

Teston Medical Center

270 Purple Creek Road Unit C3
Woodbridge ON, Canada
L4H 5E5

Fax Cover Sheet

To: (Endo) LMC Thornhill/Vaughan - Dr Sionit, David
Phone: (866) 701-3636
Fax: 1(877) 562-2778

Date: 2025-Oct-24

From: Dr. Rushi Gandhi
Phone: (905) 417-2058
Fax: (905) 417-1508

Number of pages including cover: 11

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Re: Alia Samem



270 Purple Creek Road,
Woodbridge, Ontario, L4H 5E5
Phone: 905-417-2058
Fax: 905-417-1508

Alia Samem F
23 Anderson Cove Trail
Nobleton ON L7B 0A3 DOB: 12/25/2001
6765346181PF (647) 633-1315
(000) 000-0000

URGENT PLEASE

Please see Alia, a 23 year old female for elevated prolactin and DHEAS. Had severe acne, seeing derm.

Relevant findings and investigations are attached.

Please do not hesitate to contact me if you have any questions regarding the care of Alia.

Rushi Gandhi

Billing No 043016

A handwritten signature in black ink, appearing to read "Rushi Gandhi".

Page 1 of 10

Ministry of Health and Long-Term Care
Ontario Laboratories Information System (OLIS)

Lab Results: , Manual Entry

Generated On 2025-Oct-24

Patient	Samem, Alia	Home Phone	(647) 633-1315	Work Phone	(000) 000-0000
Health #	6765346181PF	Sex	F	Patient ID	5043
Age	23 years				
DOB	2001-Dec-25				

Ordered By: Gandhi, Rushi
Collection Date: 2025-Aug-02 Reviewed: 2025-Aug-02 by Harshida
Updated On: 2025-Sep-22 10:22 AM

Flags	Results	Ref Range
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BP	
BP - Systolic	102
BP - Diastolic	69
Heart Rate	72

bpm

CC List
GANDHI, DR. RUSHI MAYURKUMAR
(MD# 115616)

Ordering Facility

LifeLabs

*(Lab 5687)***Address**

100 International Blvd.
Etobicoke M9W 6J6 ON
(Firm/Business)

Lab Order #2025-QP2140547 *(Lab 5687)***Last Updated in OLIS**

2025-Aug-02 10:16:58 AM EDT

Specimen Received Date/Time

Chemistry

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Aug-02 9:58:00 AM	LifeLabs <i>(Lab 5687)</i>

Flags	Results	Reference Range	Units
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Macroprolactin (I - Collected)

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Aug-02 9:58:00 AM	LifeLabs <i>(Lab 5687)</i>

Dehydroepiandrosterone Sulphate (I - Collected)

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Aug-02 9:58:00 AM	LifeLabs <i>(Lab 5687)</i>

Testosterone Free (I - Collected)

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Aug-02 9:58:00 AM EDT	LifeLabs <i>(Lab 5687)</i>

Specimen Received Date/Time

2025-08-02 10:00:00 AM EDT

Macroprolactin

Performing Lab	Reporting Lab
LifeLabs <i>(Lab 5687)</i>	LifeLabs <i>(Lab 5687)</i>

Address	Address
100 International Blvd. Etobicoke M9W 6J6 ON <i>(Firm/Business)</i>	100 International Blvd. Etobicoke M9W 6J6 ON <i>(Firm/Business)</i>

Prolactin	H	34.3	5.0 - 27.0	ug/L
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Prolactin Free

The biologically active monomeric prolactin is elevated above reference interval.

