±0.516 (10)	0.043±0.104 (10)	0.344° (10:10)	Change from Baseline to Week 12	-0.8±1.8 (10)	-1.4±1.3 (10)	0.558° (10:10)

a. Inter-group comparisons were performed using an unpaired t-test. (no adjustment for baseline).

b. Inter-group comparisons were performed using the Mann–Whitney *U* test. (no adjustment for baseline).

c. Inter-group comparisons were performed using ANCOVA for adjusting the baseline

^{*}P<0.05; **P<0.01; ***P<0.001

Supplementary Table 3. The effect of NMN on clinical laboratory data (blood chemistry).

	Placebo Mean±SD	NMN Mean±SD	p-value		Placebo Mean±SD	NMN Mean±SD	p-value
TP (g/dL)				BUN (mg/dL)			
Baseline	7.31±0.38 (21) 7.32±0.40 (10)	7.46±0.31 (21) 7.49±0.34 (10)	0.191 ^a (21:21) 0.318 ^a (10:10)	Baseline	14.1±3.07 (21) 13.9±3.24 (10)	15.1±2.56 (21) 14.6±3.18 (10)	0.241a (21:21) 0.627a (10:10)
Week 12	6.90±0.29 (10)	6.98±0.34 (10)	0.576a (10:10)	Week 12	13.9±1.92 (10)	13.4±2.49 (10)	0.670 ^a (10:10)
Change from Baseline to Week 12	-0.42±0.27 (10)	-0.51±0.22 (10)	0.779° (10:10)	Change from Baseline to Week 12	-0.0±2.72 (10)	-1.2±2.42 (10)	0.388° (10:10)
Albumin (g/dL)				Creatinine (mg/d	L)		
Baseline	4.30±0.23 (21) 4.31±0.21 (10)	4.38±0.22 (21) 4.45±0.24 (10)	0.244 ^a (21:21) 0.182 ^a (10:10)	Baseline	0.913±0.12 (21) 0.928±0.14 (10)	0.900±0.14 (21) 0.865±0.15 (10)	0.687 ^a (21:21) 0.344 ^a (10:10)
Week 12	4.05±0.17 (10)	4.19±0.17 (10)	0.086a (10:10)	Week 12	0.950±0.16 (10)	0.870±0.16 (10)	0.253a (10:10)
Change from Baseline to Week 12	-0.26±0.13 (10)	-0.26±0.16 (10)	0.294° (10:10)	Change from Baseline to Week 12	0.021±0.05 (10)	0.000±0.03 (10)	0.372° (10:10)
AST (U/L)				Uric acid (mg/dL))		
Baseline	19.6±4.8 (21) 19.7±5.0 (10)	21.8±4.3 (21) 22.4±4.2 (10)	0.073 ^b (21:21) 0.210 ^a (10:10)	Baseline	6.00±1.26 (21) 6.03±1.14 (10)	5.36±1.01 (21) 5.50±1.04 (10)	0.078 ^a (21:21) 0.292 ^a (10:10)
Week 12	20.1±4.5 (10)	23.8±6.3 (10)	0.148a (10:10)	Week 12	6.14±1.09 (10)	5.56±1.24 (10)	0.282a (10:10)
Change from Baseline to Week 12	0.4±2.9 (10)	1.4±4.7 (10)	0.448° (10:10)	Change from Baseline to Week 12	0.11±0.68 (10)	0.06±0.56 (10)	0.744° (10:10)
ALT (U/L)				Na (mEq/L)			
Baseline	18.0±7.7 (21) 18.7±10.2 (10)	21.7±8.6 (21) 21.8 ±7.0 (10)	0.073 ^b (21:21) 0.139 ^b (10:10)	Baseline	140.3±1.15 (21) 140.0±1.25 (10)	139.8±1.44 (21) 140.3±1.64 (10)	0.268 ^b (21:21) 0.650 ^a (10:10)
Week 12	19.1±7.4 (10)	23.6±7.6 (10)	0.197a (10:10)	Week 12	140.1±1.37 (10)	139.9±1.37 (10)	0.748a (10:10)
Change from Baseline to Week12	0.4±6.2 (10)	1.8±5.7 (10)	0.300° (10:10)	Change from Baseline to Week 12	0.1±0.88 (10)	-0.4±1.26 (10)	0.387° (10:10)
γGTP (U/L)				K (mEq/L)			
Baseline	32.4±17.2 (21) 31.0±18.9 (10)	31.4±16.7 (21) 37.1±16.6 (10)	0.840 ^b (21:21) 0.384 ^b (10:10)	Baseline	4.28±0.30 (21) 4.26±0.17 (10)	4.22±0.27 (21) 4.16±0.28 (10)	0.484 ^a (21:21) 0.343 ^a (10:10)
Week 12	36.5±32.0 (10)	36.7±13.0 (10)	0.344 ^b (10:10)	Week 12	4.34±0.18 (10)	4.31±0.37 (10)	0.821a (10:10)
Change from Baseline to Week 12	5.5±29.9 (10)	-0.4±6.8 (10)	0.685° (10:10)	Change from Baseline to Week 12	0.08±0.24 (10)	0.15±0.31 (10)	0.822° (10:10)

