

Supporting Information

Atherosclerotic patients with diabetes mellitus may break through the threshold of healthy TMAO levels formed by long-term statins therapy

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S1. Spearman correlation between subjects' TMAO level and TIMI flow grade.

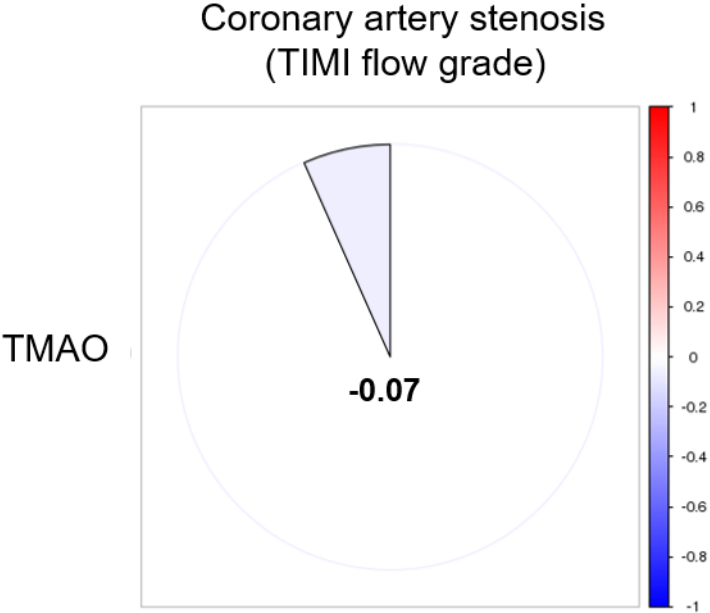


Figure S1. Spearman correlation between subjects' TMAO level and TIMI flow grade.

S2. Pearson correlation between diabetic subjects' TMAO level and diabetes biomarkers.

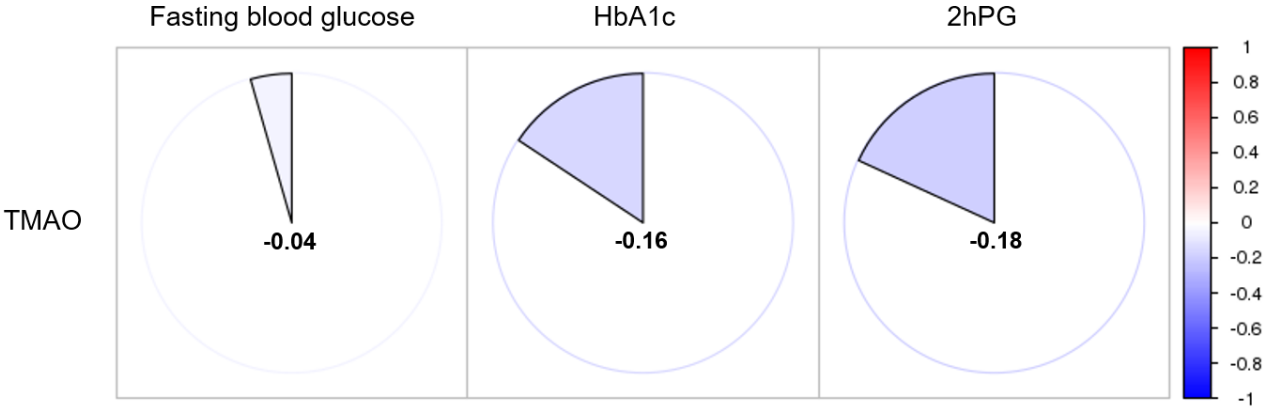
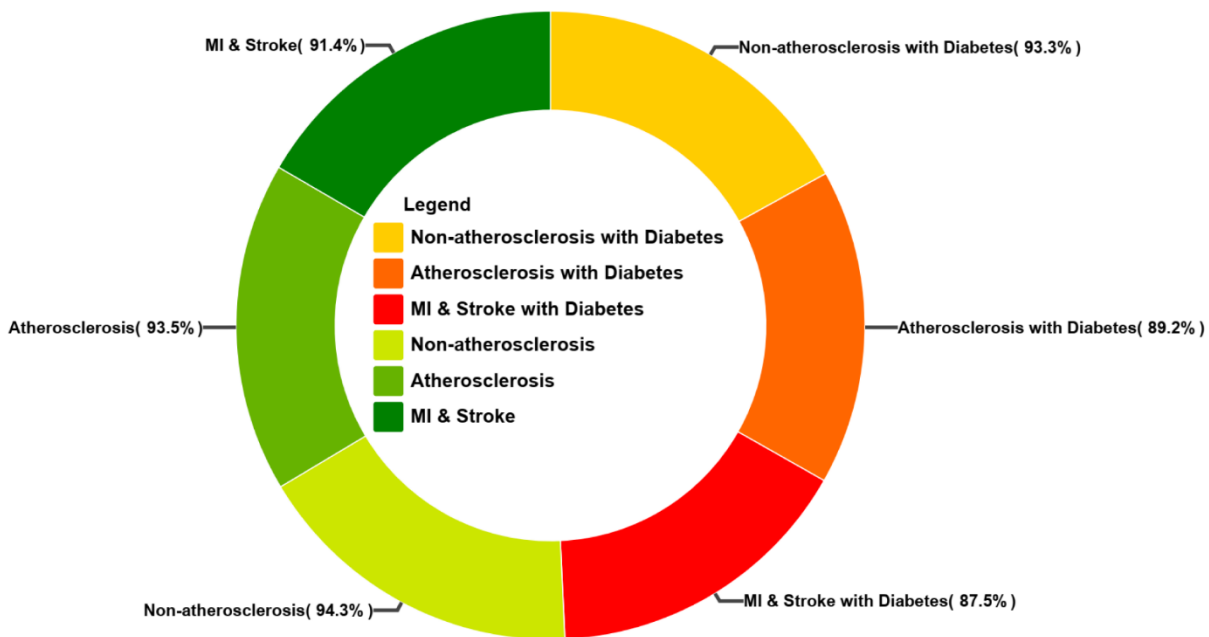