This test was developed by LifeLabs. Its performance characteristics have been fully validated and the test has been designated fit for use in routine patient testing. This test has not been submitted to Health Canada for evaluation, and as an in-house validated test, does not require Health Canada approval for diagnostic use. LifeLabs(Lab 5687)

Specimen Type

SERUM

Collection Date

2025-Aug-02 9:58:00 AM EDT

Specimen Collected By

LifeLabs

{Lab 5687}

Specimen Received Date/Time

2025-08-02 10:00:00 AM EDT

Dehydroepiandrosterone Sulphate**Performing Lab**

LifeLabs

{Lab 5687}

Reporting Lab

LifeLabs

{Lab 5687}

Address

100 International Blvd.
Etobicoke M9W 6J6 ON
{Firm\Business}

Address

100 International Blvd.
Etobicoke M9W 6J6 ON
{Firm\Business}

Dehydroepiandrosterone Sulfate

H

12.3

< 9.8

umol/L

Specimen Type

SERUM

Collection Date

2025-Aug-02 9:58:00 AM EDT

Specimen Collected By

LifeLabs

{Lab 5687}

Specimen Received Date/Time

2025-08-02 10:00:00 AM EDT

Testosterone Free**Performing Lab**

LifeLabs

{Lab 5687}

Reporting Lab

LifeLabs

{Lab 5687}

Address

100 International Blvd.
Etobicoke M9W 6J6 ON
{Firm\Business}

Address

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Etobicoke M9W 6J6 ON
{Firm\Business}

Testosterone, Free

26

< 56

pmol/L

Interpret free testosterone results with caution
in presence of significant hypoalbuminemia.

Test method: calculation (Vermeulen A. et al,
J Clin Endocrinol Metab 84:3666-3672, 1999) LifeLabs(Lab 5687)

CC List

GANDHI, DR. RUSHI MAYURKUMAR

{MD# 115616}

Ordering Facility

LifeLabs

{Lab 5687}

Address

100 International Blvd.
Etobicoke M9W 6J6 ON
{Firm\Business}



ONTARIO DIAGNOSTIC CENTRE - ONTARIO DIAGNOSTIC CENTRES - WOODBRIDGE

8077 Islington Ave, Woodbridge, ON L4L 7X7
TEL: (905) 856-7061 FAX: (905) 856-7062

www.CNTDC.com

SAMEM, ALIA

Tel: (647) 633 1315 DOB: 25-Dec-2001
Health No: 6765346181 PF
MRN: 76482 DOS: 20-Jul-2025

DR. RUSHI GANDHI

Fax: (905) 417 1508
Tel: (905) 417 2058
Exam: Ultrasound Female Pelvic

PELVIC AND TRANSVAGINAL ULTRASOUND

History: Question PCOS.

Comparison: None available.

FINDINGS:

The uterus is normal in size. No evidence of fibroids.

The endometrium measures 4 mm and appears unremarkable.

The ovaries are unremarkable. Small dominant right ovarian follicle is present the adnexa are clear.

The bladder is unremarkable. No free fluid.

OPINION:

No significant findings.

DR. VIKRAM VENKATESH

Dictated:

Transcribed: vvi 21-Jul-2025

Ministry of Health and Long-Term Care
Ontario Laboratories Information System (OLIS)

Lab Results:

Generated On 2025-Oct-24

Patient	SAMEM, ALIA	Medical Record Number	Telephone
Date of Birth	2001-Dec-25	2025QP1870424 <small>LifeLabs(Lab 5687)</small>	647-633-1315 <small>(Primary Residence Number)</small>
Age (Time of Observation)	23 years	Ontario Health Number	
Sex	F	6765 346 181	
Address			

Comments

Collection date/time is not provided; it is derived from the provided Order date/time LifeLabs(Lab 5687)

Lab Order #	Ordering Practitioner	Primary Performing Lab
2025-QP1870424 <small>LifeLabs(Lab 5687)</small>	GANDHI, DR. RUSHI MAYURKUMAR <small>(MD# 115616)</small>	LifeLabs <small>(Lab 5687)</small>
Last Updated in OLIS	Address	Address
2025-Jul-08 1:15:48 AM EDT	B6-3300 RUTHERFORD RD VAUGHAN ON L4K 5Z2 <small>(Firm/Business)</small>	100 International Blvd. Etobicoke M9W 6J6 ON <small>(Firm/Business)</small>
Specimen Received Date/Time		Primary Reporting Lab
2025-07-06 9:32:00 AM EDT		LifeLabs <small>(Lab 5687)</small>
		Address
		100 International Blvd. Etobicoke M9W 6J6 ON <small>(Firm/Business)</small>

