Name	: Mr. ANOOP RAJENDRAN	
PID No.	: MED122272632	Register On : 11/11/2023 8:39 AM
SID No.	: 522317639	Collection On : 11/11/2023 1:50 PM
Age / Sex	: 36 Year(s) / Male	Report On : 11/11/2023 6:28 PM
Туре	: OP	Printed On : 13/11/2023 10:50 AM
Ref. Dr	: MediWheel	

#### Observed Unit Investigation **Biological** Value Reference Interval BLOOD GROUPING AND Rh 'AB' 'Positive' **TYPING** (EDTA Blood/Agglutination) INTERPRETATION: Note: Slide method is screening method. Kindly confirm with Tube method for transfusion. Complete Blood Count With - ESR 13.5 - 18.0 Haemoglobin 16.8 g/dL (EDTA Blood Spectrophotometry) Packed Cell Volume(PCV)/Haematocrit 49.7 % 42 - 52 (EDTA Blood) **RBC** Count 5.92 mill/cu.mm 4.7 - 6.0 (EDTA Blood) Mean Corpuscular Volume(MCV) 83.9 fL 78 - 100 (EDTA Blood) 27 - 32 Mean Corpuscular Haemoglobin(MCH) 28.3 pg (EDTA Blood) Mean Corpuscular Haemoglobin 33.7 g/dL 32 - 36 concentration(MCHC) (EDTA Blood) **RDW-CV** 13.9 11.5 - 16.0 % fL 40.82 39 - 46 **RDW-SD** Total Leukocyte Count (TC) 4000 - 11000 9000 cells/cu.m (EDTA Blood) m Neutrophils 52.3 % 40 - 75 (Blood) Lymphocytes 39.3 % 20 - 45 (Blood) 01 - 06 2.2 % Eosinophils (Blood)





The results pertain to sample tested.

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Monocytes (Blood)	5.8	%	01 - 10
Basophils (Blood)	0.4	%	00 - 02
INTERPRETATION: Tests done on Automated Fi	ve Part cell counter. Al	l abnormal results are r	eviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	4.71	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	3.54	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.20	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.52	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood)	0.04	10^3 / µl	< 0.2
Platelet Count (EDTA Blood)	325	10^3 / µl	150 - 450
MPV (Blood)	9.9	fL	7.9 - 13.7
PCT (Automated Blood cell Counter)	0.32	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	4	mm/hr	< 15
BUN / Creatinine Ratio	11.2		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	75.38	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

**INTERPRETATION:** Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.





The results pertain to sample tested.

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### Ref. Dr : MediWheel

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD-PAP)	92.67	mg/dL	70 - 140

#### **INTERPRETATION:**

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV/derived)	11.0	mg/dL	7.0 - 21
Creatinine (Serum/ <i>Modified Jaffe</i> )	0.98	mg/dL	0.9 - 1.3

**INTERPRETATION:** Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin ,cefazolin, ACE inhibitors ,angiotensin II receptor antagonists,N-acetylcyteine , chemotherapeutic agent such as flucytosine etc.

Uric Acid (Serum/Enzymatic)	6.61	mg/dL	3.5 - 7.2
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.67	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.18	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.49	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	20.06	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/ <i>Modified IFCC</i> )	35.91	U/L	5 - 41





The results pertain to sample tested.

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	95.81	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/ <i>Modified IFCC</i> )	89.9	U/L	53 - 128
Total Protein (Serum/ <i>Biuret</i> )	7.47	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	5.05	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.42	gm/dL	2.3 - 3.6
A : G RATIO (Serum/ <i>Derived</i> )	2.09		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	266.18	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	367.87	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >=500

**INTERPRETATION:** The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the õusualö"circulating level of triglycerides during most part of the day.

HDL Cholesterol	35.95	mg/dL	Optimal(Negative Risk Factor): >= 60
(Serum/Immunoinhibition)			Borderline: 40 - 59
			High Risk: < 40



Dr.Arjun C.P MBBS MD Pathology Reg No KMC \$9655

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The results pertain to sample tested.

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
LDL Cholesterol (Serum/Calculated)	156.6	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	73.6	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i> )	230.2	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

**INTERPRETATION:** 1.Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol. 2.It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.