Figure S2. Pearson correlation between subjects' TMAO level and diabetes biomarkers.

S3. Prevalence of statin use in different subgroups of patients.

(A)



(B)

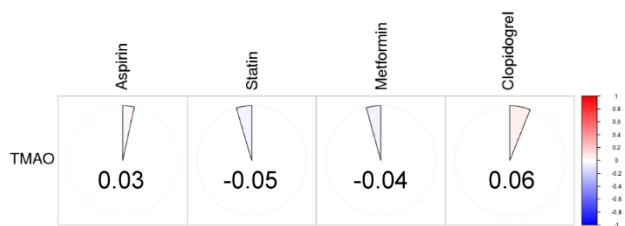


Figure S3. (A) Prevalence of statin use in 6 subgroups of patients. (B) Spearman correlation between subjects' TMAO level and their medication regimen.

S4. Medication regimen of patient subjects.

Table S1. Medication regimen of non-atherosclerosis controls, atherosclerosis patients and MI & stroke patients.

Patients	Aspirin* (1=Yes, 2=No)	Statins* (1=Yes, 2=No)	Metformin* (1=Yes, 2=No)	Clopidogrel* (1=Yes, 2=No)
Patient 20	1	1	1	1
Patient 21	1	1	2	1
Patient 22	1	1	2	1
Patient 23	1	1	2	2
Patient 24	1	1	1	1
Patient 25	1	1	2	2
Patient 26	1	1	2	1
Patient 27	1	1	2	2
Patient 28	1	1	2	1
Patient 29	1	1	2	1
Patient 30	1	1	2	1
Patient 31	1	1	2	1
Patient 32	1	1	2	1
Patient 33	1	1	2	1
Patient 34	1	1	2	1
Patient 35	2	2	2	2
Patient 36	1	1	2	1
Patient 37	1	1	2	2
Patient 38	1	1	2	2
Patient 39	1	1	1	2
Patient 40	1	1	2	1
Patient 41	1	1	2	1
Patient 42	1	1	2	1
Patient 43	1	1	2	1
Patient 44	2	1	2	2
Patient 45	1	1	2	1

Patient 46	1	1	2	1
Patient 47	1	1	2	1
Patient 48	2	1	2	2
Patient 49	1	1	2	1
Patient 50	1	1	2	1
Patient 51	1	1	2	1
Patient 52	1	1	2	2
Patient 53	1	1	2	1
Patient 54	1	1	2	2
Patient 55	1	1	2	1
Patient 56	1	1	2	1
Patient 57	1	1	2	2
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Patient 60	1	1	2	2
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Patient 62	1	1	2	1
Patient 63	1	1	2	1
Patient 64	1	1	2	1
Patient 65	1	1	2	1
Patient 66	1	1	2	2
Patient 67	1	1	2	2
Patient 68	/	/	/	/
Patient 69	1	1	2	1
Patient 70	1	1	2	1
Patient 71	1	1	2	1
Patient 72	1	1	2	1
Patient 73	1	1	2	1
Patient 74	1	1	2	1

Patient 75	1	1	2	1
Patient 76	/	/	/	/
Patient 77	1	1	1	2
Patient 78	1	1	2	1
Patient 79	1	1	2	1
Patient 80	1	1	2	2
Patient 81	1	1	2	1
Patient 82	1	1	2	2
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Patient 84	1	1	2	2
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Patient 91	1	1	2	1
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Patient 93	1	1	2	2
Patient 94	2	1	2	1
Patient 95	1	1	1	1
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Patient 98	1	1	2	2
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Patient 101	1	1	2	1
Patient 102	1	1	1	1
Patient 103	1	1	2	1

