		Patient Report
S		Rte: 00
_		_
	Specimen Details	
	Date collected: 10/18/2018 0929 Local	
	Date received: 10/18/2018	
	Date entered: 10/18/2018	
	Date reported: 10/25/2018 1611 ET	

General Comments & Additional Information Total Volume: Not Provided

Fasting: Yes

Ordered Items

NMR LipoProfile; CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel; Thyroid Panel; Vitamin B12 and Folate; Insulin and C-Peptide, Serum; Hemoglobin A1c; TSH; Estradiol; IGF-1; Reverse T3, Serum; Fructosamine; Lipoprotein (a); C-Reactive Protein, Cardiac; Lp-PLA2 Activity; Tumor Necrosis Factor-Alpha; Interleukin-6, Serum; Homocyst(e)ine, Plasma; Uric Acid; GGT; Growth Hormone, Serum; Ferritin, Serum; Glucagon, Plasma; Triiodothyronine (T3), Free; Fatty Acids, Free (Nonester); Venipuncture

TESTS	RESULT	FLAG	UNITS	REFERENCE	INTERVAL	LAB
NMR LipoProfile						
LDL Particle Number						01
LDL-P	1096	High		L <1	000	01
			Low Moderate	1000	< 1000 - 1299	
			Borderline		- 1599	
			High		- 2000	
			Very High		> 2000	
Lipids						01
LDL-C	98		mg/dI	0	- 109	
			Optimal Above optim	nal 100	< 100 - 129	
			Borderline			
			High	160		
			Very high		> 189	
Comment:		C.				01
	ate if patient is	non-ra:	-		2.0	0.1
HDL-C	57		mg/dI		39	01
Triglycerides	42		mg/dI		- 89	01
Cholesterol, Total	163		mg/dI	100	- 169	01
LDL and HDL Particle		_	_ /			01
HDL-P (Total)	29.3	Low		L >=30.5		01
Small LDL-P	274		nmol/			01
LDL Size	21.1		nm	>2	0.5	01
	** INTERPRETATIVE		 MATTON**			
	PARTICLE CONCENTR					
	<lower cvd="" r<="" td=""><td></td><td>Higher CVD H</td><td></td><td></td><td></td></lower>		Higher CVD H			
LDL AND HDL PA			Reference Po			
HDL-P (total)			50th 25th 30.5 26.7			
Small LDL-P			50.5 20. 50th 75th			
				2		

Date Issued: 10/29/18 1748 ET

FINAL REPORT

Page 1 of 6

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TESTS		RESILT	FLAG	IINTTS	REFERENCE	TNTERVAL.	LAB
12010	<		.7 527				
LDL Size	<-Large (Pat	ttern A)->	<-Small	(Patter			
	23.0	20.6	20	.5	19.0		
Comment:							01
Small LDL-P a	nd LDL Size	are assoc	iated with	CVD risk	, but not	after	01
LDL-P is take							
These assays v determined by							
US Food and D:						by the	
laboratory va	lues have no	ot been fu	lly establi	shed.			
Insulin Resistance	e Score						01
LP-IR Score		<25			<=45		01
INSULIN RESIS	TANCE MARKE n Sensitive		n Pogiatant				
	rcentile in						
Insulin Resist	tance Score		-				
LP-IR Score	Low 25th	50th	75th High	L			
Comment:	<21 21	45	03 >03				01
LP-IR Score is	s inaccurate	e if patie	ent is non-f	asting.			ÛŢ
The LP-IR sco	re is a labo	oratory de	eveloped ind	lex that			
associated wit							
used as one co LP-IR score li							
Drug Administ:		1100 1100 1		by ene	00 100a ai	104	
and with Different		L					
CBC With Different: WBC	Ial/Platele	4.6		v10F3/11	L 3.4	- 10 8	02
RBC		4.63		-	L 3.77		02
Hemoglobin		13.9		g/dL		- 15.9	02
Hematocrit		41.7		9/011 %		- 46.6	02
MCV		90		° fL		- 97	02
MCH		30.0		pg		- 33.0	02
MCHC		33.3		g/dL		- 35.7	02
RDW		14.1		97 an %		- 15.4	02
Platelets		227		x10E3/ul		- 379	02
Neutrophils		61		~~~~, ~~ %	Not E		02
Lymphs		30		010	Not E		02
Monocytes		7		010	Not E		02
Eos		2		010	Not E		02
Basos		0		00	Not E		02
Neutrophils (Absol	lute)	2.7		x10E3/u1		- 7.0	02
Lymphs (Absolute)		1.4		x10E3/u1		- 3.1	02
Monocytes (Absolute	e)	0.3		x10E3/ul		- 0.9	02
Eos (Absolute)		0.1		x10E3/u1		- 0.4	02
Baso (Absolute)		0.0		x10E3/ul	L 0.0	- 0.3	02