Hematology

Specimen Type	Collection Date	Specimen Collected By
WHOLE BLOOD	2025-Jul-06 9:23:00 AM EDT	LifeLabs <small>(Lab 5687)</small>
Complete Blood Count		
Leukocytes; Blood	8.2	4.0 - 11.0 x E9/L
Erythrocytes; Blood	4.25	4.00 - 5.10 x E12/L
Hemoglobin; Blood	L 116	120 - 160 g/L
Hematocrit; Blood	0.367	0.350 - 0.450 L/L
Mean Corpuscular Volume; RBC	86	80 - 100 fL
Mean Corpuscular Hemoglobin; RBC	L 27.3	27.5 - 33.0 pg
Mean Corpuscular Hemoglobin Concentration; RBC	316	305 - 360 g/L
Erythrocyte Distribution Width; RBC	12.6	11.5 - 14.5 %
Platelets; Blood	343	150 - 400 x E9/L
Neutrophils; Blood	4.4	2.0 - 7.5 x E9/L
Lymphocytes; Blood	2.8	1.0 - 3.5 x E9/L
Monocytes; Blood	0.6	0.2 - 1.0 x E9/L
Eosinophils; Blood	0.2	0.0 - 0.5 x E9/L
Basophils; Blood	0.1	0.0 - 0.2 x E9/L
Granulocytes Immature	0.0	0.0 - 0.1 x E9/L
Erythrocyte Nucleated/100 Leukocytes; Blood	0	/100 WBC

Chemistry

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs <small>(Lab 5687)</small>
Cobalamins		
Vitamin B12	383	> 220 pmol/L
>220 pmol/L: Normal, deficiency unlikely		
150-220 pmol/L: Borderline, deficiency is possible		
<150 pmol/L: Low, consistent with deficiency	LifeLabs(Lab 5687)	

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs <small>(Lab 5687)</small>
Ferritin		
Ferritin	L 24	ug/L

Result <30 ug/L consistent with iron deficiency.

For guidance, see www.hemequity.com/raise-the-bar LifeLabs(Lab 5687)

Specimen Type SERUM	Collection Date 2025-Jul-06 9:23:00 AM EDT	Specimen Collected By LifeLabs (Lab 5687)	
Glucose Fasting			
Glucose Fasting	5.2	3.6 - 6.0	mmol/L
Alanine Aminotransaminase			
Alanine Aminotransferase [ALT]	16	< 36	U/L
Specimen Type WHOLE BLOOD	Collection Date 2025-Jul-06 9:23:00 AM EDT	Specimen Collected By LifeLabs (Lab 5687)	
Hemoglobin A1 C			
Hemoglobin A1C/Total Hemoglobin; Blood Diabetes Canada 2018 Guidelines:	5.4	< 6.0	%
Screening and Diagnosis: < 5.5 % Normal 5.5% - 5.9 % At risk 6.0% - 6.4 % Prediabetes >OR= 6.5 % Diabetes Mellitus***			
***Regarding diagnosis: in the absence of symptomatic hyperglycemia, if a single laboratory test result is in the diabetes range, a repeat confirmatory laboratory test (FPG, A1C, 2hPG in a 75 g OGTT) must be done on another day for diagnosis confirmation.			
Monitoring: <OR= 7.0 % Target in adults without comorbidities. Other targets may be more appropriate in children, elderly and patients with comorbidities.			
Results may not accurately reflect mean blood glucose in patients with hemoglobin variants, disorders associated with abnormal erythrocyte turnover, severe renal and liver disorders. LifeLabs(Lab 5687)			
Specimen Type SERUM	Collection Date 2025-Jul-06 9:23:00 AM EDT	Specimen Collected By LifeLabs (Lab 5687)	
Creatinine			
Creatinine Glomerular Filtration Rate Predicted	53 > 120	50 - 100 See below	umol/L
Reference interval: =>60 mL/min/1.73m ²			
eGFR is calculated using the CKD-EPI 2021 equation which does not use a race-based adjustment. LifeLabs(Lab 5687)			
Specimen Type SERUM	Collection Date 2025-Jul-06 9:23:00 AM EDT	Specimen Collected By LifeLabs (Lab 5687)	
Lipid Assessment			
Hours post prandial Triglyceride	12 0.53	Hours mmol/L	

