

Examination results

Order date: 01/09/2021 Order No: 26396180
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2014 Контракт: Вівере Київ
 Age: 6 Y 9 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419515**

High attention zone

Parameter	Result	Unit	Reference range
-----------	--------	------	-----------------

Bio/immunochemistry

Homocysteine	4.7	μmol/L	Children (up to 15 years): up to 10.0 Adults: 15 - 65 years: up to 15.0 over 65 years: up to 20.0 Pregnancy: up to 10.0 For Folate supplemented: Children (up to 15 years): up to 8.0 Adults: 15 - 65 years: up to 12.0 over 65 years: up to 16.0 Pregnancy: up to 8.0
Total Thyroxine (T4 total)	9.14	μg/dL	Children: up to 12 mo.: 9.7 - 19.1 1-6 years: 9.2 - 15.1 7-12 years: 7.6 - 13.7 13-17 years: 6.4 - 13.4 Adults: 5.1 - 14.1 Method: Electrochemiluminescence Immunoassay (ECLIA) Reagents: Roche Diagnostics (Switzerland) Analyzer: Cobas 8000/Cobas Pro/Cobas 6000/Cobas e411 (Switzerland)
Neuron-specific enolase (NSE)	16.43	ng/mL	up to 16.3 Method: Electrochemiluminescence Immunoassay (ECLIA) Reagents: Roche Diagnostics (Switzerland) Analyzer: Cobas 8000/Cobas Pro/Cobas 6000/Cobas e411 (Switzerland)
Antistreptolysin-O (ASL-O)	< 20	IU/mL	Children: up to 150.0 Adults: up to 200.0
γ-glutamyl transferase (GGT)	6	U/L	Women: 5.0 - 36.0 Men: 8.0 - 61.0
Lactate dehydrogenase (LDH)	207	U/L	Children: 4-20 days: 225.0 - 600.0 20 days- 2 years: up to 430.0 2 years-15 years: 120.0 - 300.0 Women: 135.0 - 214.0 Men: 135.0 - 225.0

Examination results

Order date: 01/09/2021 Order No: 26396180
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2014 Контракт: Вівере Київ
 Age: 6 Y 9 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419515**

High attention zone

Parameter	Result	Unit	Reference range
Alkaline Phosphatase (ALP)	177	U/L	Children: 0 - 14 days of life: 83.0 - 248.0 15 days of life - <1 year: 122.0 - 469.0 1 - <10 years: 142.0 - 335.0 10 - <13 years: 129.0 - 417.0 Children (M): 13 - <15 years: 116.0 - 468.0 15 - <17 years: 82.0 - 331.0 17 - <19 years: 55.0 - 149.0 Children (W): 13 - <15 years: 57.0 - 254.0 15 - <17 years: 50.0 - 117.0 17 - <19 years: 45.0 - 87.0 Adults (over 19 years): Men: 40.0 - 129.0 Women: 35.0 - 104.0
Ceruloplasmin	0.19	g/L	Men: 0.15 - 0.30 Women: 0.16 - 0.45
Bicarbonate	21	mmol/L	22.0 - 29.0
Tumor marker protein S-100	0.127	µg/L	up to 0.105
25-hydroxyvitamin D, 25-(OH)D	30.89	ng/mL	Children: Deficit: <15.0 Insufficiency: 15.0 - <20.0 Optimum level: 20.0 - 100.0* Adults: Deficit: <20.0 Insufficiency: 20.0 - <30.0 Optimum level: 30.0 - 100.0 * Taking into account the recommendations of the American Academy of Pediatrics and Wagner CL et al. Pediatrics 2008. Method: Competitive immunoassay using a luminescent reagent Reagents: Siemens Healthcare Diagnostics (Germany) Analyzer: Atellica IM 1600 (Germany)

