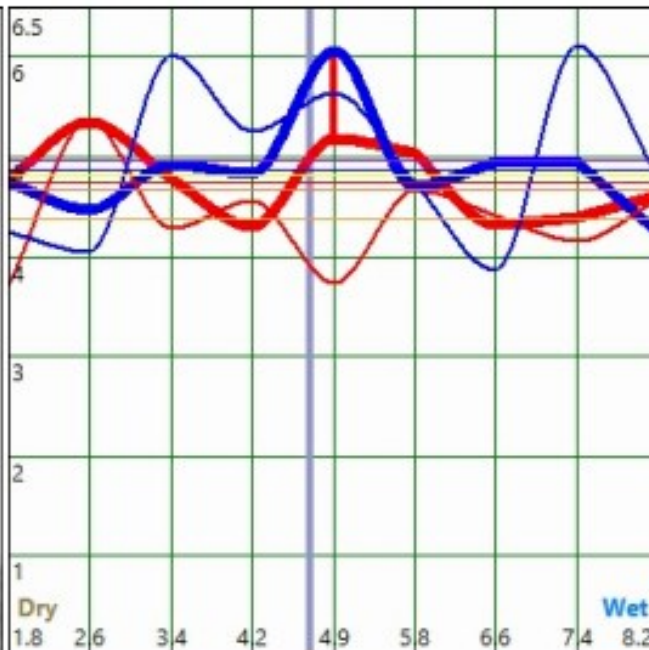
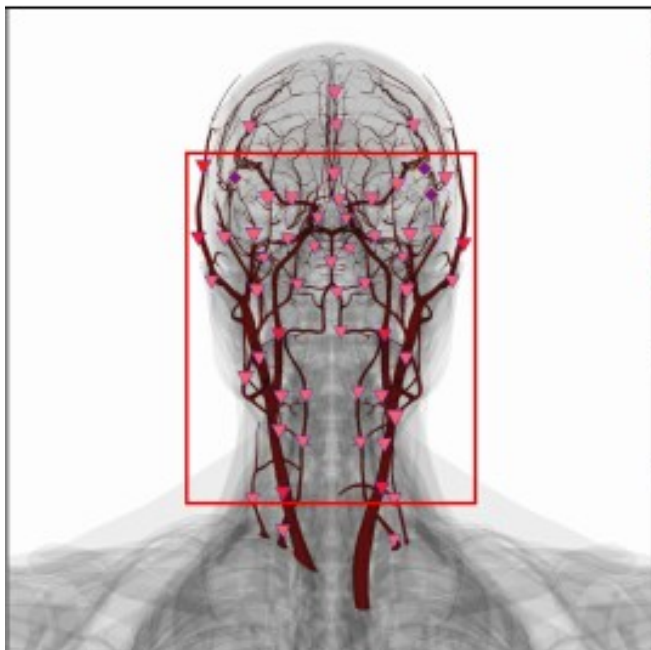
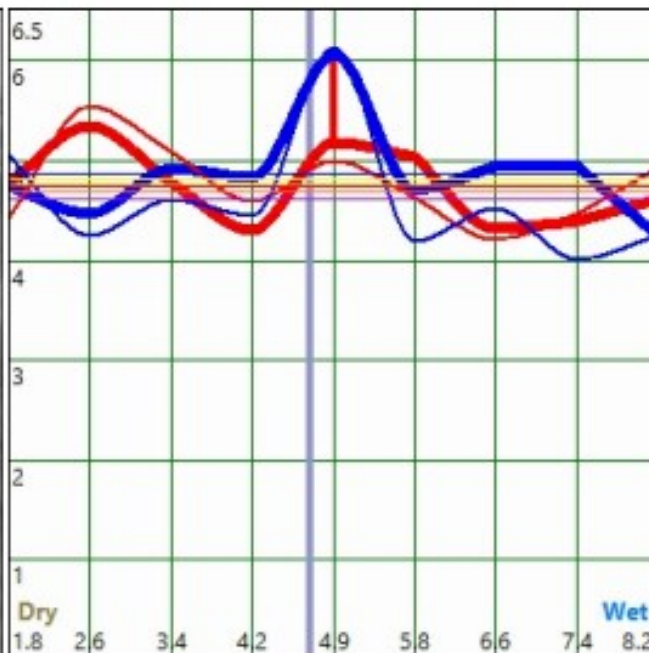
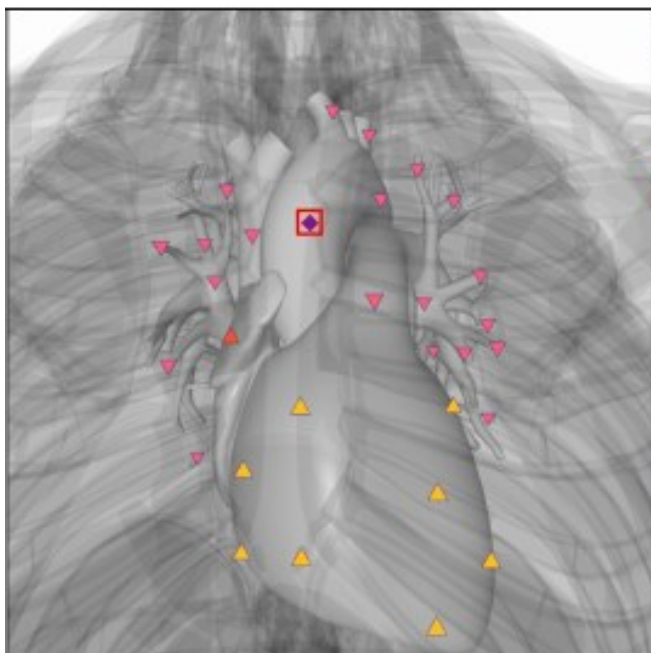