a. Inter-group comparisons were performed using an unpaired t-test (no adjustment for baseline).

b. Inter-group comparisons were performed using the Mann–Whitney *U* test (no adjustment for baseline).

c. Inter-group comparisons were performed using ANCOVA for adjusting the baseline

Supplementary Table 4.

The effect of NMN on whole blood NAD+ and NAD+-related metabolite levels, Related to Figure 2.

A. Baseline

	Placebo Mean±SD (n)	NMN Mean±SD (n)	Between group p-value
NMN (µM)	0.0761±0.0180 (21)	0.0750±0.0114 (21)	0.746 ^b (21:21)
	0.0768±0.0216 (10)	0.0795±0.0102 (10)	0.721 ^a (10:10)
NAD+ (µM)	0.208±0.081 (21)	0.189±0.066 (21)	0.419 ^a (21:21)
	0.194±0.081 (10)	0.176±0.063 (10)	0.588 ^a (10:10)
NR (µM)	0.0329±0.0115 (21)	0.0344±0.0123 (21)	0.672 ^b (21:21)
	0.0291±0.0036 (10)	0.0393±0.0152 (10)	0.105 ^b (10:10)
ΝΑΜΝ (μΜ)	0.052±0.049 (21)	0.091±0.127 (21)	0.940 ^b (21:21)
	0.043±0.011 (10)	0.150±0.168 (10)	0.247 ^b (10:10)
NAR (μM)	0.00073±0.00025 (21)	0.00102±0.00071(21)	0.330 ^b (21:21)
	0.00066±0.00014 (10)	0.00141±0.00088 (10)	0.009 ^{b**} (10:10)
NA (μM)	0.00464±0.00166 (21)	0.00560±0.00306 (21)	0.294 ^b (21:21)
	0.00386±0.00100(10)	0.00689±0.00381 (10)	0.012 ^b * (10:10)
NAM (µM)	15.5±2.7 (21)	17.5±3.2 (21)	0.036 ^{a*} (21:21)
	15.9±2.6 (10)	17.8±3.4 (10)	0.165 ^a (10:10)

B. 12-week visit

	Placebo Mean±SD (n)	NMN Mean±SD (n)	Between group p-value
NMN (µM)	0.105±0.013 (10)	0.127±0.019 (10)	0.006 ^{a**} (10:10)
NAD+ (μM)	0.53±0.12 (10)	1.07±0.16 (10)	<0.001 ^{a***} (10:10)
NR (µM)	0.0308±0.0088 (10)	0.0549±0.0241 (10)	0.002 ^{b**} (10:10)
NAMN (µM)	0.05±0.03 (10)	3.51±1.86 (10)	<0.001 ^{b***} (10:10)
NAR (µM)	0.00073±0.00016 (10)	0.00940±0.00464 (10)	<0.001b*** (10:10)
ΝΑ (μΜ)	0.00684±0.00168 (10)	0.00974±0.00129 (10)	<0.001 ^{a***} (10:10)
NAM (µM)	10.6±1.6 (10)	13.4±2.4 (10)	0.006 ^{a**} (10:10)

The numbers in the parentheses indicate the respective sample sizes.