Total Cholesterol/HDL Cholesterol Ratio (Serum/ <i>Calculated</i> )	7.4	Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/ <i>Calculated</i> )	10.2	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	4.4	Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

## Glycosylated Haemoglobin (HbA1c)



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ID No.	: MED122272632	Register On	: 11/11/2	2023 8:39 AM		
	: 522317639	Collection On : 11/11/2023 1:50 PM				
ge / Sex	: 36 Year(s) / Male	Report On	: 11/11/2	2023 6:28 PM		
уре	: OP	Printed On	: 13/11/2	2023 10:50 AM		
ef. Dr	: MediWheel					
Investiga	ation	<u>Obse</u> <u>Val</u>		<u>Unit</u>	Biological Reference Interval	
HbA1C (Whole Blo	ood/HPLC)	5	.4	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5	
INTERPI	RETATION: If Diabetes - Good	control : 6.1 - 7.0 %,	Fair control	l : 7.1 - 8.0 % , Poor c	control >= 8.1 %	
Estimate (Whole Blo	d Average Glucose	108	8.28	mg/dL		
control as Conditions hypertrighy Conditions	compared to blood and urinary gl s that prolong RBC life span like yceridemia,hyperbilirubinemia,Dr	ucose determinations Iron deficiency anemi ugs, Alcohol, Lead P cute or chronic blood	ia, Vitamin oisoning, A loss, hemo	B12 & Folate deficien splenia can give false lytic anemia, Hemogl		
control as Conditions hypertrigly Conditions ingestion, <b>THYROL</b> T3 (Triice	compared to blood and urinary gl s that prolong RBC life span like yceridemia,hyperbilirubinemia,Dn s that shorten RBC survival like a Pregnancy, End stage Renal disea ID PROFILE / TFT odothyronine) - Total	ucose determinations Iron deficiency anemi rugs, Alcohol, Lead P cute or chronic blood ase can cause falsely l	ia, Vitamin oisoning, A loss, hemo	B12 & Folate deficien splenia can give false lytic anemia, Hemogl	ncy, ely elevated HbA1C values.	
control as Conditions hypertrighy Conditions ingestion, <b>THYROM</b> T3 (Triio (Serum/EC <b>INTERPH</b> Comment Total T3 v	compared to blood and urinary gl s that prolong RBC life span like yceridemia,hyperbilirubinemia,Dr s that shorten RBC survival like a Pregnancy, End stage Renal disea <i>ID PROFILE / TFT</i> odothyronine) - Total <i>CLIA</i> <b>RETATION:</b> :: ariation can be seen in other cond	ucose determinations Iron deficiency anemi rugs, Alcohol, Lead P cute or chronic blood ase can cause falsely l 1.	ia, Vitamin poisoning, A l loss, hemo low HbA1c. 37	B12 & Folate deficies splenia can give false lytic anemia, Hemogl ng/ml	ncy, ely elevated HbA1C values. lobinopathies, Splenomegaly,Vitamin E	
control as Conditions hypertrighy Conditions ingestion, <b>THYRON</b> T3 (Tritio (Serum/EC <b>INTERPH</b> Comment Total T3 v. Metabolica	compared to blood and urinary gl s that prolong RBC life span like yceridemia,hyperbilirubinemia,Du s that shorten RBC survival like a Pregnancy, End stage Renal disea (D PROFILE / TFT) odothyronine) - Total (LIA) RETATION: :: ariation can be seen in other cond ally active. (xine) - Total	ucose determinations Iron deficiency anemi rugs, Alcohol, Lead P cute or chronic blood ase can cause falsely l 1. 1.	ia, Vitamin poisoning, A l loss, hemo low HbA1c. 37	B12 & Folate deficies splenia can give false lytic anemia, Hemogl ng/ml	ncy, ely elevated HbA1C values. lobinopathies, Splenomegaly,Vitamin E 0.7 - 2.04	
control as Conditions hypertrighy Conditions ingestion, T3 (Triio (Serum/EC INTERPH Comment Total T3 v. Metabolica T4 (Tyro (Serum/EC INTERPH Comment Total T4 v.	compared to blood and urinary gl s that prolong RBC life span like yceridemia,hyperbilirubinemia,Dn s that shorten RBC survival like a Pregnancy, End stage Renal disea <i>ID PROFILE / TFT</i> odothyronine) - Total <i>CLA</i> <b>RETATION:</b> : ariation can be seen in other cond ally active. (xine) - Total <i>CLA</i> <b>RETATION:</b> :	ucose determinations Iron deficiency anemi rugs, Alcohol, Lead P cute or chronic blood ase can cause falsely l 1. ition like pregnancy, 6.	ia, Vitamin oisoning, A loss, hemo low HbA1c. 37 drugs, neph 94	B12 & Folate deficien splenia can give false lytic anemia, Hemogl ng/ml nrosis etc. In such case μg/dl	ncy, ely elevated HbA1C values. lobinopathies, Splenomegaly,Vitamin E 0.7 - 2.04 es, Free T3 is recommended as it is	





The results pertain to sample tested.