Name Surname, DOB, Age

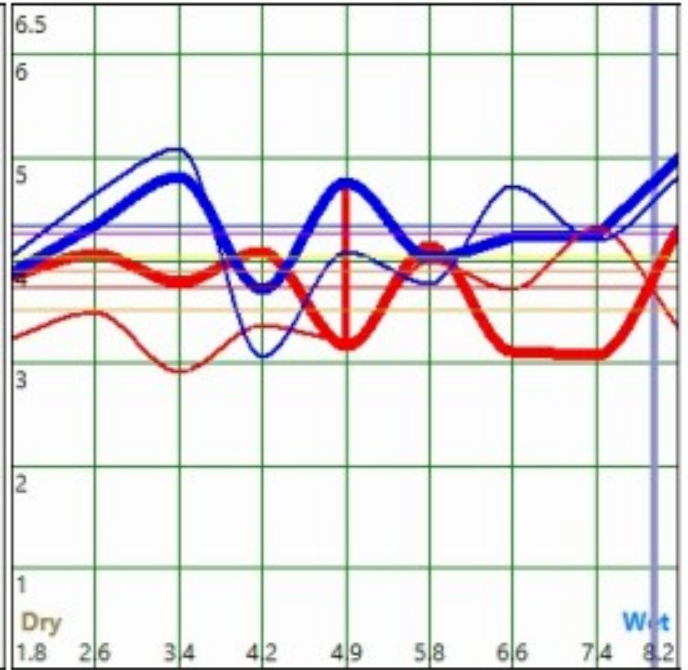
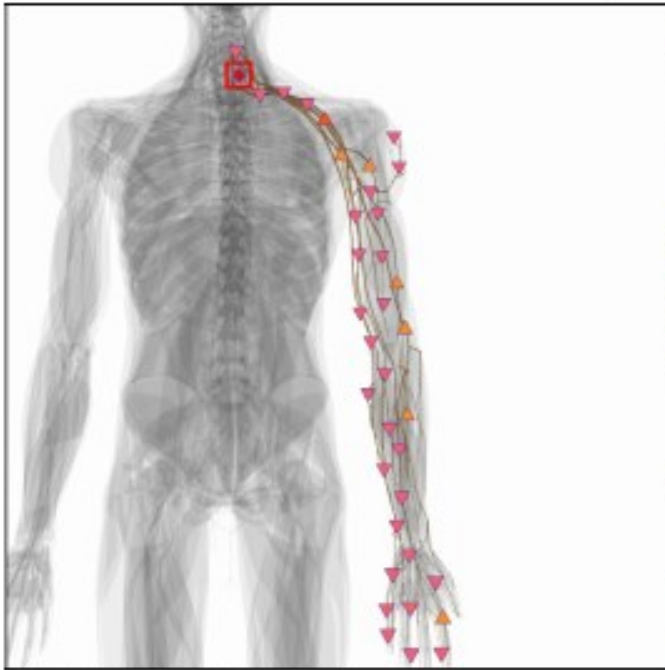


3/24/2026 CIRCULATORY SYSTEM
ESSENTIAL HYPERTENSION

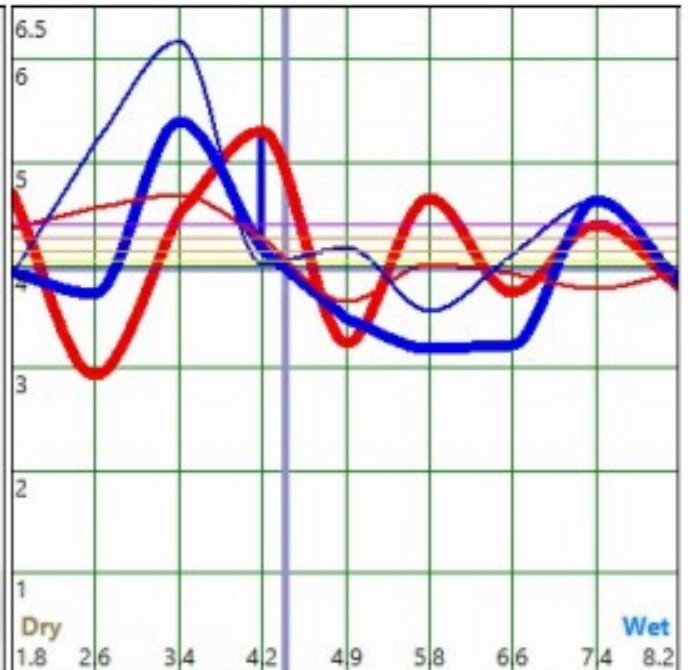
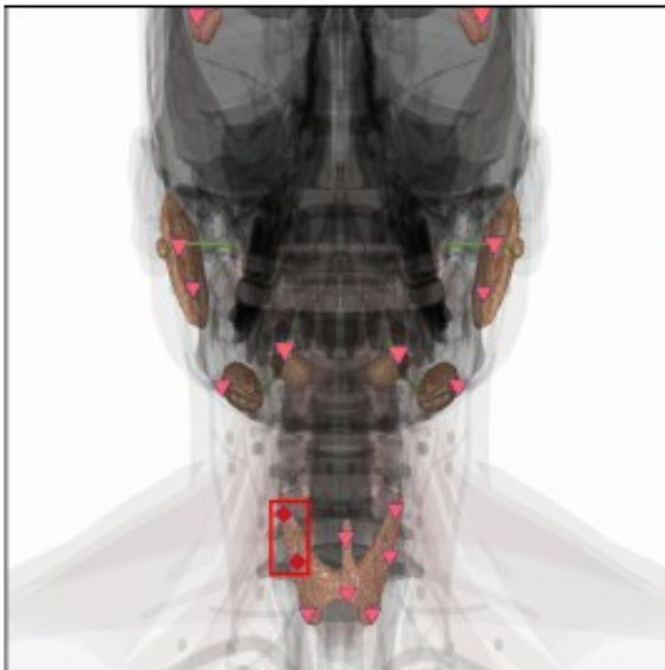


3/24/2026 CIRCULATORY SYSTEM
ATHEROSCLEROSIS

Doctor _____

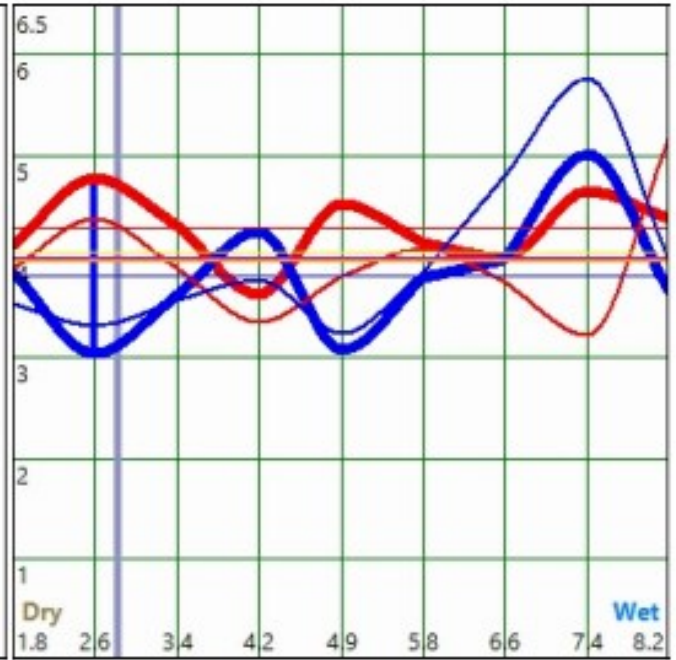
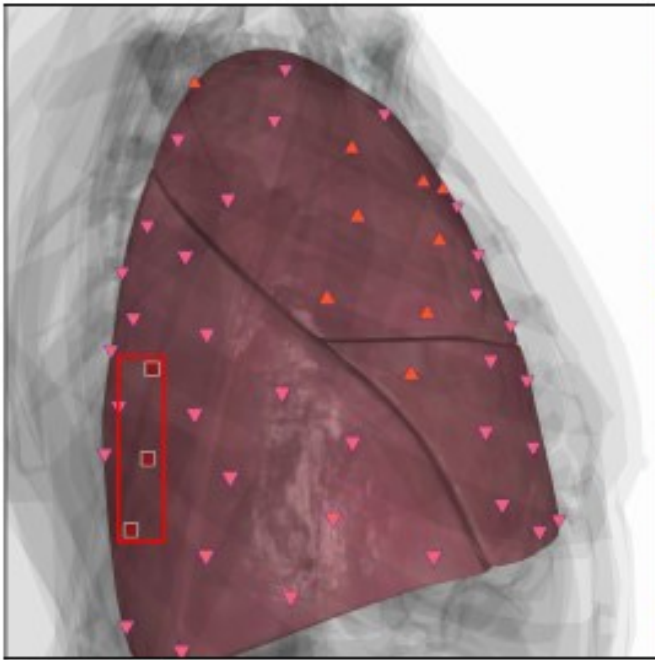


