

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 be "Rushi Gandhi", written over a horizontal line.

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
BP		
BP - Systolic	102	
BP - Diastolic	69	
Heart Rate	72	bpm

CC List GANDHI, DR. RUSHI MAYURKUMAR <small>/MD# 1156161</small>	Ordering Facility LifeLabs <small>/Lab 56871</small>
	Address 100 International Blvd. Etobicoke M9W 6J6 ON <small>/Time\Business1</small>
Lab Order # 2025-QP2140547 <small>/LifeLabs\Lab 56871</small>	Ordering Practitioner GANDHI, DR. RUSHI MAYURKUMAR <small>/MD# 1156161</small>
Last Updated in OLIS 2025-Aug-02 10:16:58 AM EDT	Address B6-3300 RUTHERFORD RD VAUGHAN ON L4K 5Z2 <small>/Time\Business1</small>
Specimen Received Date/Time	

Chemistry

Specimen Type SERUM	Collection Date 2025-Aug-02 9:58:00 AM	Specimen Collected By LifeLabs <small>/Lab 56871</small>
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Flags	Results	Reference Range	Units
Macroprolactin (I - Collected)			

Specimen Type SERUM	Collection Date 2025-Aug-02 9:58:00 AM	Specimen Collected By LifeLabs <small>/Lab 56871</small>
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Dehydroepiandrosterone Sulphate (I - Collected)

Specimen Type SERUM	Collection Date 2025-Aug-02 9:58:00 AM	Specimen Collected By LifeLabs <small>/Lab 56871</small>
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Testosterone Free (I - Collected)

Specimen Type SERUM	Collection Date 2025-Aug-02 9:58:00 AM EDT	Specimen Collected By LifeLabs <small>/Lab 56871</small>
Specimen Received Date/Time 2025-08-02 10:00:00 AM EDT		

Macroprolactin

Performing Lab LifeLabs <small>/Lab 56871</small>	Reporting Lab LifeLabs <small>/Lab 56871</small>
Address 100 International Blvd. Etobicoke M9W 6J6 ON <small>/Time\Business1</small>	Address 100 International Blvd. Etobicoke M9W 6J6 ON <small>/Time\Business1</small>

Prolactin	H	34.3	5.0 - 27.0	ug/L
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Prolactin Free H 22.3 1.8 - 19.9 ug/L

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)
Address 100 International Blvd.
Etobicoke M9W 6J6 ON
(TirrvBusiness)
Reporting Lab LifeLabs
(Lab 5687)
Address 100 International Blvd.
Etobicoke M9W 6J6 ON
(TirrvBusiness)

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)
Address 100 International Blvd.
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(TirrvBusiness)
Reporting Lab LifeLabs
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(TirrvBusiness)

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
(TirrvBusiness)



**ONTARIO DIAGNOSTIC CENTRE - ONTARIO
DIAGNOSTIC CENTRES - WOODBRIDGE**

8077 Islington Ave, Woodbridge, ON L4L 7X7

TEL: (905) 856-7061 FAX: (905) 856-7062

www.ONTDC.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: vv/ 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	2025QP1870424	LifeLabs(Lab 5687)	Telephone	647-633-1315
Date of Birth	2001-Dec-25				(Primary Residence Number)	
Age (Time of Observation)	23 years	Ontario Health Number	6765 346 181			
Sex	F					
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	GANDHI, DR. RUSHI MAYURKUMAR	LifeLabs
	(MD# 115616)	(Lab 5687)
Last Updated in OLIS	Address	Address
2025-Jul-08 1:15:48 AM EDT	B6-3300 RUTHERFORD RD	100 International Blvd.
Specimen Received Date/Time	VAUGHAN ON L4K 5Z2	Etobicoke M9W 6J6 ON
2025-07-06 9:32:00 AM EDT	(Firm/Business)	(Firm/Business)
		Primary Reporting Lab
		LifeLabs
		(Lab 5687)
		Address
		100 International Blvd.
		Etobicoke M9W 6J6 ON
		(Firm/Business)

Hematology

Specimen Type	Collection Date	Specimen Collected By		
WHOLE BLOOD	2025-Jul-06 9:23:00 AM EDT	LifeLabs		
		(Lab 5687)		
	Flags	Results	Reference Range	Units
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
Erythrocytes 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
		(Lab 5687)
Cobalamins		
Vitamin B12	383	> 220
>220 pmol/L:	Normal, deficiency unlikely	pmol/L
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 (Lab 5687)
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
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Specimen Type
SERUM

Collection Date
2025-Jul-06 9:23:00 AM EDT

Specimen Collected By
LifeLabs
{Lab 5687}

Alanine Aminotransaminase

Alanine Aminotransferase [ALT]	16	< 36	U/L
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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	5.4	< 6.0	%
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Diabetes Canada 2018 Guidelines:

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	53	50 - 100	umol/L
Glomerular Filtration Rate Predicted	> 120	See below	

Reference interval: =>60 mL/min/1.73m2

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	12	Hours
Triglyceride	0.53	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 Facility
 LifeLabs
 (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
Age (Time of Observation)	23 years	Ontario Health Number	<small>{Primary Residence Number}</small>
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	LifeLabs
	<small>{MDC# 115616}</small>	<small>{Lab 5687}</small>
Last Updated in OLIS	Address	Address
2025-Jul-08 1:15:48 AM EDT	B6-3300 RUTHERFORD RD	100 International Blvd.
Specimen Received Date/Time	VAUGHAN ON L4K 5Z2	Etobicoke M9W 6J6 ON
2025-07-06 9:32:00 AM EDT	<small>{Firm;Business}</small>	<small>{Firm;Business}</small>
		Primary Reporting Lab
		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>
Thyrotropin	Flags	Results
Thyroid Stimulating Hormone [TSH]		0.93
		Reference Range
		0.32 - 4.00
		Units
		mIU/L

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs
		<small>{Lab 5687}</small>
Follitropin		
Follicle Stimulating Hormone [FSH]		2.6
Follitropin (FSH) female reference intervals		IU/L

Follicular:	3.0-8.0	IU/L
Mid-cycle:	3.0-22.0	IU/L
Luteal:	1.5-5.5	IU/L
Post-menopausal:	27.0-133.0	IU/L LifeLabs{ Lab 5687}

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs
		<small>{Lab 5687}</small>
Lutropin		
Luteinizing Hormone [LH]		4.5
Lutropin (LH) female reference intervals		IU/L

Follicular:	2.0-12.0	IU/L
Mid-cycle:	8.0-90.0	IU/L
Luteal:	1.0-14.0	IU/L
Post-menopausal:	5.0-62.0	IU/L LifeLabs{ Lab 5687}

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs
		<small>{Lab 5687}</small>

Prolactin

Prolactin	H	33.1	5.0 - 27.0	ug/L
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)				

Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Jul-06 9:23:00 AM EDT	LifeLabs {Lab 5687}

Dehydroepiandrosterone Sulphate

Dehydroepiandrosterone Sulfate	H	13.7	< 9.8	umol/L
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Specimen Type	Collection Date	Specimen Collected By
SERUM	2025-Jul-06 9:23:00 AM EDT	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	Collection Date	Specimen Collected By
SERUM	2025-Jul-06 9:23:00 AM EDT	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
{MD# 115616}

Ordering Facility
LifeLabs
{Lab 5687}

Address
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