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Patient 118	1	1	2	2
Patient 119	1	1	2	2
Patient 120	1	1	2	2
Patient 121	1	1	2	2
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Patient 127	1	1	2	1
Patient 128	1	1	2	1
Patient 129	1	1	2	1
Patient 130	1	1	2	1
Patient 131	1	1	2	1
Patient 132	1	1	2	1

Patient 133	1	1	2	1
Patient 134	1	1	2	2
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Patient 190	2	1	2	2

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Patient 218	2	1	2	2
Patient 219	1	1	2	1

Patient 220	1	1	2	2
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Patient 223	1	1	2	1
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Patient 225	1	1	2	2
Patient 226	2	1	2	2
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Patient 356	1	1	2	1
Patient 357	2	2	2	2
Patient 358	1	1	2	2
Patient 359	1	1	2	1

* indicates classification variables, including 1 = "YSE" and 2 = "NO".

S5. Types and glycemic index in diabetics subjects.**Table S2.** Types and glycemic index in diabetics subjects.

Patients	Types	Fasting plasma glucose (mM)	HbA1c (%)	2hPG (mM)
Patient 20	T2DM	8	9	11
Patient 22	T2DM	7.61	5.3	/
Patient 24	T2DM	/	/	21.5
Patient 25	T2DM	/	7	13.08
Patient 26	T2DM	/	6.7	11.83
Patient 34	T2DM	4.75	10.01	/
Patient 36	T2DM	6.19	7.1	/
Patient 38	T2DM	5.35	6.6	/
Patient 39	T2DM	6.85	/	/
Patient 51	T2DM	5.76	6.2	17.63
Patient 59	T2DM	6.41	/	17.46
Patient 72	T2DM	/	9.3	/
Patient 75	T2DM	11.88	8.9	/
Patient 76	T2DM	12.34	8.6	/
Patient 77	T2DM	10.05	7.1	/
Patient 90	T2DM	/	8.7	/
Patient 91	T2DM	6.86	6.7	23.74
Patient 92	T2DM	7.19	6	/
Patient 95	T2DM	5.33	5.9	/
Patient 98	T2DM	6.4	6.9	16.49
Patient 99	T2DM	13.6	/	24
Patient 100	T2DM	8.65	8	/
Patient 102	T2DM	7.66	6.7	/
Patient 115	T2DM	12.62	6.8	18.17
Patient 121	T2DM	10.75	9.3	/
Patient 129	T2DM	/	/	12.94

Patient 138	T2DM	8.25	7.3	12
Patient 141	T2DM	/	6.1	/
Patient 150	T2DM	/	8.3	16.47
Patient 151	T2DM	/	/	/
Patient 155	T2DM	7.16	5.4	/
Patient 166	T2DM	6.5	7	8
Patient 170	T2DM	7.36	6.4	/
Patient 177	T2DM	9.02	6.6	17.35
Patient 179	T2DM	7.19	7.4	/
Patient 188	T2DM	9.18	7.3	/
Patient 202	T2DM	8.91	7.3	/
Patient 210	T2DM	6.38	9.4	/
Patient 215	T2DM	14.25	9	/
Patient 216	T2DM	6.15	7.6	/
Patient 229	T2DM	6.6	7.7	/
Patient 231	T2DM	/	/	14.8
Patient 241	T2DM	5.88	/	12
Patient 242	T2DM	8.45	7	/
Patient 244	T2DM	8.19	/	15.94
Patient 254	T2DM	9	6.5	/
Patient 256	T2DM	4.81	/	/
Patient 265	T2DM	8.14	7.9	/
Patient 267	T2DM	7.19	/	11.31
Patient 271	T2DM	/	7.5	12.72
Patient 273	T2DM	9.46	8.9	/
Patient 274	T2DM	/	7	21.82
Patient 279	T2DM	/	/	11.67
Patient 280	T2DM	7.1	/	/
Patient 282	T2DM	5.45	6.4	/

Patient 285	T2DM	/	9.1	9.55
Patient 287	T2DM	13.57	8.4	/
Patient 298	T2DM	10.39	7.8	/
Patient 299	T2DM	/	7.4	19.29
Patient 305	T2DM	/	6.3	/
Patient 306	T2DM	/	/	/
Patient 307	T2DM	11.48	/	/
Patient 308	T2DM	5.02	5.9	/
Patient 309	T2DM	9.36	7.5	/
Patient 316	T2DM	7.58	/	/
Patient 321	T2DM	5.29	5.7	/
Patient 325	T2DM	5.75	6.3	/
Patient 328	T2DM	/	/	/
Patient 331	T2DM	11.7	/	/
Patient 332	T2DM	/	8.2	17.82
Patient 337	T2DM	4.76	10.9	/
Patient 343	T2DM	/	8.6	/
Patient 355	T2DM	/	8	14.09
Patient 356	T2DM	5.43	/	/
Patient 357	T2DM	/	10.3	/
Patient 358	T2DM	7.56	8	/