FASTING: <1.70 mmol/L

NON-FASTING: <2.00 mmol/L LifeLabs(Lab 5687)

Cholesterol	3.83	< 5.20	mmol/L
Total cholesterol and HDL-C used for risk assessment and to calculate non HDL-C. LifeLabs(Lab 5687)			
Cholesterol In HDL	L	1.19	>= 1.30 mmol/L
HDL-C <1.30 mmol/L indicates risk for metabolic syndrome. LifeLabs(Lab 5687)			
Cholesterol Non HDL	2.64	< 4.20	mmol/L
Non HDL-Cholesterol is not affected by the fasting status of the patient. LifeLabs(Lab 5687)			
Cholesterol In LDL; Calculated	2.37	< 3.50	mmol/L
LDL-C is calculated using the NIH equation.			
For additional LDL-C and non-HDL-C thresholds based on risk stratification, refer to 2021 CCS Guidelines. Can J Cardiol. 2021;37(8):1129-1150. LifeLabs(Lab 5687)			
Cholesterol/Cholesterol In HDL Ratio	3.2		
Cholesterol/HDL-C is not included in the 2021 CCS guideline as a lipid initiation or treatment target but is recognized as an indicator of high CVD risk at Cholesterol/HDL-C ratio >6.0 LifeLabs(Lab 5687)			

Specimen Type	Collection Date	Specimen Collected By	
URINE	2025-Jul-06 9:23:00 AM EDT	LifeLabs (Lab 5687)	
Microalbumin			
Kidney Failure 5-year Risk; KFRE	NOT APPLICABLE	< 5	%
Results rule out CKD stage 3-5 and albuminuria. The KidneyWise toolkit (kidneywise.ca) recommends remeasuring eGFR and urine ACR annually for people with diabetes mellitus and less frequently in others unless clinical circumstances dictate otherwise. LifeLabs(Lab 5687)			
Albumin; Urine; Detection Limit = 20 mg/L	4		mg/L
No reference interval has been established for this test. LifeLabs(Lab 5687)			
Creatinine; Urine	8.8		mmol/L
No reference interval has been established for this test. LifeLabs(Lab 5687)			
Albumin/Creatinine Ratio; Urine	0.5	< 3.0	mg/mmol
Specimen Type	Collection Date	Specimen Collected By	
SERUM	2025-Jul-06 9:32:29 AM EDT	LifeLabs (Lab 5687)	
Specimen Received Date/Time			
2025-07-06 9:32:42 AM EDT			

Calcidiol

Specimen Comment (Test not performed)

Unable to process as the patient declined testing LifeLabs(Lab 5687)

CC List
GANDHI, DR. RUSHI MAYURKUMAR
 (MC# 115616)

Ordering FacilityLifeLabs
(Lab 5687)**Address**100 International Blvd.
Etobicoke M9W 6J6 ON

{Firm\Business}

Ministry of Health and Long-Term Care
Ontario Laboratories Information System (OLIS)

Lab Results:

Generated On 2025-Oct-24

Patient	SAMEM, ALIA	Medical Record Number	Telephone
Date of Birth	2001-Dec-25	2025QP1870424 <small>LifeLabs(Lab 5687)</small>	647-633-1315 <small>(Primary Residence Number)</small>
Age (Time of Observation)	23 years	Ontario Health Number	
Sex	F	6765 346 181	
Address			

