

|            |            |               |            |            |                   |
|------------|------------|---------------|------------|------------|-------------------|
| Gender:    | Age:       | Weight(kg): ↓ | Pulse:     | Resp.rate: | Atm.pres:         |
| LCA: 35,09 | RCA: 35,14 | LAC: 35,58    | RAG: 35,65 | ABD: 34,02 | 175,48      99999 |

Preliminary computer conclusion about diagnosis:  
Hypoaicid gastritis is determined.  
Concentration of glucose in blood should be tested carefully.  
Spinal osteochondrosis is defined. Disorders of water-electrolytic metabolism is determined. Ca of plasma is changed (Ca of bone tissue).  
Width of the third ventricle of cerebrum.=6,05  
Derangement of atrioventricular (AV) conduction should be verified. It is necessary to monitor ECG in dynamics.  
Comprehensive cell mitosis regulation factor.↑↑  
Dopamine β-hydroxylase (DBH).↓↓  
Myocardial blood flow.↓  
Blood flow of other organs.↑↑  
pH of gastric juice.↑↑  
pH of blood.↓  
SH.↓  
(CO<sub>2</sub>) venous blood.↑  
Vital capacity of lungs (VC).↓↓  
Minute ventilation (VE)↑↑  
Peak expiratory flow (PEF).↓  
Working rate of oxygen consumption.↑↑  
Quantity of assimilated oxygen on 100 gr. of cerebral tissue.↓↓  
Quantity of assimilated oxygen on 100 gr. of cerebral tissue.=2,50  
O<sub>2</sub> consumption.(VO<sub>2</sub>)↑↑  
Low risk of atherosclerosis.  
Average blood pressure (MAP). norm 60-100) =99,1

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Signature of patient.

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Signature of patient.

The following parameters were simultaneously captured to issue the above preliminary report.

| No.:                                                |     | Parameter:                                                             | Norm:           | < | > |
|-----------------------------------------------------|-----|------------------------------------------------------------------------|-----------------|---|---|
| 1                                                   | 2   | Erythrocytes RBC. x10 <sup>12</sup> /l                                 | 4 - 5,6         |   | * |
| 2                                                   | 1   | Hemoglobin HGB. g/l                                                    | 125 - 175       |   | * |
| 3                                                   | 88  | Hematocrit.HCT %                                                       | 35 - 49         |   | * |
| 4                                                   | 12  | Thrombocytes. x10 <sup>9</sup> /l                                      | 180 - 320       |   | * |
| 5                                                   | 4   | Leukocytes WBC. x10 <sup>9</sup> /l                                    | 4,3 - 11,3      |   | * |
| 6                                                   | 3   | Lymphocytes. LYMPH %                                                   | 19 - 37         |   | * |
| 7                                                   | 8   | Monocytes.MONO %                                                       | 3 - 11          |   | * |
| 8                                                   | 42  | Glucose. mmol/l                                                        | 3,9 - 6,2       |   | * |
| 9                                                   | 35  | Cholesterol total. mmol/l                                              | 3,11 - 6,48     |   | * |
| 10                                                  | 38  | Low-density lipoproteins (LDL). mmol/l                                 | 2,7 - 3,37      | * |   |
| 11                                                  | 40  | High-density lipoproteins (HDL). mmol/l                                | 0,78 - 1,74     |   | * |
| 12                                                  | 41  | Triglycerides (TG). mmol/l                                             | 0,55 - 1,85     |   | * |
| 13                                                  | 25  | ALT. U/l                                                               | 5 - 30          |   | * |
| 14                                                  | 24  | AST. U/l                                                               | 8 - 40          |   | * |
| 15                                                  | 27  | Bilirubin, Total. μmol/l                                               | 8,6 - 20,5      |   | * |
| 16                                                  | 31  | Creatinine. μmol/l                                                     | 55 - 123        |   | * |
| 17                                                  | 34  | Urea. mmol/l                                                           | 2,1 - 8,2       |   | * |
| Hemogram:                                           |     |                                                                        |                 |   |   |
| 18                                                  | 1   | Hemoglobin HGB. g/l                                                    | 125 - 175       |   | * |
| 19                                                  | 2   | Erythrocytes RBC. x10 <sup>12</sup> /l                                 | 4 - 5,6         |   | * |
| 20                                                  | 4   | Leukocytes WBC. x10 <sup>9</sup> /l                                    | 4,3 - 11,3      |   | * |
| 21                                                  | 120 | Mean cell haemoglobin (MCH). pg                                        | 26 - 32         |   | * |
| 22                                                  | 121 | Mean cell volume (MCV). fl                                             | 81 - 94         |   | * |
| 23                                                  | 122 | Mean cell haemoglobin concentration (MCHC). g/l                        | 310 - 350       |   | * |
| 24                                                  | 123 | CPB (Color index of blood).                                            | 0,85 - 1,15     |   | * |