Immunology-ELISA

Antinuclear antibodies (ANA, method IFT)	<1:100	Titer	<1:100 - negative result
Yersinia spp., IgA antibodies (Western blot)			
p46 (YopM)	not detected		not detected
p44 (YopH)	not detected		not detected
p38 (LorV)	not detected		not detected
p36 (YopD)	not detected		not detected

Examination results

Order date: 01/09/2021 Order No: 26396180
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2014 Контракт: Бівере Київ
 Age: 6 Y 9 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419515**

High attention zone

Parameter	Result	Unit	Reference range
Yersinia spp., IgA antibodies (Western blot)			
p34 (YopN)	not detected	not detected	
p30 (YopP)	not detected	not detected	
p25 (YopE)	not detected	not detected	
IgA	not detected	not detected	

IMD Germany

Vitamin B6	47.2	µg/L	12.6 - 45.2
Serotonin	234	µg/L	80.0 - 400.0
Copper	14.3	µmol/L	Children: up to 1 mo.: 7.6 - 11.3 1 mo. - 6 years: 9.4 - 20.5 6 - 17 years: 10.4 - 21.4 Adults: Men: 11.0 - 22.0 Women: 12.0 - 24.0

Package # 30.1 (Complex immunological research)

Immunoglobulin A (IgA, serum)	1.61	g/L	Children: 0-1 year: up to 0.83 1-3 years: 0.20 - 1.00 4-6 years: 0.27 - 1.95 7-9 years: 0.34 - 3.05 10-11 years: 0.53 - 2.04 12-13 years: 0.58 - 3.58 14-15 years: 0.47 - 2.49 16-19 years: 0.61 - 3.48 Adults: 0.70 - 4.00
Immunoglobulin M (IgM, serum)	1.2	g/L	Children: 0-1 year: up to 1.45 1-3 years: 0.19 - 1.46 4-6 years: 0.24 - 2.10 7-9 years: 0.31 - 2.08 10-11 years: 0.31 - 1.79 12-13 years: 0.35 - 2.39 14-15 years: 0.15 - 1.88 16-19 years: 0.23 - 2.59 Adults: 0.40 - 2.30
Immunoglobulin G (IgG, serum)	8.95	g/L	Adults: 7.00 - 16.00

Examination results

Order date: 01/09/2021 Order No: 26396180
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2014 Контракт: Бівере Київ
 Age: 6 Y 9 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419515**

High attention zone

Parameter	Result	Unit	Reference range
Immunoglobulin E (IgE total, serum)	16.2	IU/mL	Children: Newborns: up to 1.5 up to 1 year: up to 15.0 1-5 years: up to 60.0 6-9 years: up to 90.0 10-15 years: up to 200.0 Adults: up to 100.0 Method: Electrochemiluminescence Immunoassay (ECLIA) Reagents: Roche Diagnostics (Switzerland) Analyzer: Cobas 8000/Cobas Pro/Cobas 6000/Cobas e411 (Switzerland) 6000/Cobas e411 (Switzerland)
Complement (C3C component)	0.93	g/L	0.9 - 1.8
Complement (C4 component)	0.17	g/L	0.1 - 0.4

Score lymphocyte subsets in blood

Your result is ready. Its interpretation is available in additional file. Interpretation of this type of immunological studies and further diagnosis is made only by physician-specialist.

Functional activity of immune cells/CIC

Your result is ready. Its interpretation is available in additional file. Interpretation of this type of immunological studies and further diagnosis is made only by physician-specialist.

Clinical analysis of blood (automated with WBC differential)

Erythrocyte sedimentation rate (ESR)	2	mm/h	Normative values (Westergren's method): Children up to 17 years: up to 10.0 Men (17 - 50 years): up to 15.0 Men (over 50 years): up to 20.0 Women (17 - 50 years): up to 20.0 Women (over 50 years): up to 30.0 It is executed by Alifax Test-1 analyzer
---	----------	------	--

Complete blood count (CBC)

Methods/Laboratory equipment:

Complete blood count 6-DIFF with differentiation of leukocyte formula into 6 subpopulations of leukocytes (Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, Immature granulocytes) by Fluorescent Flow Cytometry technology on analyzers XN-2000/XN-1500/XN-1000/XN-550/XN-350/XN-330 (Sysmex, Japan). Intelligent wedge-shaped method of preparation and staining of blood smear on Sysmex SP-10 analyzers (Sysmex, Japan). Automated system of digital visualization and morphological analysis of blood cells on Sysmex DM-96 analyzers (Sysmex, Japan).