Date Issued: 10/29/18 1748 ET

FINAL REPORT

Page 2 of 6

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TESTS	RESULT	FLAG		UNITS	REFERENCE INTERVAL	LAB
Immature Granulocytes	0			010	Not Estab.	02
Immature Grans (Abs)	0.0			x10E3/uL	0.0 - 0.1	02
Comp. Metabolic Panel (14)	0.0			/ 17		
Glucose	88			mg/dL	65 - 99	02
BUN	20	High		mg/dL	5 - 18	02
Creatinine eGFR If NonAfricn Am	0.83			mg/dL	0.57 - 1.00	02
Unable to calculate GFR. old.	Age and/	or sex	not	provided	>59 or age <18 years	
eGFR If Africn Am					>59	
Unable to calculate GFR. old.	Age and/	or sex	not	provided		
BUN/Creatinine Ratio	24	High			10 - 22	
Sodium	138	-3		mmol/L	134 - 144	02
Potassium	3.9			mmol/L	3.5 - 5.2	02
Chloride	103			mmol/L	96 - 106	02
Carbon Dioxide, Total	20			mmol/L	20 - 29	02
Calcium	9.3			mg/dL	8.9 - 10.4	02
Protein, Total	7.1			g/dL	6.0 - 8.5	02
Albumin	4.8			g/dL	3.5 - 5.5	02
Globulin, Total	2.3			g/dL	1.5 - 4.5	
A/G Ratio	2.1			- 10	1.2 - 2.2	
Bilirubin, Total	0.8			mg/dL	0.0 - 1.2	02
Alkaline Phosphatase	77			IU/L	49 - 108	02
AST (SGOT)	19			IU/L	0 - 40	02
ALT (SGPT)	22			IU/L	0 - 24	02
Lipid Panel						
Cholesterol, Total	165			mg/dL	100 - 169	02
Triglycerides	42			mg/dL	0 - 89	02
HDL Cholesterol	62			mg/dL	>39	02
VLDL Cholesterol Cal	8			mg/dL	5 - 40	
LDL Cholesterol Calc	95			mg/dL	0 - 109	
Thyroid Panel						
- Thyroxine (T4)	7.4			ug/dL	4.5 - 12.0	02
T3 Uptake	34			00	23 - 35	02
Free Thyroxine Index	2.5				1.2 - 4.9	
Vitamin B12 and Folate						
Vitamin B12	1176			pg/mL	232 - 1245	02
Folate (Folic Acid), Serum	9.4			ng/mL	>3.0	02
Note:				<i></i>		02
A serum folate concentra	tion of le	ss tha	n 3.1	. ng/mL i	S	