| 25                                                  | 3   | Lymphocytes. LYMPH %                                                   | 19 - 37         |   | * |
| 26                                                  | 5   | Segmented neutrophiles. NEUT %                                         | 47 - 72         |   | * |
| 27                                                  | 7   | Eosinophils. %                                                         | 0,5 - 5,8       |   | * |
| 28                                                  | 8   | Monocytes.MONO %                                                       | 3 - 11          |   | * |
| 29                                                  | 9   | Band neutrophiles. NEUT %                                              | 1 - 6           |   | * |
| 30                                                  | 6   | Erythrocyte sedimentation rate ESR. mm/h                               | 1 - 14          |   | * |
| Blood coagulation:                                  |     |                                                                        |                 |   |   |
| 31                                                  | 10  | Beginning of clotting (method of Lee-White). min                       | 0,5 - 2         |   | * |
| 32                                                  | 11  | End of clotting (method of Lee-White). min                             | 3 - 5           |   | * |
| 33                                                  | 12  | Thrombocytes. x10 <sup>9</sup> /l                                      | 180 - 320       |   | * |
| 34                                                  | 86  | Fibrinogen. g/l                                                        | 2 - 4           |   | * |
| 35                                                  | 87  | Prothrombin index (PI). %                                              | 75 - 104        |   | * |
| 36                                                  | 88  | Hematocrit.HCT %                                                       | 35 - 49         |   | * |
| Electrolyte metabolism:                             |     |                                                                        |                 |   |   |
| 37                                                  | 13  | Calcium (Ca). mmol/l                                                   | 2,25 - 3        |   | * |
| 38                                                  | 14  | Magnesium (Mg). mmol/l                                                 | 0,7 - 0,99      |   | * |
| 39                                                  | 15  | Potassium (K). mmol/l                                                  | 3,48 - 5,3      |   | * |
| 40                                                  | 16  | Sodium (Na). mmol/l                                                    | 136 - 145       |   | * |
| 41                                                  | 128 | Chloride (Cl). mmol/l                                                  | 98 - 107        |   | * |
| Functional parameters of stomach:                   |     |                                                                        |                 |   |   |
| 42                                                  | 17  | pH of gastric juice.                                                   | 1,2 - 1,7       |   | * |
| 43                                                  | 19  | SH.                                                                    | 7,32 - 7,4      | * |   |
| 44                                                  | 20  | Basal pressure of Oddi's sphincter mm Hg                               | 39 - 41         |   | * |
| Carbohydrate metabolism:                            |     |                                                                        |                 |   |   |
| 45                                                  | 33  | Lactic acid. mmol/l                                                    | 0,99 - 1,38     |   | * |
| 46                                                  | 42  | Glucose. mmol/l                                                        | 3,9 - 6,2       |   | * |
| 47                                                  | 43  | Glycogen. mg%                                                          | 11,7 - 20,6     |   | * |
| Liver function tests:                               |     |                                                                        |                 |   |   |
| 48                                                  | 22  | Aspartate transaminase (AST). mmol/l                                   | 0,1 - 0,45      |   | * |
| 49                                                  | 23  | Alanine transaminase (ALT). mmol/l                                     | 0,1 - 0,68      |   | * |
| 50                                                  | 26  | De Ritis ratio (AST/ALT).                                              | 0,8 - 1,2       |   | * |
| 51                                                  | 27  | Bilirubin, Total. μmol/l                                               | 8,6 - 20,5      |   | * |
| 52                                                  | 28  | Bilirubin, Direct. μmol/l                                              | 2,2 - 6,1       |   | * |
| 53                                                  | 29  | Bilirubin, Indirect. μmol/l                                            | 1,7 - 10,2      |   | * |
| 54                                                  | 130 | Alkaline phosphatase (ALP). μkat/L                                     | 0,5 - 2,02      |   | * |
| Protein metabolism:                                 |     |                                                                        |                 |   |   |
| 55                                                  | 30  | Protein, Total. g/l                                                    | 60 - 85         |   | * |