White blood cells (WBC)	6.84	10 ⁹ cell/L	Children: up to 1 year: 6.5-12.5 1-3 years: 5.0-12.0 3-6 years: 4.5-10.0 6-16 years: 4.3-9.5 Adults: 4.0-9.0
-------------------------	-------------	------------------------	--

Examination results

Order date: 01/09/2021 Order No: 26396180
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2014 Контракт: Вівере Київ
 Age: 6 Y 9 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419515**

High attention zone

Parameter	Result	Unit	Reference range
Complete blood count (CBC)			
Red blood cells (RBC)	4.45	10 ¹² cell/L	Children: up to 1 year: 3.3-4.9 1-6 years: 3.5-4.5 6-12 years: 3.5-4.7 12-16 years: 3.6-5.1 Adults: Men: 4.0-5.0 Women: 3.7-4.7 Hydrodynamic focusing with impedance method (direct determination method)
Hemoglobin (HGB)	118	g/L	Children: up to 1 year: 100-140 1-6 years: 110-145 6-16 years: 115-150 Adults: Men: 130-160 Women: 120-140 Cyanide-free SLS method
Hematocrit (HCT)	34.3	%	Children: up to 1 year: 32-49 1-16 years: 32-45 Adults: 35-54 Direct determination by conductometric method
Mean Corpuscular Volume (MCV)	77.1	fl	Children: up to 1 year: 77-100 1-16 years: 78-98 Adults: 76-96
Mean Corpuscular Hemoglobin (MCH)	26.5	pg	Children: up to 1 year: 28-35 1-16 years: 28-32 Adults: 27-33
Mean Corpuscular Hemoglobin Concentration (MCHC)	34.4	g/dL	32.0 - 36.0
Platelets (PLT)	396	10 ⁹ cell/L	Children: up to 1 year: 180-400 1-16 years: 160-390 Adults: 180-360 Hydrodynamic focusing with impedance method (direct determination method)
Red Blood Cell Distribution Width (RDW-SD)	33.5	fl	35.0 - 46.0
Red Blood Cell Distribution Width (RDW-CV)	12.2	%	12.0 - 15.0
Platelet Distribution Width (PDW)	14.7	%	10.0 - 20.0
Mean Platelet Volume (MPV)	11.8	fl	6.0 - 13.0
Platelet Crit (PCT)	0.47	%	0.1 - 0.5
Neutrophils (per 100 leukocytes)	11.4	%	Children: up to 1 year: 15-45 1-6 years: 25-60 6-12 years: 35-65 12-16 years: 40-65 Adults: 47-72
Neutrophils (abs.)	0.78	10 ⁹ cell/L	Adults: Women: 1.56 - 6.13 Men: 1.78 - 5.38

Laboratory test results cannot be a sole ground for diagnosis.

Only doctor can interpret results and make a diagnosis.

Samples processing and results' issuing is performed using laboratory information system SILAB

Examination results

Order date: 01/09/2021 Order No: 26396180
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2014 Контракт: Вівере Київ
 Age: 6 Y 9 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419515**

