

North Brampton Medical Centre

6475 Mayfield Road Unit 106 - 107

Brampton ON, Canada

L6P 4N2

Fax Cover Sheet

To: Dr. Harpreet Singh Bajaj

Phone: (905) 595-0560

Fax: (905) 595-0562

Date: 2025-Oct-22

From: Dr. Jarnail Singh Vanvat

Phone: (905) 840-5000

Fax: (905) 840-2020

Number of pages including cover: 7

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Re: Sarthak Verma

Dr. Jarnail Singh Vanvat

North Brampton Medical Centre, 6475 Mayfield Road, Brampton, ON
Phone: (905) 840-5000 Fax: (905) 840-2020

2025-Oct-22

Dr. Bajaj
2979 Bovaird Dr E
Brampton, ON L6S 0C6

Patient: Mr. Sarthak Verma
HCN: 8083 080 377DM
Birthdate: 2003-Aug-25
Phone: H: (647) 968-2000 C: (647) 808-0005
Address: 19 Vanderbrink Drive
Brampton, ON L6R 0E5

REQUEST FOR CONSULTATION

Dear Dr. Bajaj,

Please see Sarthak, a 22 year old male for low testosterone

Medical History: ALLERGIC RHINITIS
HYPERLIPIDEMIA - Diet
OBESITY
ASTHMA
FATTY LIVER - Dr Salyani

Chronic Medications: Ventolin 1-2 puffs qid PRN
Flovent 125mcg 1-2 puffs BID
Reactine PRN
Beclomethasone prn

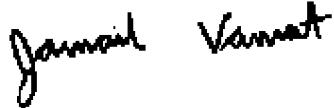
Known Allergies: No Known Drug Allergies

Relevant findings and investigations are attached.

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

Your participation in his/her care will be highly appreciated.

Sincerely,



Jarnail Singh Vanvat, MD
Billing #: 021739

Electronically Reviewed to Expedite Delivery

Enclosures

2025-Oct-16 - FREE TESTOSTERONE

2025-Oct-16 - CREATININE

2025-Oct-16 - URATE
2025-Oct-16 - HOURS FASTING
2025-Oct-16 - CHOLESTEROL
2025 Oct 16 TRICLYCERIDES
2025-Oct-16 - HDL CHOLESTEROL
2025-Oct-16 - LDL CHOLESTEROL CALC.
2025-Oct-16 - NON-HDL-CHOLESTEROL(CALC
2025-Oct-16 - TC/HDL-C RATIO
2025-Oct-16 - VITAMIN B12
2025-Oct-16 - FERRITIN
2025-Oct-16 - SODIUM
2025-Oct-16 - POTASSIUM
2025-Oct-16 - CK
2025-Oct-16 - ALT
2025-Oct-16 - TSH
2025-Oct-16 - HEMOGLOBIN A1c
2025-Oct-16 - TESTOSTERONE
2025-Oct-16 - HEMOGLOBIN
2025-Oct-16 - HEMATOCRIT
2025-Oct-16 - RBC
2025-Oct-16 - RBC INDICES: MCV
2025-Oct-16 - MCH
2025-Oct-16 - MCHC
2025-Oct-16 - RDW
2025 Oct 16 WBC
2025-Oct-16 - PLATELETS
2025-Oct-16 - MPV
2025-Oct-16 - URINALYSIS CHEMICAL
2025-Oct-16 - DIFFERENTIAL WBC'S

Lab Results: GDML

Patient VERMA, SARTHAK

Home Phone

(647)968-2000

Work Phone

Health # 8083080377

Sex

M

Patient ID

2012

Age 22 years

DOB 2003-Aug-25

Comments: FAX#: 905-840-2020

Lab Order #: 50-29756601

Ordered By: J.S. VANVAT

Reported By: GDML

Collection Date: 2025-Oct-16

Reported Date: 2025-Oct-16 9:29 PM

Flags	Results	Ref Range	Units
N	164	160. - 699.00	pmol/L

FREE TESTOSTERONE

FREE TESTOSTERONE (F)

160 - 699 pmol/L

Free testosterone is estimated from measured total testosterone and sex hormone-binding globulin using Vermeulen's algorithm

[J Clin Endocrinol Metab 84 (10):3666-3672, 1999].

