

SUPPLEMENTARY DATA

**Supplementary Table 1.** Medication use by male Medalists by sexual dysfunction status.

	No Dysfunction	Dysfunction	
	%n (n=91)	%n (n=210)	p
Lipid Lowering Drug	57.1 (52)	74.3 (156)	0.003
Blood Pressure Drug	26.6 (51)	73.4 (141)	0.05
Adrenergic Blocker	16.7 (1)	83.3 (5)	0.46
Beta Blocker	23.5 (24)	76.5 (78)	0.07
Calcium Channel Blocker	28.3 (17)	71.7 (43)	0.72
Prostate Drug	11.0 (10)	21.9 (46)	0.025
Platelet Drug	23.1 (21)	35.2 (74)	0.04
Anti-depression Drug	14.3 (13)	17.6 (37)	0.48
Anti-anxiety Drug	5.49 (5)	6.67 (14)	0.7

**Supplementary Table 2.** Erectile dysfunction drug use among male Medalists by sexual dysfunction status.

	No Dysfunction	Dysfunction	
	%n (n=91)	%n (n=210)	p
Tadalafil	1.93 (44)	0	0.6
Vardenafil	0	1.0 (2)	0.4
Sildenafil	0	3.4 (7)	0.08
Alprostadil	0	0	
Penile Implant	1.2 (1)	4.4 (9)	0.2
Testosterone	1.2 (1)	0.5 (1)	0.52

SUPPLEMENTARY DATA

**Supplementary Table 3.** Self-care and lifestyle variables of male Medalists by sexual dysfunction status.

	No Dysfunction	Dysfunction	
	% (n)	% (n)	p
	(n=91)	(n=210)	
Doctor Assistance with Diabetes Management	60.0 (42)	66.7 (122)	0.86
Self-Reported Level of Glycemic Control			0.27
Excellent	34.4 (22)	21.2 (38)	
Good	50.0 (32)	52.5 (94)	
Fair	7.8 (5)	15.1 (27)	
Poor	0 (0)	1.1 (2)	
Self-Reported Level of Glycemic Control over First 20 Years			0.35
Excellent	10.5 (7)	14.5 (25)	
Good	29.9 (20)	22.5 (39)	
Fair	37.3 (25)	30.6 (53)	
Poor	9.0 (6)	16.2 (28)	
Self-Reported Level of Glycemic Control over Middle 20 Years			0.62
Excellent	20.3 (14)	19.4 (35)	
Good	52.2 (36)	39.4 (71)	
Fair	14.5 (10)	25.6 (46)	
Poor	4.4 (3)	6.7 (12)	
Monitor Blood Glucose Levels at Home	97.2 (69)	97.3 (178)	0.99
Number of Blood Glucose Checks Per Day			0.66
>8	34.8 (24)	29.1 (53)	
6-7	27.5 (19)	24.7 (45)	
4-5	31.9 (22)	33.0 (60)	
<3	5.8 (4)	12.6 (23)	
Education Level			0.41
Health Professional Training	8.5 (6)	6.0 (11)	
Masters or Doctoral Degree	40.9 (29)	38.8 (71)	
Post-Secondary Degree	49.3 (35)	48.1 (88)	
Secondary Degree	1.4 (1)	4.9 (9)	
Use of an Insulin Pump	49.3 (35)	53.6 (98)	0.89
Self-Reported Quality of Life			0.09
Excellent	58.6 (41)	44.0 (80)	
Good	32.9 (23)	43.4 (79)	
Normal	8.6 (6)	9.3 (17)	
Poor	0 (0)	0.6 (1)	

SUPPLEMENTARY DATA

**Supplementary Table 4.** Clinical characteristics of male Medalists by IIEF designation of erectile dysfunction.

	No ED	ED	
	Mean $\pm$ std; %	Mean $\pm$ std; %	p
	Median [Q1, Q3]	Median [Q1, Q3]	
Age (yrs)	67.7 $\pm$ 7.2	70.6 $\pm$ 7.7	0.02
Age at Diagnosis (yrs)	10.5 $\pm$ 6.7	12.2 $\pm$ 7.1	0.2
Duration (yrs)	57.1 $\pm$ 4.9	58.5 $\pm$ 6.3	0.3
BMI (kg/m <sup>2</sup> )	26.1 $\pm$ 3.4	25.8 $\pm$ 3.7	0.5
Smoking (Ever) (%)	46.2	50.0	0.6
HbA1c (%)	7.0 $\pm$ 1.0	7.1 $\pm$ 0.8	0.4
HbA1c (mmol/mol)	53 $\pm$ 7	54.1 $\pm$ 6	0.4
Insulin dose/kg	0.5 $\pm$ 0.2	0.5 $\pm$ 0.2	0.08
Systolic BP (mmHg)	134.6 $\pm$ 17.5	130.6 $\pm$ 16.3	0.2
Diastolic BP (mmHg)	66.1 $\pm$ 7.1	64.0 $\pm$ 8.5	0.2
Cholesterol (mg/dL)	157.9 $\pm$ 38.6	150.6 $\pm$ 28.9	0.7
HDL (mg/dL)	59.6 $\pm$ 19.6	57.8 $\pm$ 17.3	0.5
LDL (mg/dL)	80.9 $\pm$ 25.8	76.1 $\pm$ 22.4	0.6
Triglycerides (mg/dL)	78.5 $\pm$ 33.1	80.6 $\pm$ 51.8	0.5
Hypertension (%)	78.9	82.2	0.6
CVD* (%)	54.7	60.0	0.5
PDR (%) (ETDRS>60)	38.1	43.7	0.6
ACR (mcg/mg)	31.7 $\pm$ 60.1	30.1 $\pm$ 67.5	0.9
Neuropathy (%)	51.8	48.2	0.4
(MNSI>2**)			

\*CVD = history of coronary artery disease, angina, MI, cardiac/leg angioplasty, bypass graft surgery

\*\* MNSI = Michigan Neuropathy Screening Instrument

**Supplementary Table 5.** Laboratory characteristics of male Medalists by IIEF designation of erectile dysfunction.

	No ED	ED	
	Mean $\pm$ std; %	Mean $\pm$ std; %	p
	Median [Q1, Q3]	Median [Q1, Q3]	
Total testosterone (ng/mL)	3.2 $\pm$ 2.7	3.3 $\pm$ 2.7	0.9
SHBG (nmol/L)	60.7 $\pm$ 33.3	65.7 $\pm$ 30.8	0.3
PAI-1 (pg/mL)	160.7 $\pm$ 114.1	153.5 $\pm$ 98.2	1.0
Il-6 (pg/mL)	0.2 $\pm$ 0.2	0.2 $\pm$ 0.2	1.0
CRP (mg/L)	1.2 $\pm$ 1.5	2.0 $\pm$ 3.0	0.45

SUPPLEMENTARY DATA

**Supplementary Table 6.** Medication use of male Medalists by IIEF designation of erectile dysfunction.

	<b>No ED</b>	<b>ED</b>	
	Mean $\pm$ std; %	Mean $\pm$ std; %	p
	Median [Q1, Q3]	Median [Q1, Q3]	
Blood Pressure Drug	59.3	66.7	0.36
Adrenergic Blocker	1.8	1.0	0.64
Beta Blocker	18.2	38.1	0.01
Calcium Channel Blocker	16.4	21.9	0.41
Lipid Lowering Drug	63.6	71.4	0.31