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Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
INTEDDDET ATION.			

#### INTERPRETATION:

Reference range for cord blood - upto 20 1 st trimester: 0.1-2.5 2 nd trimester 0.2-3.0 3 rd trimester : 0.3-3.0 (Indian Thyroid Society Guidelines) **Comment :** 

1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI. 2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM. The variation can be of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.

3. Values&amplt,0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

## URINE ROUTINE

#### <u>PHYSICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>

Colour (Urine)	Yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	15	
<u>CHEMICAL EXAMINATION (UR</u> <u>COMPLETE)</u>	<u>INE</u>	
pH (Urine)	6.5	4.5 - 8.0
Specific Gravity (Urine)	1.020	1.002 - 1.035
Ketone (Urine)	Negative	Negative
Urobilinogen (Urine)	Normal	Normal
		Dr.Arjun C.P Dr.Arjun C.P Reg No KNIC S9655 APPROVED BY

The results pertain to sample tested.

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Blood (Urine)	Negative		Negative
Nitrite (Urine)	Negative		Negative
Bilirubin (Urine)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		
<u>MICROSCOPIC EXAMINATION</u> (URINE COMPLETE)			
Pus Cells (Urine)	0-1	/hpf	NIL
Epithelial Cells (Urine)	0-1	/hpf	NIL
RBCs (Urine)	NIL	/HPF	NIL
Others (Urine)	NIL		

**INTERPRETATION:** Note: Done with Automated Urine Analyser & Automated urine sedimentation analyser. All abnormal reports are reviewed and confirmed microscopically.

Casts (Urine)	NIL	/hpf	NIL
Crystals (Urine)	NIL	/hpf	NIL





-- End of Report --

The results pertain to sample tested.

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Name	MR.ANOOP RAJENDRAN	ID	MED122272632
Age & Gender	36Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

## ABDOMINO-PELVIC ULTRASONOGRAPHY

**LIVER** is normal in shape, size (15.0 cm) and shows increased echogenicity. No evidence of obvious focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER is partially distended. CBD is not dilated.

**PANCREAS** has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

**SPLEEN** shows normal shape, size and echopattern.

## **KIDNEYS**

**Right kidney:** Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

**Left kidney:** Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

-	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	11.5	1.7
Left Kidney	10.1	1.9

**URINARY BLADDER** shows normal shape and wall thickness. It has clear contents. No evidence of diverticula.

**PROSTATE** shows normal shape, size and echopattern.

No evidence of ascites.

## **IMPRESSION:**

- Grade II fatty infiltration of liver Suggested LFT correlation.
- No other significant abnormality detected.

DR. HEMANANDINI V.N CONSULTANT RADIOLOGIST Hn/Mi

Name	MR.ANOOP RAJENDRAN	ID	MED122272632
Age & Gender	36Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

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Age & Gender	36Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel	-	

# **2D ECHOCARDIOGRAPHIC STUDY**

# **M-mode measurement:**

AORTA	:	2.27	cms.
LEFT ATRIUM	:	2.48	cms.
AVS LEFT VENTRICLE	:	1.47	cms.
(DIASTOLE)	:	4.06	cms.
(SYSTOLE)	:	2.42	cms.
VENTRICULAR SEPTUM	:		
(DIASTOLE)	:	1.29	cms.
(SYSTOLE)	:	1.39	cms.
POSTERIOR WALL	:		
(DIASTOLE)	:	1.34	cms.
(SYSTOLE)	:	1.44	cms.
EDV	:	70	ml.
ESV	:	29	ml.
FRACTIONAL SHORTENING	:	38	%
EJECTION FRACTION	:	60	%
EPSS	:		cms.
RVID	:	1.80	cms.