High attention zone

Parameter	Result	Unit	Reference range
Complete blood count (CBC)			
Lymphocytes (per 100 leukocytes)	71.2	%	Children: up to 1 year: 38-74 1-6 years: 25-60 6-12 years: 24-54 12-16 years: 22-50 Adults: 19-37
Lymphocytes (abs.)	4.87	10 ⁹ cell/L	Adults: Women: 1.18 - 3.74 Men: 1.32 - 3.57
Monocytes (per 100 leukocytes)	11.8	%	Children: up to 1 year: 2-12 1-16 years: 2-10 Adults: 3-10
Monocytes (abs.)	0.81	10 ⁹ cell/L	Adults: Women: 0.24 - 0.82 Men: 0.30 - 0.82
Eosinophils (per 100 leukocytes)	4.1	%	Children: up to 1 year: 0.5-7.0 1-16 years: 0.5-6.0 Adults: 0.5-5.0
Eosinophils (abs.)	0.28	10 ⁹ cell/L	Adults: Women: 0.04 - 0.36 Men: 0.04 - 0.54
Basophils (per 100 leukocytes)	1.5	%	0.0 - 1.0
Basophils (abs.)	0.1	10 ⁹ cell/L	0.01 - 0.08
Immature granulocytes (per 100 leukocytes)	0	%	* Children: up to 2 years: ≤0.4 2-5 years: ≤0.3 5-10 years: ≤0.4 10-18 years: ≤1.1 Adults: 18-20 years: ≤1.1 20-60 years: ≤0.9 over 60 years: ≤1.1 * According to the recommendations provided by Roehrl et al., Reference Ranges for Immature GranulocytesArch PatholLab Med — Vol 135, 2011 ** Pregnant women: I trimester: ≤0.92 II trimester: ≤2.00 III trimester: ≤3.80 ** According to the recommendations provided by Ling-Ling Yuet al., Changes and reference intervals of immature granulocytes in the peripheral blood of women according to pregnancy trimesterInt J Clin Exp Med 2016; 9 (5): 8169-8175

Examination results

Order date: 01/09/2021 Order No: 26396180
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2014 Контракт: Вівере Київ
 Age: 6 Y 9 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419515**

High attention zone

Parameter	Result	Unit	Reference range
Complete blood count (CBC)			
Immature granulocytes (abs.)	0	10 ⁹ cell/L	* Children: up to 1 year: ≤0.05 1-10 years: ≤0.04 10-18 years: ≤0.13 Adults: 18-20 years: ≤0.13 20-60 years: ≤0.06 over 60 years: ≤0.08 * According to the recommendations provided by Roehrl et al., Reference Ranges for Immature Granulocytes Arch Pathol Lab Med — Vol 135, 2011 ** Pregnant women: I trimester: ≤0.091 II trimester: ≤0.247 Third trimester: ≤0.456 ** According to the recommendations provided by Ling-Ling Yuet al., Changes and reference intervals of immature granulocytes in the peripheral blood of women according to pregnancy trimester Int J Clin Exp Med 2016; 9 (5): 8169-8175

Remark:



Небильцова О.В.

Examination results

Order date: 02/10/2021 Order No: 26652696
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2013 Контракт: Вівере Київ
 Age: 7 Y 10 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419406**

High attention zone

Parameter	Result	Unit	Reference range
-----------	--------	------	-----------------

Urinalysis with microscopy of sediment

Urinalysis

Color	yellow		from light yellow to yellow
Transparency	cloudy		clear
Specific gravity	1.019	g/mL	1.002 - 1.030
pH	8		5.0 - 9.0
White blood cells	not detected	Leu/ μ L	not detected 25 =+ 100 =++ 500 =+++ Leukocytes are determined by leukocyte esterase's activity.
Bacteria	not detected		not detected
Protein	not detected	g/L	not detected 0.25 =+ 0.75 =++ 1.5 =+++ 5.0 =++++
Glucose	not detected	mmol/L	not detected 3 =+ 6 =++ 17 =+++ 56 =++++
Ketone bodies	not detected	mmol/L	not detected 0.5 =+ 1.5 =++ 5.0 =+++ 15 =++++
Urobilinogen	traces	μ mol/L	traces 17 =+ 68 =++ 135 =+++ 200 =++++
Bilirubin	not detected	μ mol/L	not detected 17 =+ 50 =++ 100 =+++
Red blood cells	not detected	Ery/ μ L	not detected 10 =+ 25 =++ 50 =+++ 150 =++++ 250 =+++++ Red blood cells are determined by pseudo-peroxidase's activity.