3/24/2026 NERVOUS SYSTEM
RADICULOPATHY

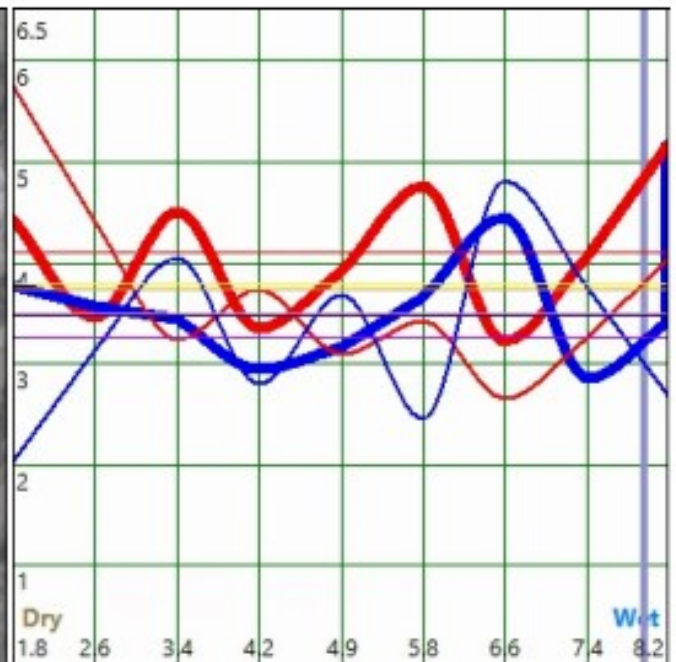
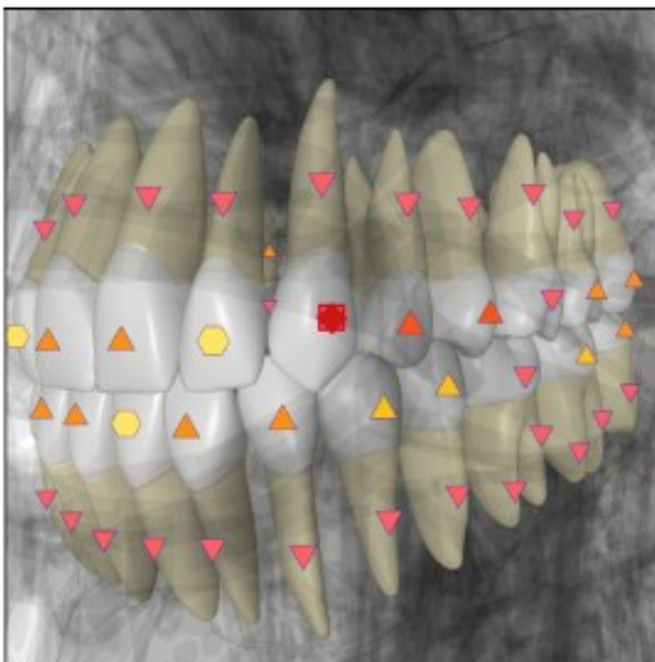


3/24/2026 HEAD AND NECK
HYPOTHYROIDISM

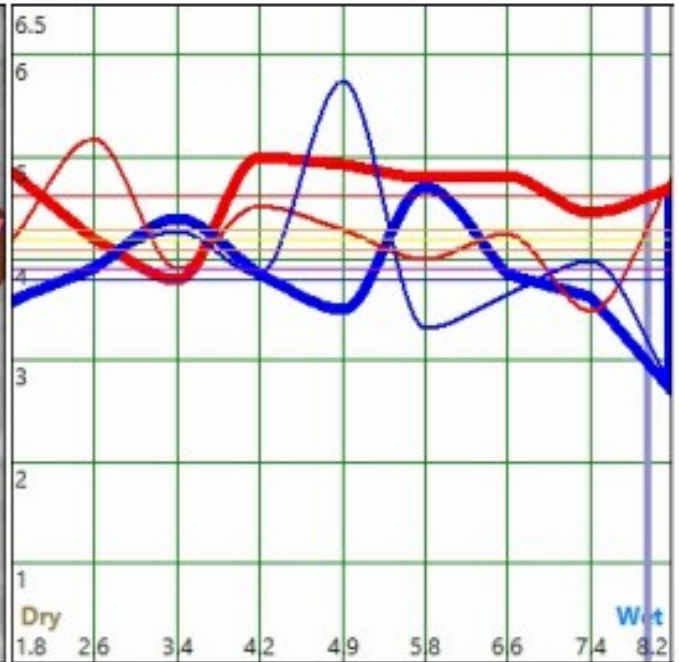
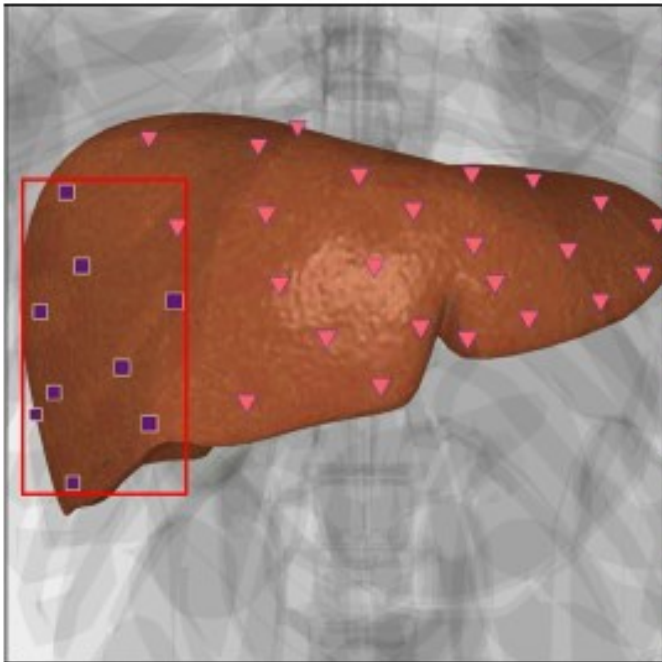
Metapathia Hospital 3D