CREATININE

CREATININE (F)

eGFR (F)

>=60 mL/min/1.73m**2

eGFR is calculated using the CKD-EPI 2021 equation which does not use a race-based adjustment.

N	83	60 - 110 umol/L	umol/L
N	118	60. - 99999.99	mL/min/1.73m**2

An eGFR result >=60 mL/min/1.73m**2 rules out CKD stage 3-5. Assessment of urine ACR is required to definitively rule out or confirm CKD diagnosis. 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.

URATE

URATE (F)

N	497	220 - 512 umol/L	umol/L
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The target for treatment of gout is a serum urate level < 360 umol/L (minimum). Lower serum concentrations may be required for alleviation of symptoms.

[Arthritis Care Research 64 (2012) 1431-1446]

HOURS FASTING

HOURS FASTING (F)

N	00	hours	hrs
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CHOLESTEROL

CHOLESTEROL (F)

< 5.20 mmol/L

Total cholesterol and HDL-C used for risk assessment and to calculate non-HDL-C.

TRIGLYCERIDES

TRIGLYCERIDES (F)

< 1.70 mmol/L

If nonfasting, triglycerides <2.00 mmol/L desired.

H	3.25	< -1.69	mmol/L
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HDL CHOLESTEROL

HDL CHOLESTEROL (F)

mmol/L

M: >=1.00 mmol/L

HDL-C <1.00 mmol/L indicates risk for metabolic syndrome.

L	0.86	1.00 - 9999.00	mmol/L
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LDL CHOLESTEROL CALC.

LDL CHOLESTEROL CALC. (F)

< 3.50 mmol/L

LDL-C was calculated using the NIH equation.

For additional LDL-C and non-HDL-C thresholds based on risk stratification, refer to 2021 CCS Guidelines.

N	1.97	< -3.49	mmol/L
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Triglycerides exceed 1.50 mmol/L. For dyslipidemia assessment, refer to apoB or non-HDL-C

NON-HDL-CHOLESTEROL(CALC)

NON-HDL-CHOLESTEROL(CALC) (F)

N	3.18	< 4.20 mmol/L	mmol/L
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TC/HDL-C RATIO

TC/HDL-C RATIO (F)

4.7

Patient VERMA, SARTHAK

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Health # 8083080377

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M

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Age 22 years

DOB 2003-Aug-25

Comments: FAX#: 905-840-2020

Lab Order #: 50-29756601

Ordered By: J.S. VANVAT Reported By: GDML

Collection Date: 2025-Oct-16

Reported Date: 2025 Oct 16 10:10 PM

Flags	Results	Ref Range	Units
N	278	221 - 918.	pmol/L

VITAMIN B12

VITAMIN B12 (F)

221 - 918 pmol/L

60% of symptomatic patients have a hematologic or neurologic response to B12 supplementation at a level < 148 pmol/L

Vitamin B12 Deficiency: < 148 pmol/L

Vitamin B12 Insufficiency: 148 to 220 pmol/L

FERRITIN

FERRITIN (F)

N	244	30 - 334 ug/L	ug/L
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In patients with concomitant inflammation, use Iron studies, including TIBC and Transferrin Saturation, to assess Iron Deficiency status.