NMN: nicotinamide mononucleotide, NAD+: nicotinamide adenine dinucleotide, NR: nicotinamide riboside, NAMN: nicotinic acid mononucleotide, NAR: nicotinic acid riboside, NA: nicotinic acid , NAM: nicotinamide

a. Inter-group comparisons were performed using an unpaired t-test.

b. Inter-group comparisons were performed using the Mann–Whitney *U* test.

^{*}P<0.05; **P<0.01; ***P<0.001

Supplementary Table 5. NMN supplementation does not affect metabolic parameters, Related to Figure 3.

	Placebo Mean±SD	NMN Mean±SD	p-value		Placebo Mean±SD	NMN Mean±SD	p-value
Triglycerides (m	g/dL)			HDL Cholesterol	(mg/dL)		
Baseline	114.6±49.5 (21) 102.2±44.9 (10)	116.5±42.4 (21) 116.7±36.8 (10)	0.897 ^a (21:21) 0.440 ^a (10:10)	Baseline	62.8±14.1 (21) 61.1±15.2 (10)	61.6±17.4 (21) 67.3±17.9 (10)	0.803 ^a (21:21) 0.422 ^a (10:10)
Week 12	82.4±36.8 (10)	107.6±37.0 (10)	0.045b* (10:10)	Week 12	58.7±15.2 (10)	62.1±16.4 (10)	0.635 ^a (10:10)
Change from Baseline to Week 12	-19.8± 26.3 (10)	-9.1±14.2 (10)	0.133° (10:10)	Change from Baseline to Week 12	-2.5±4.2 (10)	-5.2±3.9 (10)	0.233° (10:10)
LDL Cholesterol (mg/dL)			Interleukin-6 (pg/mL)				
Baseline	134.4±26.5 (21) 132.2±18.0 (10)	125.7±36.8 (21) 125.4±32.3 (10)	0.386 ^a (21:21) 0.568 ^a (10:10)	Baseline	1.66±0.62 (21) 1.78±0.68 (10)	1.29±0.75 (21) 0.90±0.37 (10)	0.031 ^{b*} (21:21) <0.001 ^{b***} (10:10)
Week 12	121.8±17.0 (10)	109.0±36.8 (10)	0.331ª (10:10)	Week 12	1.50±0.62 (10)	1.39±0.81 (10)	0.403 ^b (10:10)
Change from Baseline to Week 12	-10.4±14.5 (10)	-16.4±10.3 (10)	0.311° (10:10)	Change from Baseline to Week 12	-0.28±0.94 (10)	0.49±0.67 (10)	0.762° (10:10)
Adiponectin (µg/	/mL)						
Baseline	8.59±2.70 (21) 8.97±2.90 (10)	8.95±4.91 (21) 8.32±3.59 (10)	0.458 ^b (21:21) 0.661 ^a (10:10)				
Week 12	8.76±2.93 (10)	8.35±3.50 (10)	0.780a (10:10)				
Change from Baseline to Week 12	-0.21±0.87 (10)	0.03±1.15 (10)	0.669° (10:10)				

a. Inter-group comparisons were performed using an unpaired t-test (no adjustment for baseline).

b. Inter-group comparisons were performed using the Mann–Whitney *U* test (no adjustment for baseline).

c. Inter-group comparisons were performed using ANCOVA for adjusting the baseline