Microscopy of sediment

White blood cells	<5	/ μ L	<5
-------------------	--------------	-----------	----

Laboratory test results cannot be a sole ground for diagnosis.

Only doctor can interpret results and make a diagnosis.

Samples processing and results' issuing is performed using laboratory information system SILAB

Examination results

Order date: 02/10/2021 Order No: 26652696
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2013 Контракт: Вівере Київ
 Age: 7 Y 10 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419406**

High attention zone

Parameter	Result	Unit	Reference range
Microscopy of sediment			
Red blood cells	<5	/μL	<5
Red blood cells (dysmorphism)	not detected		not detected
Squamous epithelial cells	not detected	/μL	not detected, 1-15
Transitional epithelial cells	not detected	/μL	not detected, 1-5
Renal epithelium cells	not detected		not detected
Bladder epithelial cells	not detected		not detected
Mucus	not detected		not detected
Hyaline casts	not detected		not detected
Erythrocyte casts	not detected		not detected
Leukocyte casts	not detected		not detected
Waxy casts	not detected		not detected
Granular casts	not detected		not detected
Epithelial casts	not detected		not detected
Crystals of tripelphosphate	not detected		not detected
Crystals of calcium oxalate	not detected		not detected
Crystals of uric acid (urate)	not detected		not detected
Crystals of ammonium biurata	not detected		not detected
Crystals of calcium carbonate	not detected		not detected
Crystals of bilirubin	not detected		not detected
Crystals of calcium phosphate	not detected		not detected
Crystals of phosphoric acid lime	not detected		not detected
Amorphous phosphates	positive		not detected
Amorphous urate	not detected		not detected
Bacteria	not detected		not detected
Yeast-like fungi	not detected		not detected
Trichomonas	not detected		not detected
Spermatozoa	not detected		not detected

Laboratory test results cannot be a sole ground for diagnosis.

Only doctor can interpret results and make a diagnosis.

Samples processing and results' issuing is performed using laboratory information system SILAB

Examination results

Order date: 02/10/2021 Order No: 26652696
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2013 Контракт: Вівере Київ
 Age: 7 Y 10 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004419406**

High attention zone



Parameter	Result	Unit	Reference range
-----------	--------	------	-----------------

Remark:

Солтан Марія Вікторівна

Handwritten signature

Patient Kjemali A.

Date 02.09.2021

Phagocytic activity of neutrophils

	Blood tests results	(Normal range)
Neutrophil myeloperoxidase activity	10,44	(18-23 c.u.)

Research № 010921-02

Kjemali A.

Патогени людини	Material for research	Blood test results
Streptococcus pneumonia	Venoud blood	Not found

Conclusion: in the venous blood sample of the studied pathogens were not detected.

Результати лабораторних досліджень не є достатньою основою для встановлення діагнозу.
Інтерпретація результатів та встановлення діагнозу здійснюється лише фахівцем- лікарем.

Дата отримання зразка для дослідження ____ 01/09/2021

Research № 030921-09

Patient Kiemali A.

Патогени людини	Material for research	Test results
HHV-6	Venous blood	+
HHV-7	Venous blood	+
Virus TT (TTV)	Venous blood	+
EBV	Venous blood	+

Заключення: у зразку венозної крові виявлено

DNA of HHV-6 1 000-10 000 v.p./ml

DNA of HHV-7 ~ 10 000 v.p./ml

DNA of TT-virus ~ 100 000 v.p./ml

DNA of EBV ~ 10 000 v.p./ml

Результати лабораторних досліджень не є достатньою основою для встановлення діагнозу.
Інтерпретація результатів та встановлення діагнозу здійснюється лише фахівцем- лікарем.

Дата отримання зразка для дослідження ____ 01/09/2021