

BANGKOK HOSPITAL CHANGMAI			
88/8 Moo 6 Superhighway Rd., Nongpakhrang District, Amphor Mueang, Chiangmai 50000, Thailand			testing 123
Tel: 66 5208 9888 Fax: 66 5208 9800			
Patient Name: MIKHAIL YURVEVICH YURCHENKO		Sex: Male	Age: 27
Hospital Number: 36-18-016384		Lab Episode: 360193002	
Collected Date/Time: 21 Sep 2018 13:05		Specimen Received on Date/Time: 21 Sep 2018 16:21	
Location: Health Promotion Center		Room/Bed: -	
Doctor: พญ. บิศา วัฒนพันธ์พิทักษ์		Company: BCM	
TEST NAME	RESULT	UNIT	REFERENCE RANGE
Complete Blood Count			
Total WBC	5.97	*10 ³ /mm ³	(4.00-10.00)
Red Blood Cells	4.84	*10 ⁶ /mm ³	(4.50-6.00)
Hemoglobin (Hb)	14.60	g/dL	(14.1-18.1)
Hematocrit (HCT)	41.0 L	%	(43.5-53.7)
Mean Cell Volume	84.7	fL	(80.0-95.0)
Mean Cell Hemoglobin	30.2	pg	(27.0-32.0)
Mean Cell Hb Concentration	35.6	g/dL	(32.0-36.0)
RBC Distribution Width	11.9	%	(9.0-15.0)
RBC Morphology	Normochromic	Normocytic RBC	
WBC Differential			
Neutrophils	57.4	%	(46.5-75.0)
	3427	/mm ³	(2000-7500)
Lymphocytes	31.8	%	(12.0-44.0)
	1898	/mm ³	(1500-4000)
Monocytes	6.0	%	(0.0-11.2)
	358	/mm ³	(200-1000)
Eosinophils	4.0	%	(0.0-9.5)
	239	/mm ³	(40-700)
Basophil	0.8	%	(0.0-2.5)
	48	/mm ³	(0-200)
Platelet Count	266	10 ³ /mm ³	(150-450)
Mean Plateley Volume	10.5	fL	(6.0-12.0)
Platelet Comment	Adequate		
	✓ Normal red blood cell, white blood cell and platelet count.		
Blood Urea Nitrogen	15.00	mg/dL	(6.00-20.00)
Creatinine	1.03	mg/dL	(0.67-1.17) }
eGFR (African-American)	104.99	ml/min/1.73 m ²	} Normal kidney function
eGFR (Non African-American)	86.63	ml/min/1.73 m ²	}
eGFR for Thai	110.33	ml/min/1.73 m ²	}
eGFR Comment: Calculated by IDMS – traceable MDRD Study Equation This equation should only be used for patients 18 and older.			

	Ovulation	4.7-21.5	mIU/ml												
	Luteal	1.7-7.7	mIU/ml												
	Postmenopause	25.8-134.8	mIU/ml												
Testosterone															
Testosterone		6.60	ng/mL												
		660.00	ng/mL												
Reference Range															
Testosterone;	Males (20-49 yrs)	249-836	ng/dL												
	Males (>=50 yrs)	193-740	ng/dL												
	Females (20-49 y)	8-48	ng/dL												
	Females (>=50 y)	3-40	ng/dL												
Sex Hormone Binding Globulin															
Sex Hormone Binding Globulin		54.47	nmol/L												
Reference Range: Sex hormone binding globulin;															
	Male (20-49 yrs)	18.3-54.1	nmol/L												
	Male (>=50 yrs)	20.6-76.7	nmol/L												
	Female (20-49 yr)	32.4-128	nmol/L												
	Female (>=50 yr)	27.1-128	nmol/L												
Dehydroepiandrosterone Sulphate (DHEAS) (Immulate) ✓ Good adrenal gland function (anti-stress hormone)															
DHEA-Sulphase		301.00	ug/dl			(80.00-560.00)									
Cortisol (Blood) ✓ Good adrenal gland function (stress hormone)															
Cortisol		7.380	ug/dL												
Reference Range,															
Morning hours 6-10 a.m., 6.02-18.4 ug/dL															
Afternoon hours 4-8 p.m., 2.68-10.5 ug/dL															
Insulin ✓ Good insulin hormone — far away from diabetes.															
Insulin (Fasting)		5.61	uU/ml			(2.60-24.90)									
IGFBP3															
IGFBP3		4.25	ug/ml			(3.50-7.60)									
IGF1 (Insulin like Growth hormone Factor)															
IGF1		150.00	ng/ml			(88.00-537.00)									
✓ Low growth hormone - poor repairing system															
cell age older than chronological age —															
Remark: H = Above reference range, L = Below reference range															
Reported by: Pitchaporn Rungsee, MT15725 on 23 Sep 2018 14:22								Test to follow: All Test Complete							
Authorised by: Pasapong Temeesiw, MT6110 on 23 Sep 2018 15:41								Print Date and time: 24 Sep 2018 10:03							

*** FINAL REPORT. Please File ***

Reference Ranges IGF-1

Pediatric

Age (yr)	Gender	Range (ng/mL)	Median
0 to 3	Male	<15-189	44
4 to 6	Male	47-231	96
7 to 9	Male	55-222	132
10 to 11	Male	95-315	177
12 to 13	Male	95-460	305
14 to 15	Male	211-512	322
16 to 18	Male	57-426	284
0 to 3	Female	<15-272	68
4 to 6	Female	55-248	105
7 to 9	Female	80-344	139
10 to 11	Female	96-545	248
12 to 13	Female	147-549	323
14 to 15	Female	208-444	317
16 to 18	Female	176-429	291

Adult ranges

Age (yr)	Gender	Range (ng/mL)	Median
19 to 21	Male & Female	105-346	207
22 to 24	Male & Female	107-367	175
25 to 29	Male & Female	88-537	160
30 to 34	Male & Female	41-246	136
35 to 39	Male & Female	57-241	126
40 to 44	Male & Female	43-209	122
45 to 49	Male & Female	74-196	120
50 to 54	Male & Female	55-248	108
55 to 59	Male & Female	36-200	108
60 to 64	Male & Female	51-187	112
65 to 69	Male & Female	37-219	110
70 to 79	Male & Female	24-200	92
80 to 90	Male & Female	17-323	94