Comments

Collection date/time is not provided; it is derived from the provided Order date/time LifeLabs(Lab 5687)

Lab Order #	Ordering Practitioner	Primary Performing Lab
2025-QP1870424 <small>LifeLabs(Lab 5687)</small>	GANDHI, DR. RUSHI MAYURKUMAR <small>(MD# 115616)</small>	LifeLabs <small>(Lab 5687)</small>
Last Updated in OLIS	Address	Address
2025-Jul-08 1:15:48 AM EDT	B6-3300 RUTHERFORD RD VAUGHAN ON L4K 5Z2 <small>(Firm/Business)</small>	100 International Blvd. Etobicoke M9W 6J6 ON <small>(Firm/Business)</small>
Specimen Received Date/Time		Primary Reporting Lab
2025-07-06 9:32:00 AM EDT		LifeLabs <small>(Lab 5687)</small>
		Address
		100 International Blvd. Etobicoke M9W 6J6 ON <small>(Firm/Business)</small>

Chemistry

Specimen Type	Collection Date	Specimen Collected By		
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs <small>(Lab 5687)</small>		
	Flags	Results	Reference Range	Units
Thyrotropin Thyroid Stimulating Hormone [TSH]		0.93	0.32 - 4.00	mIU/L
Specimen Type	Collection Date	Specimen Collected By		
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs <small>(Lab 5687)</small>		
	Flags	Results	Reference Range	Units
Follitropin Follicle Stimulating Hormone [FSH] Follitropin (FSH) female reference intervals		2.6		IU/L
Follicular: 3.0-8.0 Mid-cycle: 3.0-22.0 Luteal: 1.5-5.5 Post-menopausal: 27.0-133.0	IU/L			
Specimen Type	Collection Date	Specimen Collected By		
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs <small>(Lab 5687)</small>		
	Flags	Results	Reference Range	Units
Lutropin Luteinizing Hormone [LH] Lutropin (LH) female reference intervals		4.5		IU/L
Follicular: 2.0-12.0 Mid-cycle: 8.0-90.0 Luteal: 1.0-14.0 Post-menopausal: 5.0-62.0	IU/L			
Specimen Type	Collection Date	Specimen Collected By		
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs <small>(Lab 5687)</small>		

Prolactin**Prolactin**

Elevation of Prolactin may be due to cross-reactivity to biologically inactive macroprolactin. Prolactin levels can vary significantly from day to day. Repeat testing to confirm elevated results is, therefore recommended before requesting macroprolactin. LifeLabs (Lab 5687)

H 33.1 5.0 - 27.0 ug/L

Specimen Type

SERUM

Collection Date
2025-Jul-06 9:23:00 AM EDT**Specimen Collected By**
LifeLabs
(Lab 5687)**Dehydroepiandrosterone Sulphate**

Dehydroepiandrosterone Sulfate

H 13.7 < 9.8 umol/L

Specimen Type

SERUM

Collection Date
2025-Jul-06 9:23:00 AM EDT**Specimen Collected By**
LifeLabs
(Lab 5687)**Testosterone**

Testosterone

H 2.2 < 1.8 nmol/L

Reference interval applies to AM collections.
Total Testosterone levels may not reflect the biologically-active testosterone when SHBG levels are abnormal. LifeLabs (Lab 5687)

Specimen Type

SERUM

Collection Date
2025-Jul-06 9:23:00 AM EDT**Specimen Collected By**
LifeLabs
(Lab 5687)**Estradiol**

Estradiol

128 pmol/L

Estradiol adult female reference intervals

Follicular: 77-921 pmol/L

Mid-cycle: 139-2382 pmol/L

Luteal: 77-1145 pmol/L

Post-menopausal: <103 pmol/L LifeLabs (Lab 5687)

CC List**GANDHI, DR. RUSHI MAYURKUMAR**

(MC# 115616)

Ordering Facility

LifeLabs

(Lab 5687)

Address

100 International Blvd.

Etobicoke M9W 6J6 ON

(Firm/Business)