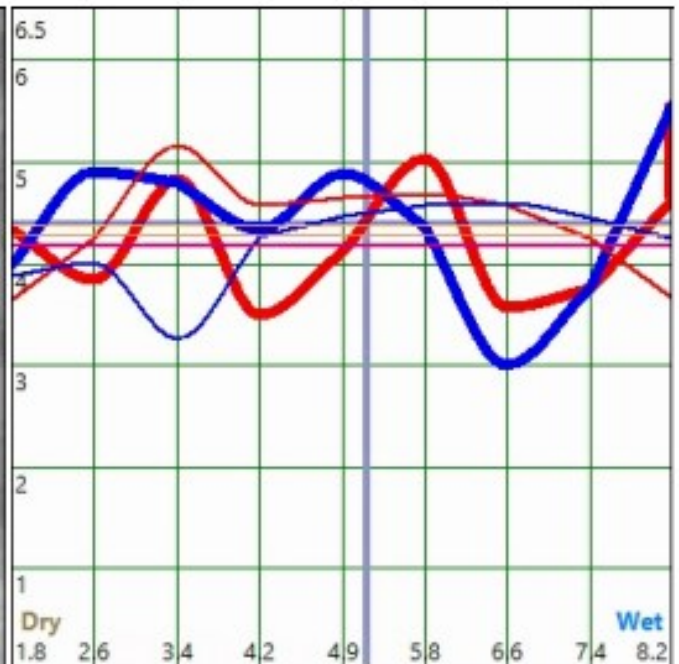
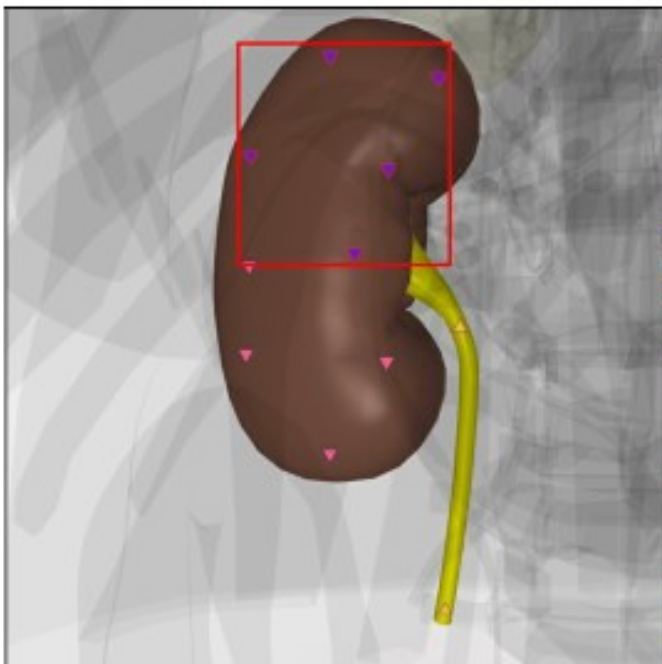
3/24/2026 LUNGS
CHRONIC INTERSTITIAL PNEUMONIA



3/24/2026 TEETH
CARIES

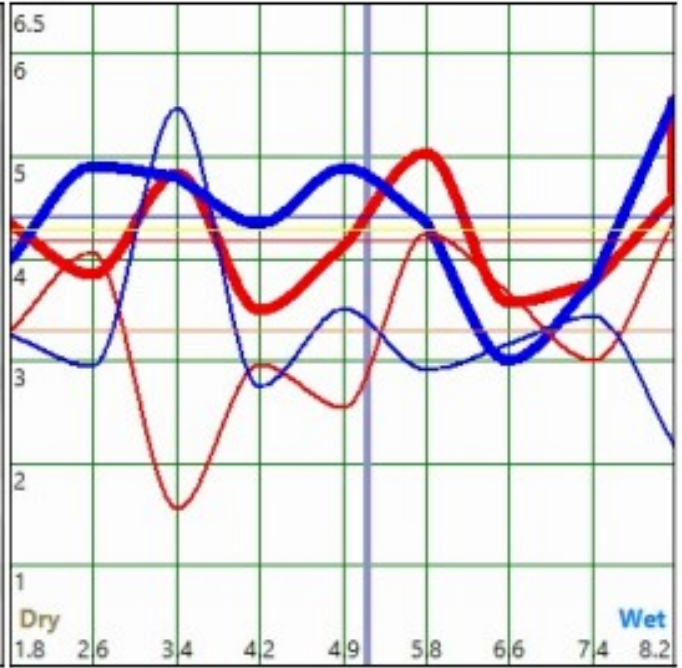
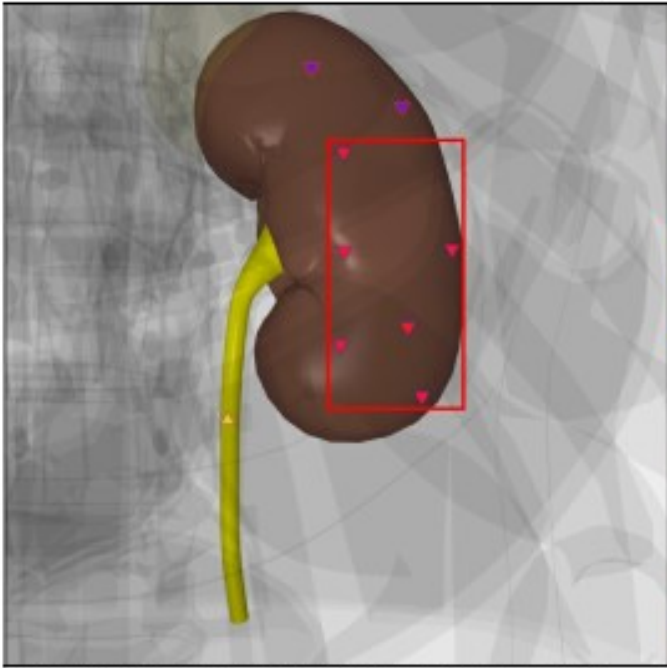


3/24/2026 LIVER
MACRONODULAR CIRRHOSIS

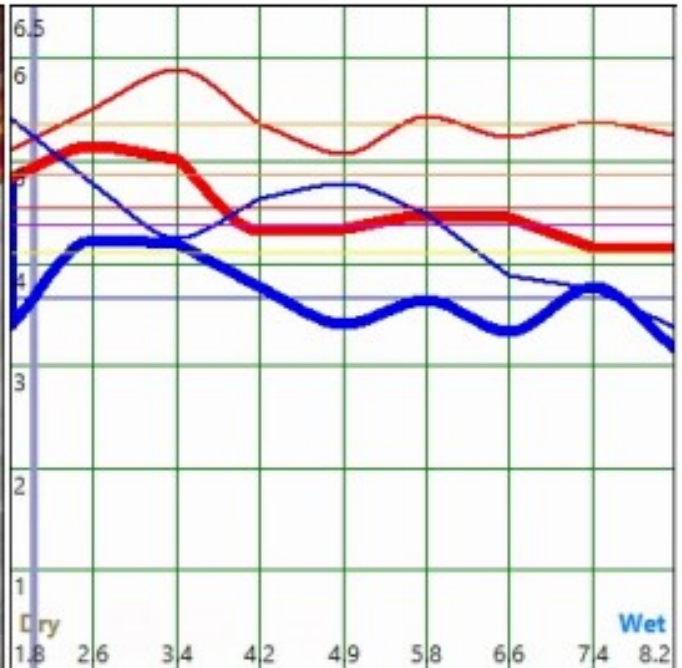
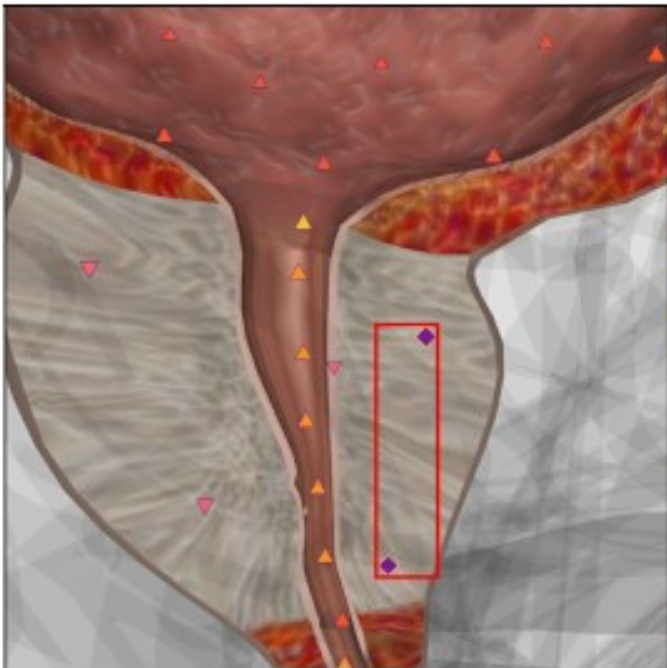


