

Table 1. Pre- and Post-Chemotherapy Insulin Profiles of Three Women with Breast Cancer and a Healthy Female Control Subject

Control Subject	Fasting	1-Hr	2-Hr	3-Hr
Insulin uIU/mL	3.8	16	10.5	1.4
Glucose mg/dL	74	94	82	67
Breast Cancer Case 1				
Pre- and Post-Chemotherapy Insulin Profiles Following, 75-Gm Glucose Load				
Pre-Chemotherapy Insulin uIU/mL	4	29	30	14
Post-Chemotherapy Insulin uIU/mL	6.2	79.0	60.0	8.4
Breast Cancer Case 2				
Pre- and Post-Chemotherapy Insulin Profiles Following, 75-Gm Glucose Load				
Pre-Chemotherapy Insulin uIU/mL	6.5	21.9	19.9	14.8
Post-Chemotherapy Insulin uIU/mL	3	52	11	7
Breast Cancer Case 3				
Pre- and Post-Chemotherapy Insulin Profiles Following, 75-Gm Glucose Load				
Pre-Chemotherapy Insulin uIU/mL	3	62	96	19
Post-Chemotherapy Insulin uIU/mL	6.8	36.0	23.0	8.8

Table 2. Effects on Insulin Homeostasis of Stress of Radical Prostatectomy Contrasted with That Caused by Severe Persisting Family Stress Lasting for Over Year in a 58-yr-Old Man Weighing 218 Lbs. (Over 300 Lbs. Previously). Note peak insulin level of 22 uIU/MI, indicating optimal insulin homeostasis two years after surgery and that of 105.6 value after persistent family stresses.

2012. (Optimal insulin homeostasis was preserved for two years after radical prostatectomy)	Fasting	1 Hr	2 hr	3 hr
Insulin uIU/mL	3	22	13	<2
Glucose mg/dL	82	75	63	60
2016 (Severe persistent family stress during the preceding year)	Fasting	1 Hr	2 hr	3 hr
Insulin uIU/mL	9.7	105.6	25	4.5
Glucose mg/dL	87	116	76	69

Table 3. Beta Cell Regeneration with Improved Glycemic Control In a 58-Yr-Old Man with Type 2 Diabetes Diagnosed Eleven Years Earlier and Prostate Cancer (Gleason Score of 3 and 4) Diagnosed in 2005. He was advised to have radical prostatectomy. He declined the procedure. Islet cell regeneration is documented by the peak insulin rising from 13 to 24 to 52.9 uIU/mL) and T2D-to-prediabetes transition by 2013. Ten years later, without surgery, radiotherapy, and hormone therapy, his urinary flow was robust; and highest PSA level in ten years was 6.4 ng/dL.

2012. (Radical Prostatectomy was Advised by Urologist and Declined by the Patient.)	Fasting	1 Hr	2 hr	3 hr
Insulin uIU/mL	<2	11	13	7
Glucose mg/dL	79	209	228	168
2013. Type 2 Diabetes to Prediabetes Transition With	Fasting	1 Hr	2 hr	3 hr
Insulin uIU/mL	<2	17	24	14
Glucose mg/dL	83	211	179	102
2015. A1c Range 5.7 to 6.4 without Metformin	Fasting	1 Hr	2 hr	3 hr
Insulin uIU/mL	2.3	14.3	52.9	30
Glucose mg/dL	92	270	295	169