In absence of concomitant inflammation, Ferritin levels can be interpreted as follows:

30-50: Probable iron deficiency

51-100: Possible iron deficiency, if risk factors are present

101-300: Iron deficiency unlikely

For guidance, see www.hemequity.com/raise-the-bar**SODIUM**

SODIUM (F)

N	139	136 - 146 mmol/L	mmol/L
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POTASSIUM

POTASSIUM (F)

N	4.5	3.7 - 5.4 mmol/L	mmol/L
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CK

CK (F)

N	179	<225 U/L	U/L
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ALT

ALT (F)

H	68	<46 U/L	U/L
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TSH

TSH (F)

N	2.30	0.35 - 5.00 mIU/L	mIU/L
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HEMOGLOBIN A1c

HEMOGLOBIN A1c (F)

N	5.4	< -5.99	%
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%

NON-DIABETIC: < 6.0 %

PREDIABETES: 6.0 - 6.4 %

DIABETIC: > 6.4 %

OPTIMAL CONTROL: < 7.0 %

SUB-OPTIMAL CONTROL: 7.0 - 8.4 %

INADEQUATE CONTROL: > 8.4 %

TESTOSTERONE

TESTOSTERONE (F)

L	4.7	M: 7.6 - 31.4 nmol/L	nmol/L
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HEMOGLOBIN

HEMOGLOBIN (F)

N	145	129 - 165 g/L	g/L
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Lab Order #: 50 20750001

Ordered By: J.S. VANVAT

Reported By: GDML

Collection Date: 2025-Oct-16

Reported Date: 2025-Oct-16 10:13 PM

	Flags	Results	Ref Range	Units
HEMATOCRIT				
HEMATOCRIT (F)	N	0.44	0.38 - 0.48 /L	L/L
RBC				
RBC (F)	N	5.1	4.2 - 5.8 x 10E12/L	x 10*12/L
RBC INDICES: MCV				
RBC INDICES: MCV (F)	N	86	80 - 98 fL	fL
MCH				
MCH (F)	N	29	24 - 33 pg	pg
MCHC				
MCHC (F)	N	331	313 - 344 g/L	g/L
RDW				
RDW (F)	N	14.8	12.5 - 17.3	
WBC				
WBC (F)	N	7.9	3.2 - 9.4 x 10E9/L	x 10*9/L
PLATELETS				
PLATELETS (F)	N	215	155 - 372 x 10E9/L	x 10*9/L
MPV				
MPV (F)	N	10.9	4.0 - 14.0 fL	fL
URINALYSIS CHEMICAL				
GLUCOSE (F)	N	NEG	NEGATIVE (mmol/L)	mmol/L
BILIRUBIN (F)	N	NEG	NEGATIVE	
KETONES (F)	N	NEG	NEGATIVE (mmol/L)	mmol/L
SPECIFIC GRAVITY (F)	N	1.022	1.005 - 1.030	
BLOOD (F)	N	NEG	NEGATIVE	
pH (F)	N	5.0	5.0 - 8.0	
PROTEIN (F)	N	NEG	NEGATIVE (g/L)	g/L
UROBILINOGEN (F)	N	3.2	3.2 - 16 umol/L	umol/L
NITRITE (F)	N	NEG	NEGATIVE	
LEUKOCYTES (F)	N	NEG	NEGATIVE	
COLOUR (F)	N	YELLOW	YELLOW	
APPEARANCE (F)	N	CLEAR	CLEAR	

Patient	VERMA, SARTHAK	Home Phone	(647)968-2000	Work Phone	
Health #	8083080377	Sex	M	Patient ID	2012
Age	22 years				
DOB	2003-Aug-25				

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	Flags	Results	Ref Range	Units
DIFFERENTIAL WBC'S				
NEUTROPHILS (F)	N	5.9	1.4 -6.3 x10E9/L	x 10*9/L
LYMPHOCYTES (F)	N	1.3	1.0 -2.9 x10E9/L	x 10*9/L
MONOCYTES (F)	N	0.3	0.2 -0.8 x10E9/L	x 10*9/L
EOSINOPHILS (F)	N	0.1	0.0 -0.5 x10E9/L	x 10*9/L
BASOPHILS (F)	N	0.00	0.00-0.09x10E9/L	x 10*9/L