3/24/2026 ORGANS OF RETROPERITONEAL SPACE
POLYCYSTIC DYSPLASIA OF KIDNEYS

Metaphasia Hospital 3D

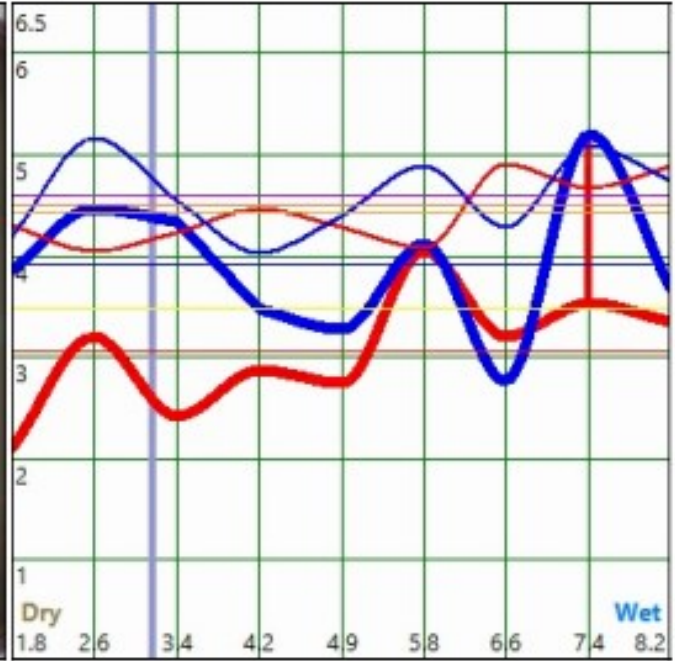
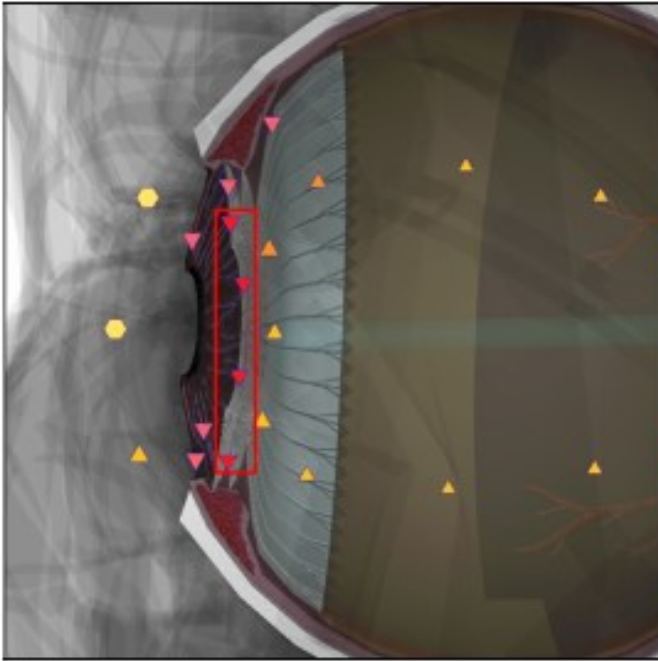


3/24/2026 ORGANS OF RETROPERITONEAL SPACE
ACUTE INTRACAPSULAR GLOMERULONEPHRITIS

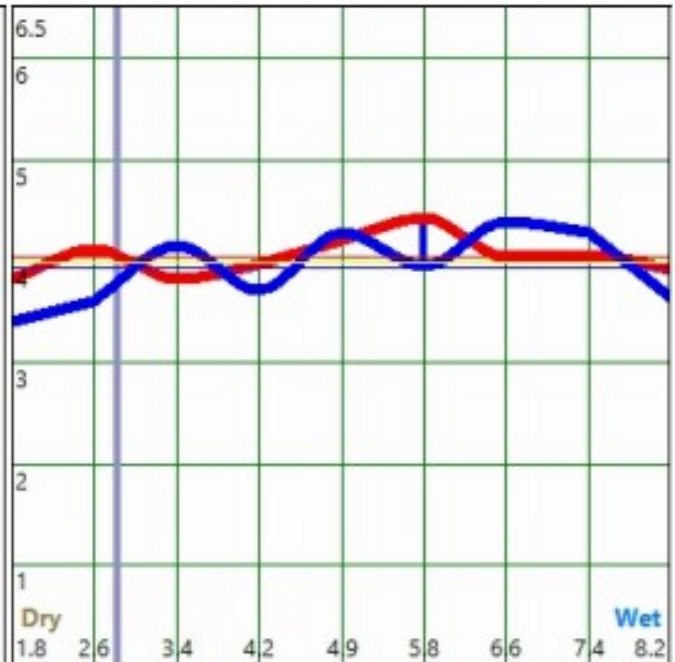
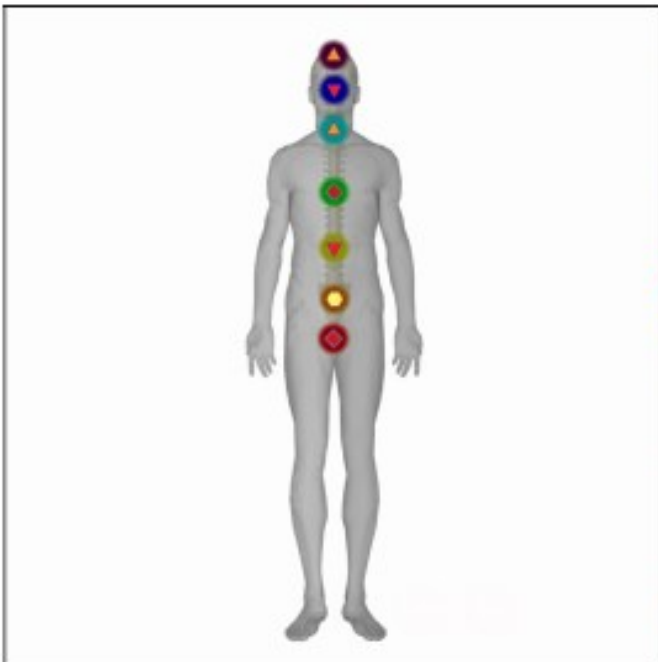