^{*}P<0.05

Supplementary Table 6. The effect of NMN on auditory and cognitive functions

	Placebo Mean±SD	NMN Mean±SD	p-value		Placebo Mean±SD	NMN Mean±SD	p-value
Hearing Testing	(Right/dB) p= 0.054 ^b		Hearing Testing (Left/dB) p=0.636 b				
Baseline	23.8±12.2 (21) 18.1±9.7 (10)	27.2±14.0 (21) 25.9±10.0 (10)	0.512 ^d (21:21) 0.095 ^c (10:10)	Baseline	21.6±8.6 (21) 18.2±9.2 (10)	30.9±16.6 (21) 30.4±14.5 (10)	0.072 ^d . (21:21) 0.045 ^{d*} (10:10)
Week 6	24.6±13.0 (21) 19.3±9.6 (10)	27.6±14.3 (21) 26.2±10.5 (10)	0.504 ^d (21:21) 0.146° (10:10)	Week 6	21.9±9.1 (21) 18.8±10.0 (10)	31.5±16.6 (21) 29.9±13.6 (10)	0.051 ^d . (21:21) 0.045 ^{d*} (10:10)
Week 12	20.3±10.2 (10)	25.8±9.6 (10)	0.229° (10:10)	Week 12	19.3±9.0 (10)	31.0±13.5 (10)	0.019 ^{d*} (10:10)
Change from Baseline to Week 6	0.8±2.7 (21)	0.4±3.1 (21)	0.610° (21:21) 0.574° (10:10)	Change from Baseline to Week 6	0.3±3.8 (21) 0.6±2.3 (10)	0.7±3.9 (21) -0.5±4.6 (10)	0.617 ^e (21:21) 0.820 ^e (10:10)
Change from Baseline to Week 12	2.1±2.7 (10)	-0.1±2.2 (10)	0.117 ^e (10:10)	Change from Baseline to Week 12	1.1± 2.4 (10)	0.6±3.0 (10)	0.766 ^e (10:10)
MMSE-J (score)				MOCA-J (score)			
Baseline	27.9±1.64 (21) 27.9±0.88 (10)	27.9±2.15 (21) 28.3±1.49 (10)	0.768 ^d (21:21) 0.475 ^c (10:10)	Baseline	24.9±2.49 (21) 25.7±1.49 (10)	24.9±2.43 (21) 25.7±2.54 (10)	1.000° (21:21) 1.000° (10:10)
Week 12	28.9±1.10 (10)	28.3±1.64 (10)	0.401 ^d (10:10)	Week 12	26.0±2.00 (10)	26.2±1.48 (10)	0.802° (10:10)
Change from Baseline to Week 12	1.0±1.33 (10)	0.0±1.63 (10)	0.227 ^e (10:10)	Change from Baseline to Week 12	0.3±2.11 (10)	0.5±2.27 (10)	0.794° (10:10)

- a. Treatment was compared using a mixed model analysis. The p-value denotes interaction.
- b. Treatment was compared using MMRM. p-value denotes interaction.
- c. Inter-group comparisons were performed using an unpaired t-test (no adjustment for baseline).
- d. Inter-group comparisons were performed using the Mann–Whitney *U* test (no adjustment for baseline).
- e. Inter-group comparisons were performed using ANCOVA for adjusting the baseline.

