

Table S1. Inclusion and exclusion criteria.

a.	Inclusion Criteria
1.	Disordered Glucose Homeostasis
i.	<u>Group A</u> : Prediabetes, A1c 5.7-6.4%
ii.	<u>Group B</u> :
1.	T2D A1c 6.5-7.9% without T2D medications
2.	T2D A1c \geq 8% with/without T2D medications
2.	Control patients (<u>Group C</u>): Normal glucose homeostasis
3.	Age \geq 18
4.	No known cardiovascular, cerebrovascular or peripheral arterial disease
5.	Able and willing to provide written informed consent for the study
b.	Exclusion Criteria
1.	Unable to speak Spanish or English
2.	Active smoking (within the past year)
3.	Autoimmune, rheumatologic or inflammatory disease
4.	Known active cancer receiving treatment
5.	Pregnancy
6.	Anemia (hemoglobin < 9 mg/dl)
7.	Chronic kidney disease (CrCl < 30ml/min)
8.	Known Coronary Artery Disease (CAD; prior stents or CABG)
9.	Congestive Heart Failure
10.	Known Peripheral Arterial Disease (PAD; lower extremity revascularization surgery OR lower extremity stenting)
11.	Known prior stroke or TIA (mini-stroke or temporary/transient stroke)

Table S2. Reasons for lack of participation or ineligibility.

Pre-screened and eligible	2411
No-show, cancelled clinic appointment, or missed patient at clinic	1024
Other	211
Declined participation via phone	209
Patient approached in person at clinic appointment	967
Ineligible at time of approach	60
Unable to contact after first approach	419
Declined to participate	249
Other	25
Patient scheduled study appointment	423
Cancelled, no show for study appointment, screen failure, or incomplete urinalysis	233
Accrued	190
Subjects with incomplete metals data	44
Subjects used for analysis	146