3/24/2026 UROGENITAL ORGANS
PROSTATE GLAND ADENOMA

Metapathia Hospital 3D

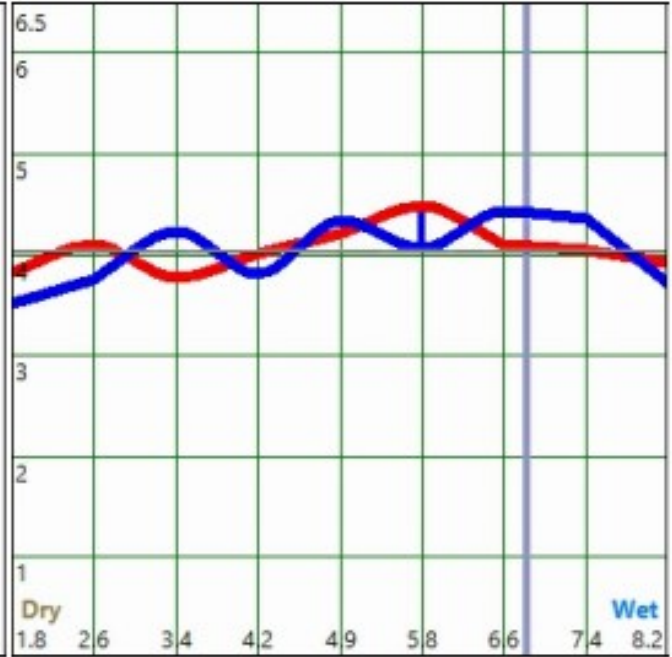
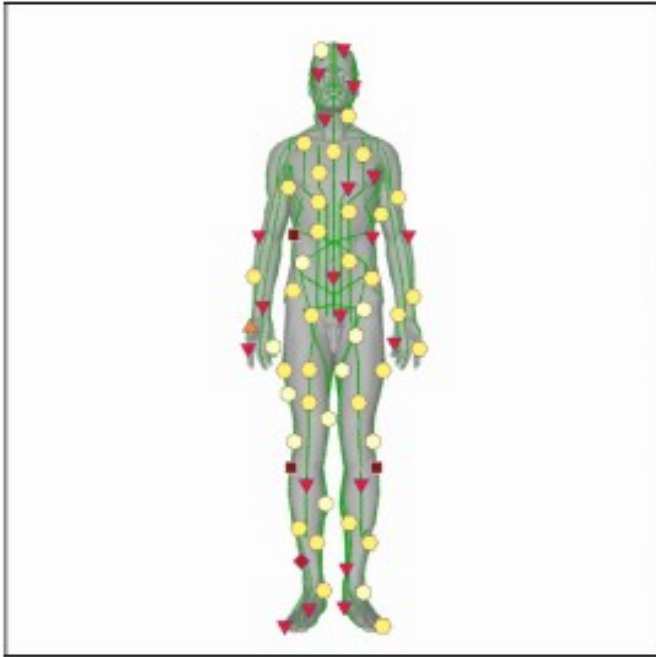


3/24/2026 EYE; left
FARSIGHTEDNESS

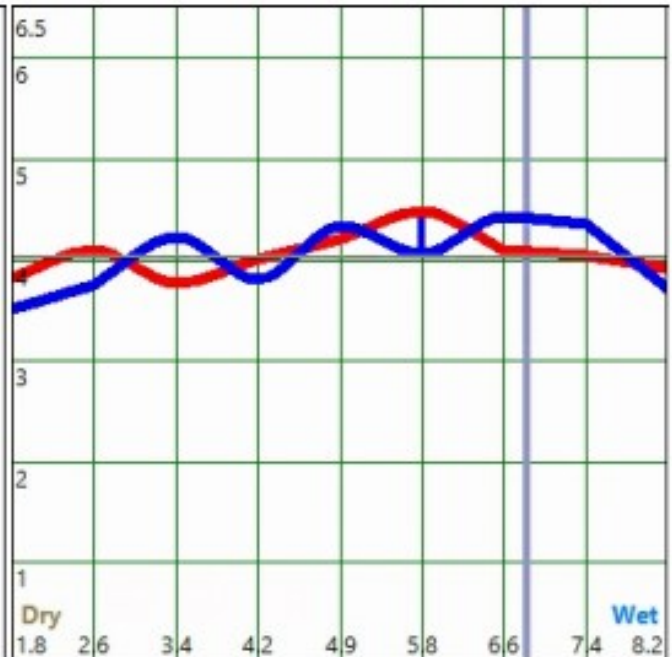
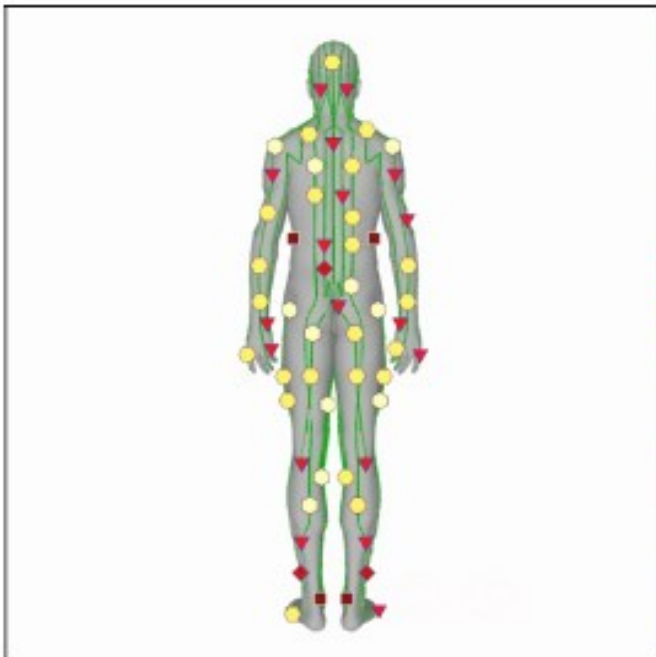


3/24/2026 CHAKRAS





Metapathia Hospital 3D



3/24/2026 ACUPUNCTURE POINTS









































3/24/2026 ACUPUNCTURE POINTS












































BODY TYPES		
	WATER-WOOD BODY TYPE	0.556
VIRTUAL MODELS OF ORGANS		
	GLANDULA THYREOIDEA [5]	5.540
	NODI LYMPH. PULMONALES [7]	5.209
	NODI LYMPH. HEPATICI [9]	5.184
	NODI LYMPH. BRONCHOPULMONALES [7]	4.957
	PROSTATA [8]	4.848
	BRONCHIOLI [7]	4.435
	NODI LYMPH. TRACHEOBRONCHIALES [7]	4.170
	NODI LYMPH. SACRALES [10]	3.992
	PULMO [7]	3.950
	HEPAR - PETERLING [9]	3.949
	BRONCHUS [7]	3.657
FLOWER ESSENCES (E. BACH)		
	HONEYSUCKLE	0.020
	OLIVE [5]	0.059
	CIRCASSIAN WALNUT [3]	0.061
	EUROPEAN CHESTNUT	0.179
	CHESTNUT [3]	0.188
	MADONNA LILY	0.194
	WILLOW	0.292
	JEWELWEED [3]	0.294
EMOTIONAL STATE		
	COMPASSION	0.067
	CARE	0.184
	CONCILIATION [3]	0.267
	SATISFACTION [3]	0.402
NOSOLOGICAL FORMS		
	1 CARIES	0.106
	2 ATHEROSCLEROSIS	0.112
	3 RADICULOPATHY	0.151
	4 FARSIGHTEDNESS	0.316
	5 HYPOTHYROIDISM	0.322
	6 ESSENTIAL HYPERTENSION	0.376
PREDISPOSITION TO THE DEVELOPMENT OF		
	7 CHRONIC INTERSTITIAL PNEUMONIA	0.115
	8 PROSTATE GLAND ADENOMA	0.154
	9 MACRONODULAR CIRRHOSIS	0.169
	10 POLYCYSTIC DYSPLASIA OF KIDNEYS	0.433
	11 ACUTE INTRACAPSULAR GLOMERULONEPHRITIS	0.436
SPECTRAL WAVE PATHOGENESIS		
	DYSTROPHIC CHANGES OF HEPATIC TISSUE	0.046
	DEGENERATIVE CHANGES OF VESSELS [2,6]	0.111













































