LAB HISTORY 2010-CURRENT

Labs		Unit of Measurement	8/25/2010	12/1/2011	4/11/2014	3/27/2015	5/23/2016 First labs after OTS	8/8/2016	11/4/16	3/24/17	4/13/17	9/25/17	10/16/17	4/19/18	5/22/18	7/24/18	8/24/2018 (LABCORP)	11/29/2018 (LABCORP) Started TRT	2/6/2019	7/18/2019	10/11/2019	08/03/2020	9/23/2020	11/04/2020	11/30/2020	12/30/2020	1/20/2021	5/17/2021	9/30/2021
COMPLETE BLOOD COUNT (CBC)	Red	million/mm3	5.41		4.98	503	5.59							5.32			5.23	5.74		5.76M/uL		5.53	5.24		5.2		5.04		4.97	5.83
	White	million/mm3	5.3		4.5	3.8	5							4.8			5.1	5.3		6.0K/uL		4.8	4.6		5.6		5.5		4	4.8
	Hemoglobin	g/dL	17.5		16.2	16.3	17.4							16.6			16.6	17.7			19.7	18.2	17.3		17		16.3		15	18.8
	Hematocrit	%	53.00%		47.40%	47.70%	52.90%							48.9			49.7	54.1		54.60%	52.50%	50.20%		49.10%		47.10%		46.7	56.5
	Platelets	mm3	280		254	265	269							2778			275	249		235K/uL		256	237		262		233		234	273
	MCV	um3	97.9																											
	MCH	pg																												
	MCHC	%																												
	Retics	% of total RBC																												
IRON STUDIES	Serum Iron	ug/dL						156						157.34										127.13						
	Ferritin	ng/mL						292.6						443.9										83.3						
	TIBC	ug/dL						284						327										350						
THYROID PROFILE	T3	ng/mL																												
	T4	ug/mL												free 3 @ 3.11																
	TSH	uU/mL																												
	Reverse T3	ng/dL																		15.5										
	TSH, 3rd GEN	uLU/mL	2				2.08						2.62	3.18	2.2		2.16			3.1	3.12	3.17						2.41		
	Free T4	ng/dL					1.16						1.15	1.15	1.31					1.17	1.21	1.05						1.43		
LIVER PROFILE	AST	IU/L	20	24	20	22								24			21				20	21							21	
	ALT	IU/L	10	13	10	9	14							19			12				14	14							12	
	ALP	ImU/mL												0.7																
	Bilirubin	mg/dL	0.5	0.7	0.6	0.9	0.7										0.4				0.8	0.7							0.5	
	Cholesterol total	mg/dL	213	230	203	205	213							264		227					210	230								
	Triglycerides	mg/dL	114	73	64	50	103							227		125					52	74								
	A1C	%												5.3															103	
	Glocose	mg/dL	93	90	94	98						94		108			85												5.20%	
KIDNEY PROFILE	Creainine	mg/dL																												
	BUN	mg/dL																												
	eGFR	mL/min/1.73															90													
ADRENAL PROFILE	Cortisol	ug/dL					7.94	7.94			9.9	9.9												11.4				9.69		14
	ACTH	pg/mL																						29.28						
	IGF-1	ng/mL																						168.5						
SEX HORMONES	GH	ng/mL																												
	FSH	mIU/mL					5.45														0.521	0.722	0.513				7.16			
	LH	mIU/mL					4.77													<0.100	<0.100	<0.300					5.08			
	HCG	mIU/mL																												
	Progesterone	ng/mL																		0.29										
	Estradiol	pg/mL											<25				21.5	44.9	<25	37.0 (Ultra)	22.7 (Ultra)	39.2 (Ultra)		44.5			<25			
	Prolactin	ng/mL																		10.48	6.58									
	Testosterone	ng/mL or nmol/L					558.2		378.2	358.6	449.4		347.8				316	1186		1292ng/dL	1056	764	1001	243	179	236	268		602
	Free Test	pg/mL or pmol/L					10.41		7.58	6.13	8.07		6.72							31.68ng/dL	22.29	17.87	22.96	6.43	3.24	4.16	5.12		12.32
	% Free Test	%					1.9		1.9	1.7	1.8		1.9							2.50%	2.10%	2.3	2.30%	1.80%	1.80%	1.8	1.9		2.00%
	SHBG	nmol/L					40.28		36.18	40.73	40.62		33.13	33.95						33.61	36.97	31.6	34.5	32.7	32.1	36.4	31.1		31.2
	Albumin	g/dL	4.7	4.6	4.61	4.66			4.5	4.44	4.42		4.6				4.7			4.57	4.91	4.28	4.5	4.92	4.9	4.61	4.79		5
MISC	PSA	ng/mL					0.903										0.5			0.886	0.983	0.738				0.743			
	Free PSA	ng/mL																		0.17										
	% Free PSA	%																		19%										
	DHT	?																												
	DHEA	ng/mL							309					218.1						3.294 (unconjugated)			185 ug/dL (sulfate)							
	Weight	Pounds																												
	H2O	%																												
	Muscle	Pounds																												
	Vitamin D 25-OH	ng/mL					26	42	125					37						33			38							
	Magnesium	mg/dL																					2.2							
	Vitamin B12	pg/mL						735.3															561					472		
DOSE	Testosone Cyp	3.3 mL of 200mg per week																	YES	YES	YES	YES	YES	Off T	Off T	Off T	Off T	?	YES	
	HcG	60 units twice a week																												