Date Issued: 10/29/18 1748 ET

FINAL REPORT

Page 3 of 6

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TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
considered to represent					2.10
_		-			
Insulin and C-Peptide, Serum Insulin	4.5		uIU/mL	2.6 - 24.9	02
C-Peptide, Serum	1.3		ng/mL	1.1 - 4.4	02
C-Peptide reference int		or fasting	U .		02
Hemoglobin Alc					
Hemoglobin Alc	4.8		010	4.8 - 5.6	02
Please Note:					02
Prediabetes: 5					
Diabetes: >6.4 Glycemic contr		ts with di	abetes. c	7 0	
Grycemie coner	or for daar			. / • 0	
TSH	1.550		uIU/mL	0.450 - 4.500	02
Estradiol	38.5		pg/mL		02
		Adult Fem	nale:		
			lar phase		
			on phase. phase		
			opausal		
		Pregnancy			
			mester 10 years)	215.0 - >4300.0 6.0 - 27.0	
Roche ECLIA methodology		01110 (1	10 100120,		
IGF-1					
Insulin-Like Growth Factor	I 321		ng/mL		01
AGE	FEMALE	_	AGE		
<1 year 1 year			11 ye 12 ye		
2 years			13 ye		
3 years	26 - 164		14 ye	ars 123 - 552	
4 years			_	ears 127 - 554	
5 years 6 years	36 - 214 42 - 240			ears 128 - 542 ears 125 - 517	
7 years			18 ye		
	57 - 305		19 ye		
9 years 10 years	67 - 349 80 - 400		20 ye	ears 108 - 416	
Reverse T3, Serum	18.4		ng/dL	9.2 - 24.1	01
Fructosamine	225		umol/L	0 - 285	01
Published reference int between age 20 and 60 i controlled diabetic pop mean of 396 umol/L.	s 205 - 285	5 umol/L an	ld in a po	orly	

Date Issued: 10/29/18 1748 ET

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TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVA	L LAB
Lipoprotein (a) Note:	indicate an but must be to non-Cauca	independer evaluated sian popul	nt risk fa with caut lations du	<75 75 nmol/L may ctor for CHD, ion when applied e to the Lp(a) across	01
C-Reactive Protein, Cardia		isk for Fu	mg/L uture Card Low Average High	0.00 - 3.00 iovascular Event <1.00 1.00 - 3.00 >3.00	02
Lp-PLA2 Activity	197		nmol/min/r duced Risk creased Ri	<225	01
Tumor Necrosis Factor-Alph Tumor Necrosis Factor-Alph Comment: Results of this test assay's manufacturer. have not been establi be used for treatment of the diagnosis by a or procedure. The per LabCorp.	ha 0.9 are labeled f The performa shed by the m or for diagn nother medica	nce charad anufacture ostic purp lly estab	cteristics er. The reposes with lished diag	of this assay sult should not out confirmation gnostic product	01 01
Interleukin-6, Serum Results for this test manufacturer. The pe not been established. procedure without con established diagnosti	rformance cha Results sho firmation of	racterist: uld not be the diagno	ics of this e used as a osis by an	s product have a diagnostic	01
Homocyst(e)ine, Plasma	6.5		umol/L	0.0 - 15.0	02
Uric Acid Uric Acid Please Note:	3.6 Therapeu	tic targe	<u> </u>	2.4 - 6.3 patients: <6.0	02 02
GGT	11		IU/L	0 - 60	02
Growth Hormone, Serum	4.2		ng/mL	0.0 - 10.0	01
Ferritin, Serum	34		ng/mL	15 - 77	02
Glucagon, Plasma					

Date Issued: 10/29/18 1748 ET

FINAL REPORT

Page 5 of 6

This document contains private and confidential health information protected by state and federal law. If you have received this document in error, please call 800-788-9743

TESTS	RESULT	FLAG	UNITS RE	FERENCE INTERVAL	LAB	
Glucagon, Plasma	37	Low	pg/mL	50 - 150	01	
Comment:			_		01	
Results of this test are labeled for research purposes only by the assay's manufacturer. The performance characteristics of this assay have not been established by the manufacturer. The result should not be used for treatment or for diagnostic purposes without confirmation of the diagnosis by another medically established diagnostic product or procedure. The performance characteristics were determined by LabCorp.						
Triiodothyronine (T3), Free	3.0		pg/mL	2.3 - 5.0	02	
Fatty Acids, Free (Nonester)	0.7	High	mEq/L	0.1 - 0.6	01	

01	BN	LabCorp Burlington	Dir: William F Hancock, MD				
		1447 York Court, Burlington, NC 27215-3361					
02	PDLCA	LabCorp Phoenix	Dir: Earle Collum, MD				
		5005 S 40th Street Ste 1200, Phoenix, AZ 85040-2969					
For inquiries, the physician may contact Branch: 888-522-2677 Lab: 800-762-4344							

Date Issued: 10/29/18 1748 ET

Page 6 of 6