^{*}P<0.05

Supplementary Table 7. The effect of NMN on BMI and vascular function

	Placebo Mean±SD	NMN Mean±SD	p-value		Placebo Mean±SD	NMN Mean±SD	p-value
BMI (kg/m2) p=0	0.341a, p=0.851b		Systolic Blood Pressure (m		ressure (mmHg) p=0.982	re (mmHg) p=0.982a, p=0.438b	
Baseline	24.5±1.4 (21) 24.8±1.2(10)	24.1±1.4 (21) 23.7±1.3(10)	0.283 ^d (21:21) 0.063 ^c (10:10)	Baseline	130.7±19.8 (21) 127.0±18.2 (10)	129.5±15.3 (21) 135.9±18.9(10)	0.950 ^d (21:21) 0.298 ^c (10:10)
Week 6	24.4±1.3 (21) 24.7±1.2 (10)	24.0±1.4 (21) 23.6± 1.2(10)	0.283 ^d (21:21) 0.044 ^c (10:10)	Week 6	126.1±19.4 (21) 125.2±21.3 (10)	129.2±16.1 (21) 136.5±20.0 (10)	0.577° (21:21) 0.237° (10:10)
Week 12	24.6±1.2 (10)	23.5±1.2 (10)	0.664° (10:10)	Week 12	128.8±20.5 (10)	131.7±25.1 (10)	0.781° (10:10)
Change from Baseline to Week 6	-0.1±0.3 (21) -0.1±0.3(10)	-0.1±0.2 (21) -0.1±0.3 (10)	0.752e (21:21) 0.377e (10:10)	Change from Baseline to Week 6	-4.6±12.0 (21) -1.8±10.5 (10)	-0.2±7.8 (21) 0.6 ±7.2 (10)	0.182e (21:21) 0.584e (10:10)
Change from Baseline to Week 12	-0.3±0.4 (10)	-0.3±0.45 (10)	0.830e (10:10)	Change from Baseline to Week 12	1.8±13.0 (10)	-4.2±13.0 (10)	0.333° (10:10)
Flow Mediated D	Dilation (%) p=0.839b			Diastolic blood pressure(mmHg) p=0.306b			
Baseline	4.00±1.56 (21) 3.97±1.91 (10)	4.09±1.52 (21) 4.10±1.32 (10)	0.850° (21:21) 0.861° (10:10)	Baseline	79.9±9.4 (21) 81.2±10.9(10)	81.3±11.8 (21) 85.2±13.6 (10)	0.632 ^d (21:21) 0.477 ^c (10:10)
Week 6	3.80±1.93 (21) 4.01±2.53 (10)	3.84±1.79 (21) 3.25±1.76 (10)	0.941° (21:21) 0.446° (10:10)	Week 6	81.4±12.2 (21) 80.8±11.9 (10)	82.6±11.2 (21) 86.9±12.7 (10)	0.744° (21:21) 0.283° (10:10)
Week 12	3.77±1.38 (10)	3.85±1.35 (10)	0.897° (10:10)	Week 12	81.2±8.9 (10)	81.7±11.0 (10)	0.912° (10:10)
Change from Baseline to Week 6	-0.20±1.46 (21) 0.04±1.72 (10)	-0.24±2.25 (21) -0.85±1.91 (10)	0.936° (21:21) 0.308° (10:10)	Change from Baseline to Week 6	1.5±7.3 (21) -0.4±4.9 (10)	1.3±4.6 (21) 1.7±4.6 (10)	0.955° (21:21) 0.287° (10:10)
Change from Baseline to Week 12	-0.20±2.10 (10)	-0.25±1.72 (10)	0.925 ^e (10:10)	Change from Baseline to Week 12	0.0±6.6 (10)	-3.5±8.1 (10)	0.464 ^e (10:10)

- a. Treatment was compared using a mixed model analysis. The p-value denotes interaction.
- b. Treatment was compared using MMRM. The p-value denotes interaction.
- c. Inter-group comparisons were performed using an unpaired t-test (no adjustment for baseline).
- d. Inter-group comparisons were performed using the Mann–Whitney *U* test (no adjustment for baseline).
- e. Inter-group comparisons were performed using ANCOVA for adjusting the baseline.

Supplementary Table 1. Clinical characteristics of the 20 study participants who completed the 12-week study prior to NMN supplementation, Related to Table 1.