# **DOPPLER MEASUREMENTS:**

MITRAL VALVE:	E - 0.8 m/s	A -0.6 m/s	NO MR.
AORTIC VALVE:	1.1 m/s		NO AR.
TRICUSPID VALVE: E -	0.4 m/s A -0.3	3 m/s	NO TR.
PULMONARY VALVE:	0.8 m/s		NO PR.

Name	MR.ANOOP RAJENDRAN	ID	MED122272632
Age & Gender	36Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

## **2D ECHOCARDIOGRAPHY FINDINGS:**

 Left Ventricle
 :
 Normal size, Normal systolic function.

:	No regional	wall	motion	abnormalities.

Left Atrium	:	Normal.
Right Ventricle :	Norm	al.
Right Atrium	:	Normal.
Mitral Valve	:	Normal. No mitral valve prolapsed.
Aortic Valve	:	Normal.Trileaflet.
Tricuspid Valve	:	Normal.
Pulmonary Valve	:	Normal.
IAS	:	Intact.
IVS	:	Intact.
Pericardium	:	No pericardial effusion.

## **IMPRESSION:**

• NORMAL SIZED CARDIAC CHAMBERS.

• NORMAL LV SYSTOLIC FUNCTION. EF: 60 %.

• NO REGIONAL WALL MOTION ABNORMALITIES.

• NORMAL VALVES.

• NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. YASHODA RAVI CONSULTANT CARDIOLOGIST

Name	MR.ANOOP RAJENDRAN	ID	MED122272632
Age & Gender	36Y/MALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

Name	Mr. ANOOP RAJENDRAN	Customer ID	MED122272632
Age & Gender	36Y/M	Visit Date	Nov 11 2023 8:39AM
Ref Doctor	MediWheel	-	

# X - RAY CHEST PA VIEW

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

Impression: No significant abnormality detected.

/

DR KARTHIK VIJAY DATTANI. MD., PDCC CONSULTANT RADIOLOGIST

**OPTICAL STORE** Unique Collection Ph: 9611444957 Vyalikaval Main road No:12 Lakshmi Nilaya, Ground Floor. 2nd Main Road, Vyalikaval, Bengaluru Karnataka - 560003 Name Aneop Rajendron Age 36/m Ph No. CHIEF COMPLAINTS RE/LE/BE: DOV / Blurring / Eyeache / Burning Itching / Pricking / Redness Visual Activity: PGLL TODS TODE Distance/ Near With PH With Glasses/CL Color Vision: RE LE SPH CYL AXIS VN SPH CYL AXIS VN Distance Near Advise: Constant Use / Near Use / Distance Only (Consultant Optometrist)



Patient	Anoop Rai	end	Date	Ilu	2 023	DIAGNOS experts who
Name Age		1 5 6	Visit			
Sex	36 47		Number		317639	
Sex	Mai	2	Corporate	Med	l'whee/	
GENERAL P	HYSICAL EXAMINAT	ION	· · ·			
Identification	Mark :					
Height : 17	3 cm	cms				
Weight: S	6 leg	kgs				
Weight: S Pulse: SG	5p	/minut	e			
	: 120/80-M	mm of	Hg			
вмі : 2	8.7					
Normal we	TATION ht = <18.5 ight = 18.5–24.9 it = 25–29.9			1925 - 1931 - 1931 - 1931 - 1932 - 1932 - 1932 - 1932 - 1932 - 1932 - 1932 - 1932 - 1932 - 1932 - 1932 - 1932 -	· · · · · · · · · · · · · · · · · · ·	
Chest :				. i		•
Expiration :	gren	cm	S			
Inspiration :	10?~	cm	s			
Abdomen Me	asurement : 107	cm	s			
Eyes : Cli ~ ī	ically AAD		s: N41)		, At	1.1.1
Throat : cli.	iver siglitedre	Neo	ck nodes : 📈	, chubi	adenopalt	) hope
	A+ (+) (NVB))	CVS	S: Sisce			- Aller -
PA : Soft,	nontender	CNS	: confeir	ns for	ented	
No abnormalit	y is detected. His / Her ge					
NOTE : MEDICAL FIT FOR EMPLOYMENT YES / NO						

Signature

Sector 1

Dr. RITESH RAJ, MBBS General Physician & Diabetologies KMC Reg. No: 85875

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