| 56                                                  | 133 | Serum albumin (ALB). g/l                                               | 34 - 45         |   | * |
| 57                                                  | 134 | Serum globulin (GLB). g/l                                              | 20 - 45         |   | * |
| 58                                                  | 138 | Colloid-Osmotic Pressure (COP).                                        | 23 - 28         |   | * |
| 59                                                  | 31  | Creatinine. μmol/l                                                     | 55 - 123        |   | * |
| 60                                                  | 32  | Dopamine β-hydroxylase (DBH). nmol/ml/min                              | 28 - 32,5       | * |   |
| 61                                                  | 34  | Urea. mmol/l                                                           | 2,1 - 8,2       |   | * |
| 62                                                  | 126 | Transferrin. mg/dl                                                     | 204 - 380       |   | * |
| Lipid metabolism:                                   |     |                                                                        |                 |   |   |
| 63                                                  | 41  | Triglycerides (TG). mmol/l                                             | 0,55 - 1,85     |   | * |
| 64                                                  | 38  | Low-density lipoproteins (LDL). mmol/l                                 | 2,7 - 3,37      | * |   |
| 65                                                  | 39  | Very low-density lipoproteins (VLDL). mmol/l                           | 0,2 - 0,52      |   | * |
| 66                                                  | 40  | High-density lipoproteins (HDL). mmol/l                                | 0,78 - 1,74     |   | * |
| 67                                                  | 35  | Cholesterol total. mmol/l                                              | 3,11 - 6,48     |   | * |
| 68                                                  | 36  | β- lipoprotein. g/l                                                    | 17 - 55         |   | * |
| 69                                                  | 37  | β- lipoprotein. mmol/l                                                 | 3 - 6           |   | * |
| 70                                                  | 132 | Atherogenic Coefficient (AC).                                          | 0,71 - 5,36     |   | * |
| 71                                                  | 135 | Atherogenic index of plasma (AIP).                                     | -0,3 - 0,11     |   | * |
| Water metabolism:                                   |     |                                                                        |                 |   |   |
| 72                                                  | 45  | Cellular water. %                                                      | 39 - 42         |   | * |
| 73                                                  | 46  | Total water. %                                                         | 50 - 70         |   | * |
| 74                                                  | 44  | Extracellular water. %                                                 | 21 - 23         |   | * |
| Hormones:                                           |     |                                                                        |                 |   |   |
| 75                                                  | 47  | Testosterone. μmol/24hours                                             | 6,93 - 17,34    |   | * |
| 76                                                  | 48  | Estrogen, Total . nmol/24hours                                         | 17,95 - 64,62   | * |   |
| 77                                                  | 49  | Thyroxine (T4),Total. nmol/l                                           | 59 - 135        |   | * |
| Enzymes:                                            |     |                                                                        |                 |   |   |
| 78                                                  | 50  | Amylase (W.T.Caraway). g/l*h                                           | 12 - 32         |   | * |
| 79                                                  | 51  | Acetylcholine. μg/ml                                                   | 81,1 - 92,1     |   | * |
| 80                                                  | 52  | Acetylcholinesterase of erythrocytes. μmol/l                           | 220 - 278       |   | * |
| 81                                                  | 54  | Tyrosine. mg**%(Zbarskiy B. I., 1972]                                  | 1,4 - 1,8       | * |   |
| 82                                                  | 55  | Creatine kinase MM (CK-MM). μmol/min/kg                                | 473 - 483       |   | * |
| 83                                                  | 56  | Creatine kinase MB (CK-MB). μmol/min/kg                                | 35,1 - 38,1     |   | * |
| Cell mitosis regulation:                            |     |                                                                        |                 |   |   |
| 84                                                  | 57  | Comprehensive cell mitosis regulation factor.                          | 3,7828 - 3,9372 |   | * |
| Internal blood flow, in % to total blood flow:      |     |                                                                        |                 |   |   |
| 85                                                  | 64  | Myocardial blood flow. %                                               | 4,32 - 5,02     | * |   |
| 86                                                  | 65  | Muscular blood flow. %                                                 | 14,56 - 16,93   |   | * |
| 87                                                  | 66  | Cerebral blood flow. %                                                 | 12,82 - 14,9    |   | * |