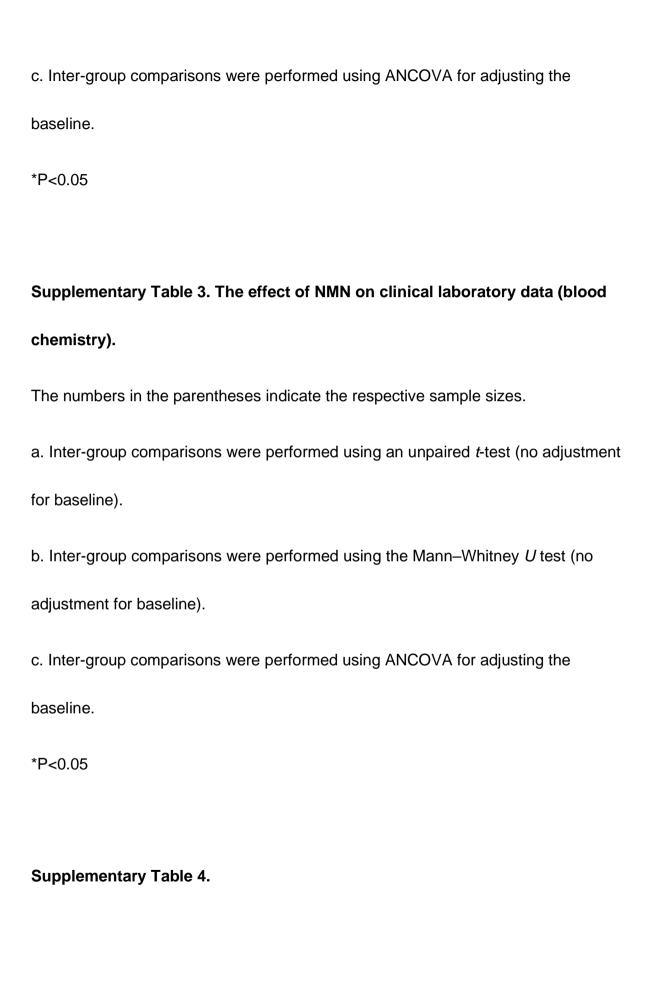
The mean and standard deviation of data from 20 participants (from the NMN group (n = 10) and placebo group (n = 10)) are presented.

- a. Inter-group comparisons were performed using an unpaired *t*-test.
- b. Inter-group comparisons were performed using the Mann–Whitney *U* test.

*P<0.05

Supplementary Table 2. The effect of NMN on clinical laboratory data (hematology and CRP).

- a. Inter-group comparisons were performed using an unpaired *t*-test (no adjustment for baseline).
- b. Inter-group comparisons were performed using the Mann–Whitney U test (no adjustment for baseline).



The effect of NMN on whole blood NAD+ and NAD+-related metabolite levels, Related to Figure 2.

The numbers in the parentheses indicate the respective sample sizes.

NMN: nicotinamide mononucleotide, NAD+: nicotinamide adenine dinucleotide, NR: nicotinamide riboside, NAMN: nicotinic acid mononucleotide, NAR: nicotinic acid riboside, NA: nicotinic acid. NAM: nicotinamide

- a. Inter-group comparisons were performed using an unpaired *t*-test.
- b. Inter-group comparisons were performed using the Mann–Whitney *U* test.

*P<0.05; **P<0.01; ***P<0.001

Supplementary Table 5. NMN supplementation does not affect metabolic parameters, Related to Figure 3.

The numbers in the parentheses indicate the respective sample sizes.

a. Inter-group comparisons were performed using an unpaired *t*-test (no adjustment for baseline).

- b. Inter-group comparisons were performed using the Mann–Whitney U test (no adjustment for baseline).
- c. Inter-group comparisons were performed using ANCOVA for adjusting the baseline.

*P<0.05

Supplementary Table 6. The effect of NMN on auditory and cognitive functions.

- a. Treatment was compared using a mixed model analysis. The p-value denotes interaction.
- b. Treatment was compared using MMRM. The p-value denotes interaction.
- c. Inter-group comparisons were performed using an unpaired *t*-test (no adjustment for baseline).
- d. Inter-group comparisons were performed using the Mann–Whitney U test (no adjustment for baseline).
- e. Inter-group comparisons were performed using ANCOVA for adjusting the baseline.

Supplementary Table 7. The effect of NMN on vascular function.

- a. Treatment was compared using a mixed model analysis. The p-value denotes interaction.
- b. Treatment was compared using MMRM. The p-value denotes interaction.
- c. Inter-group comparisons were performed using an unpaired *t*-test (no adjustment for baseline).
- d. Inter-group comparisons were performed using the Mann–Whitney \boldsymbol{U} test (no adjustment for baseline).
- e. Inter-group comparisons were performed using ANCOVA for adjusting the baseline.