	DEGENERATIVE CHANGES OF HARD TOOTH TISSUES [1]	0.111
	LUNG TISSUE INFLAMMATION [7]	0.122
	CHOLESTEROL METABOLISM ABNORMALITY	0.143
	PROLIFERATIVE PROCESS OF PROSTATE [8]	0.150
	NERVE TRUNKS INFLAMMATION [3]	0.156
	PROSTATE GLAND TISSUE DYSPLASIA	0.165
	DYSFUNCTIONAL ABNORMALITIES OF THYROID GLAND	0.306
	DYSFUNCTIONAL ABNORMALITIES OF EYE [4]	0.316
	DEGENERATIVE CHANGES OF THYROID GLAND TISSUES [5]	0.322
	RENAL TISSUES DYSPLASIA [10]	0.427
	IMMUNE INFLAMMATION OF KIDNEYS [11]	0.444
BACTERIA		
	ACINETOBACTER CALCOACETICUS	0.044
	ENTAMOEBIA GINGIVALIS [1]	0.126
	STREPTOCOCCUS BOVIS D [1]	0.128
	VAILLONELLA ALCALESCENS *ULITIS [1]	0.149
	CHLAMYDOPHILA PNEUMONIAE	0.169
	BRANHAMELLA (NEISSERIA)	0.174
	VEILLONELLA DISPAR.	0.222
	MYCOBACTERIUM SULVATICUM	0.269
	KLEBSIELLA PNEUMONIAE	0.321
	HAFNIA ALVEI	0.322
	PREVOTELLA BIVIA	0.338
	Escherichia coli (EHEC) – enterohemorrhagic [11]	0.448
	Escherichia Coli (OPEC) – opportunistic [10]	0.516
HELMINTS		
	ASCARIS LUMBRICOIDES	0.211
	OPISTHORHIS FELINEUS [9]	0.690
VIRUSES		
	HEPATITIS C VIRUS	0.082
	HUMAN PAPILLOMA VIRUS HPV (6 /11) Complex.	0.222
	ENTEROVIRUS - EV71 [7]	0.243
FUNGI		
	MUCOR FLUOR	0.112
	ASPERGILLUS LENTULUS	0.392
	ABSIDIA RAMOSA [7]	0.480
MICROELEMENTS		
	IODINE (I) in hair	0.012
	COPPER (Cu) in hair	0.023
	IRON (Fe) in hair	0.025
	SELENIUM (Se) in hair	0.028
	BARIUM (Ba) in hair	0.029
	CALCIUM (Ca) in hair	0.031
	LITHIUM (Li) in hair	0.034
	SILICON (Si) in hair	0.038

	MAGNESIUM (Mg) in hair	0.039
	ALUMINIUM (Al) in hair	0.042
	BORON (B) in hair	0.043
	VANADIUM (V) in hair	0.043
	POTASSIUM (K) in hair	0.044
	NATRIUM (Na) in hair	0.044
	MANGANESE (Mn) in hair	0.044
	COBALT (Co) in hair	0.055
	GOLD (Au) in hair	0.061
	ZIRCONIUM (Zr) in hair	0.069
	CADMIUM (Cd) in hair	0.104
	LEAD (Pb) in hair	0.127
HOMEOPATHY		
	THUJA [5,9]	0.067
	RHUS TOXICODENDRON [2,3,7]	0.076
	CINA [3]	0.091
	COLOCYNTHIS [3]	0.105
	AMMONIUM CARBONICUM [7]	0.115
	SENEGA [7]	0.124
	CONIUM [5]	0.173
	MEDORRHINUM [2,6,11]	0.225
	RATANHIA [1]	0.278
	CARBO VEGETABILIS [1]	0.388
	CANNABIS SATIVA [8]	0.397
	NITRICUM ACIDUM [1]	0.433
	CHIMAPHILA UMBELLATA [8]	0.450
HEEL		
	VERATRUM-HOMACCORD [3,11]	0.026
	COENZYME COMPOSITUM AMPULLEN [1,2,6]	0.054
	CARBONEUM TETRACHLORATUM-INJEEL [9]	0.069
	STRUMA NODOSA-INJEEL [5]	0.079
	SANGUIS SUIIS-INJEEL [1]	0.127
	KREOSOTUM-INJEEL [7]	0.162
	MERCURIUS AURATUS-INJEEL [8]	0.176
	ROSMARINUS OFFICINALIS-INJEEL [2]	0.198
	THALAMUS COMPOSITUM [5,6]	0.208
	THUJA-INJEEL [3]	0.251
	ADENOMA PROSTATAE-INJEEL [8]	0.264
	MYOSOTIS ARVENSIS-INJEEL [7]	0.272
	SPIGELIA-INJEEL [9]	0.296
	POPULUS COMPOSITUM SR [8]	0.309
	COLOCYNTHIS-INJEEL [9]	0.330
	MELILOTUS-HOMACCORD N TROPFEN [11]	0.333
	CIRCULO-INJEEL [6]	0.334
	RHUS TOX-INJEEL [3]	0.390