| 88                                                  | 67  | Hepatoportal blood flow. %                                             | 20,28 - 29,86   |   | * |
| 89                                                  | 68  | Nephritic blood flow. %                                                | 21,58 - 25,09   |   | * |
| 90                                                  | 69  | Skin blood flow. %                                                     | 7,9 - 9,19      |   | * |
| 91                                                  | 70  | Blood flow of other organs. %                                          | 5,76 - 6,7      |   | * |
| Internal blood flow, in ml/min:                     |     |                                                                        |                 |   |   |
| 92                                                  | 71  | Myocardial blood flow. ml/min                                          | 250 - 290,5     | * |   |
| 93                                                  | 72  | Muscular blood flow. ml/min                                            | 930 - 1081,4    |   | * |
| 94                                                  | 73  | Cerebral blood flow. ml/min                                            | 750 - 871,68    |   | * |
| 95                                                  | 74  | Hepatoportal blood flow. ml/min                                        | 1690 - 2488,33  |   | * |
| 96                                                  | 75  | Nephritic blood flow. ml/min                                           | 1430 - 1662,6   |   | * |
| 97                                                  | 76  | Skin blood flow. ml/min                                                | 500 - 581,65    |   | * |
| 98                                                  | 77  | Blood flow of other organs. ml/min                                     | 375 - 436,19    |   | * |
| Cerebral hemodynamics:                              |     |                                                                        |                 |   |   |
| 99                                                  | 82  | Cerebral blood flow on 100g of tissue. ml/100g                         | 50 - 55         |   | * |
| 100                                                 | 83  | Blood flow per 1gr of thyroid gland. ml/g                              | 3,7 - 4,3       |   | * |
| 101                                                 | 84  | Blood flow per 1gr of cerebral tissue. ml/g                            | 2,9 - 3,2       |   | * |
| 102                                                 | 85  | Cerebral spinal fluid pressure (CSF). mm H <sub>2</sub> O              | 90 - 145        |   | * |
| 103                                                 | 116 | Width of the third ventricle of cerebrum. mm                           | 4 - 6           |   | * |
| Functional parameters of cardio-respiratory system: |     |                                                                        |                 |   |   |
| 104                                                 | 78  | Pulmonary vascular resistance (PVR). dyn/cm5*sec                       | 160 - 250       | * |   |
| 105                                                 | 79  | Central venous pressure. mm H <sub>2</sub> O                           | 70 - 150        |   | * |
| 106                                                 | 80  | Time of pulmonary circulation. s                                       | 16 - 23         |   | * |
| 107                                                 | 81  | Time of systemic circulation. s                                        | 4 - 5,5         |   | * |
| 108                                                 | 21  | Energy Expenditure. kkal/kg/min                                        | 1,23 - 4,3      | * |   |
| 109                                                 | 61  | Oxygenation velocity of RBC. ml/min                                    | 260 - 280       |   | * |
| 110                                                 | 62  | Surface of gaseous exchange of RBC. m²                                 | 3500 - 4300     |   | * |
| 111                                                 | 63  | Deficit of circulatory blood. ml/kg                                    | 0 - 250         |   | * |
| 112                                                 | 89  | Vital capacity of lungs (VC). cm³.                                     | 3500 - 4300     | * |   |
| 113                                                 | 90  | Minute ventilation (VE) l/min                                          | 4 - 12          |   | * |
| 114                                                 | 91  | Functional residual capacity (FRC) cm³                                 | -----           |   | * |
| 115                                                 | 92  | Peak expiratory flow (PEF). l/min                                      | 74 - 116        | * |   |
| 116                                                 | 93  | Test Tiffeneau. %                                                      | 84 - 110        |   | * |
| 117                                                 | 94  | Working rate of oxygen consumption. %                                  | 45 - 60         |   | * |
| 118                                                 | 95  | Time of single load. min                                               | 3 - 10          |   | * |
| 119                                                 | 96  | Respiratory exchange ratio (RER).                                      | 0,8 - 1,2       |   | * |
| Oxygen transport and consumption:                   |     |                                                                        |                 |   |   |
| 120                                                 | 18  | pH of blood.                                                           | 7,36 - 7,45     | * |   |
| 121                                                 | 59  | Volume of circulatory blood. ml/kg                                     | 68 - 70         |   | * |
| 122                                                 | 60  | Cardiac output (CO). l/min                                             | 3,5 - 4,3       |   | * |
| 123                                                 | 97  | Transportation of oxygen(O <sub>2</sub> ). ml/min                      | 900 - 1200      |   | * |
| 124                                                 | 98  | Quantity of assimilated oxygen on 100 gr. of cerebral tissue. ml       | 2,8 - 3,4       | * |   |
| 125                                                 | 99  | Oxygen saturation in arterial blood (SaO <sub>2</sub> ). %             | 95 - 98         |   | * |
| 126                                                 | 100 | Oxygen consumption per kg of body weight. ml/min/kg                    | 4 - 6           |   | * |
| 127                                                 | 101 | O <sub>2</sub> consumption.(VO <sub>2</sub> ) ml/min                   | 200 - 250       |   | * |
| 128                                                 | 102 | Myocardial oxygen consumption. ml/min                                  | 7 - 10          |   | * |
| 129                                                 | 103 | Oxygen extraction index.                                               | 0,26 - 0,34     |   | * |
| Transport and elimination of CO <sub>2</sub> :      |     |                                                                        |                 |   |   |
| 130                                                 | 104 | CO <sub>2</sub> elimination. ml/min                                    | 119 - 300       |   | * |
| 131                                                 | 105 | (CO <sub>2</sub> ) in arterial blood. %                                | 32,5 - 46,6     |   | * |
| 132                                                 | 106 | (CO <sub>2</sub> ) venous blood. %                                     | 51 - 53         |   | * |
| 133                                                 | 107 | Rate of CO <sub>2</sub> production. ml/min                             | 150 - 340       |   | * |
| Functional parameters of cardio-vascular system:    |     |                                                                        |                 |   |   |
| 134                                                 | 108 | Vascular Permeability Index.                                           | 4,165 - 4,335   | * |   |
| 135                                                 | 109 | Stroke volume (SV). ml                                                 | 60 - 80         |   | * |
| 136                                                 | 110 | Interval PR. sec                                                       | 0,125 - 0,165   |   | * |
| 137                                                 | 111 | Interval QT. sec                                                       | 0,355 - 0,4     |   | * |
| 138                                                 | 112 | Interval QRS. sec                                                      | 0,065 - 0,1     |   | * |
| 139                                                 | 113 | Left ventricular Stroke Work Index. %                                  | 52 - 60         |   | * |
| 140                                                 | 114 | Systolic arterial pressure. mm Hg                                      | -----           |   | * |
| 141                                                 | 115 | Diastolic arterial pressure. mm Hg                                     | -----           |   | * |
| 142                                                 | 136 | Average blood pressure (MAP).                                          | 60 - 100        |   | * |
| 143                                                 | 58  | Plasma density. g/l                                                    | 1048 - 1055     |   | * |
| 144                                                 | 117 | Cardiac work. Joule                                                    | 0,692 - 0,788   |   | * |
| 145                                                 | 137 | Thrombolysis in Myocardial Infarction (TIMI) Risk Index.               | 4 - 28          |   | * |
| 146                                                 | 140 | Shock Index (SI).                                                      | 0,5 - 0,7       |   | * |
| -----                                               |     |                                                                        |                 |   |   |
| 147                                                 | 118 | eGFR [MDRD]. ml/min/1.73m²                                             | =>60            | * |   |
| 148                                                 | 119 | Estimated creatinine clearance rate(eClCr)(Cockroft and Gault). ml/min | 95 - 145        | * |   |
| 149                                                 | 124 | Cystatin C (CysC). mg/l                                                | 0,6 - 0,96      |   | * |
| 150                                                 | 125 | BUN. mg/dl                                                             | 6 - 23          |   | * |
| 151                                                 | 127 | Urine specific gravity. g/cm³                                          | 1005 - 1035     |   | * |
| 152                                                 | 129 | Ceruloplasmin (CP). g/l                                                | 0,15 - 0,6      |   | * |
| 153                                                 | 131 | Intracranial pressure (ICP). mmHg                                      | 7 - 15          |   | * |
| 154                                                 | 139 | Actual blood supply index (IK).                                        | -----           |   | * |

USPIH (For all countries excluding EU)