PATENTED MEDICAL PREPARATIONS		
	EURESPAL - France, Les Laboratoires SERVIER - broncholytic preparation [7]	0.090
	AMBROXOL VRAMED - Bulgaria, SOPHARMA - bronchodilator [7]	0.158
	PROSTERID - Hungary, GEDEON RICHTER Ltd. - prostatotropic preparation [8]	0.194
	TRANEXAM - Russia, MIR-FARM Company - angioprotective preparation [1]	0.198
	PREDNISOLONUM - GEDEON RICHTER, Hungary [9]	0.210
	LASOLVAN - Austria, BOEHRINGER INGELHEIM - broncholytic preparation [7]	0.247
	CARDIOSTATIN - Russia, MARKIZ-FARMA - hypocholesterolemic preparation [2]	0.252
	L-THYROXIN 100 - Germany, BERLIN-CHEMIE [5]	0.274
	AVODART - GLAXO SMITH KLINE - prostatotropic [8]	0.310
	POLCORTOLON - Poland, POLFA [9]	0.358
	ASPIRIN - BAYER, Germany [3]	0.374
	CRESTOR - Great Britain, ASTRAZENECA UK Ltd. - hypocholesterolemic preparation [6]	0.382
	POLYVINYLPIRROLIDONUM - KRKA, Slovenia [9]	0.523
	CLEXANE - France, AVENTIS PHARMA SPECIALITES - angioprotective preparation [10]	0.525
	IMUDON - Germany, SOLVAY PHARMACEUTICAS - immunomodulating [1]	0.542
	DEPOSTAT - SCHERING, Germany [8]	0.602
NUTRICEUTICALS and PARAPHARMACEUTICALS		
	ME patch Casanova - NANO PATCH [8]	0.101
	LP patch Healthy lungs - NANO PATCH [7]	0.125
	LI patch Healthy liver - NANO PATCH [9]	0.139
	HEART OF NORTH [7,11]	0.166
	CALCIUM WITH VITAMINS C&D - RBC [1]	0.166
	HGH patch Source of youth - NANO PATCH [3]	0.183
	OMEGA 3 EPA - NSP [6]	0.190
	OMEGA 3 EPA - NEWAYS [6]	0.219
	KELP - NSP [2,6]	0.246
	CALCIMAX - ARTLIFE [1]	0.305
	LETCITHIN GRANULES - VITA LINE [11]	0.315
	KELP - NEWAYS [5]	0.339
	PAU D' ARCO BARC - RBC [7]	0.376
	THE HEPATIC FORMULA - ARTLIFE [9]	0.388
ESSENTIAL OILS dōTERRA		
	METABOLIC BLEND (SLIM & SASSY) [6,7]	0.018
	LEMON [2,6]	0.027
	LAVEENDER [7]	0.038
	CLEANSING BLEND [6]	0.044
	DETOXIFICATION BLEND (ZENDOCRINE) [7]	0.046
	GRAPEFRUIT [9,11]	0.052
	SOOTHING BLEND [1]	0.097
	BIRCH [8]	0.108
	DIGESTIVE BLEND [9]	0.158
	WILD ORANGE [5]	0.169
	CLOVE [8]	0.195
	WHITE FIR [1]	0.196

	CALMING BLEND [1]	0.212
	INVIGORATING BLEND [5]	0.226
PHYTOTHERAPY		
	SOLANUM NIGRUM [7]	0.029
	MAGNOLIA GRANDIFLORA [7]	0.078
	PANAX GINSENG [2,6]	0.112
	SCHIZANDRA CHINENSIS [7]	0.145
	CROCUS [2,4,6]	0.204
	NELUMBIUM [8]	0.205
	ALLIUM VICTORIALIS [8]	0.281
	CANNABIS SATIVA [2,6]	0.314
	NERIUM [1]	0.339
LITOTHERAPY		
	EMERALD [2,4,6]	0.041
	PEARL [6]	0.047
MEDICINAL COSMETICS		
	SUNSHINE BRITE TOOTHPASTE - NSP [1]	0.113
APIOTHERAPY		
	LINDEN HONEY [6]	0.090
	APITOXIN [3]	0.199
	PROPOLIS [3]	0.347
PEPTIDES		
	VISOLUTEN - CYTOMAXES® [4]	0.072
	BONOTHYRK - CYTOMAXES® [1]	0.115
	NORMOFTAL - CYTOGENS® [4]	0.167
	CHONLUTEN - CYTOGENS® [7]	0.179
	CRYSTAGEN - CYTOGENS® [10,11]	0.199
	LIBIDON - CYTOMAXES® [8]	0.225
	PIELOTAX - CYTOMAXES® [10]	0.249
	OVAGEN - CYTOGENS® [9]	0.298
	THYREOGEN - CYTOMAXES® [5]	0.325
	VENTFORT - CYTOMAXES® [2,6]	0.398
	SVETINORM - CYTOMAXES® [9]	0.406
	SIGUMIR - CYTOMAXES® [1]	0.430
	VESUGEN - CYTOGENS® [6]	0.511
	BRONCHOGEN - CYTOGENS® [7]	0.574
	CARTALAX - CYTOGENS® [3]	0.576
	VLADONIX - CYTOMAXES® [8]	0.599
	CHELOHART - CYTOMAXES® [6]	0.667

RECOMMENDED FOOD		
	BUCKWHEAT GROATS, cereals.	0.049
	LAMINARIA, vegetables	0.080
	DATES, fruits	0.097
	LEMON, fruits	0.098
	CORN, vegetables [1]	0.130
	APRICOT, fruits [7]	0.132
	SPOTTED STRING BEAN, vegetables	0.134
	HONEY, spices	0.136
	FIG , fruits [2,6]	0.142
	PINE NUTS, seeds [8]	0.152
	CHICKEN MEAT, meat	0.158
	PEANUT, seeds [11]	0.187
	PINEAPPLE, fruits [11]	0.190
	YOGHURT, dairy	0.199
	WALNUTS, seeds	0.206
	GREEN TEA, drinks	0.212
	GARLIC, vegetables	0.252
	KEFIR, dairy	0.273
	PEAR, fruits [9]	0.281
	PORRIDGE OAT, cereals	0.285
	PUMPKIN, vegetables	0.285
	TOMATO, vegetables [8]	0.291
	GRAPEFRUIT, fruits	0.294
	CARROTS, vegetables	0.307
	KIWI, fruits	0.323
	SPROUTING ONION, vegetables	0.323
	MALIC ACETUM, spices	0.349
	RED WINE [Merlot], drinks [9]	0.366
	BLACK CURRANT, fruits	0.389
	VEAL LIVER, meat	0.390
	MUTTON, meat	0.416
	BLUEBERRY, fruits	0.423
	COW MILK, dairy	0.462
	GRAPES, fruits	0.465
	LEEK, vegetables	0.505
	BEEF, meat	0.515
	PEACH, fruits	0.531
	GARDEN RADISH, vegetables	0.532
	WATER-MELON, fruits	0.568
	POTATO, vegetables	0.570
	OYSTERS, fish	0.642
	SHRIMPS, fish	0.709
	BANANA, fruits	0.725
	EGGPLANT, vegetables	0.727

	CRAB, fish	0.750
	LUCCU OIL, oil	0.762
	VERMOUTH [Martini Extra Dry] drinks	0.778
	MANGO, fruits	0.804
	BALSAM [Rigas Melnais] drinks	0.855
	OAT FLAKES, cereals	0.870
	COFFEE, drinks	0.911
	CHOCOLATE, dairy	0.939
	BLACK LEGUMES, seeds	0.944
	LIQUEUR [Baileys] drinks	1.087
	SAKE [Takara] drinks	1.127
	RYE FLOUR, cereals	1.195
	BLUEBERRY, fruits	1.238
	CHERRY PLUM, fruits	1.276
	TEQUILA [Olmeca Gold] drinks	1.291
	RUTABAGA, vegetables	1.298
	NATURAL RICE, cereals	1.408
	OYSTER MUSHROOMS, vegetables	1.424
	SUNFLOWER-SEED OIL, oil	1.450
	GREEN PEAS, vegetables	1.498
	DANDELION, vegetables	1.531
NEUTRAL FOOD		
	BLACKBERRY, fruits	1.620
	BERGAMOT, spices	1.626
	CELERY, vegetables	1.653
	PLUM, fruits	1.865
	SOUR CREAM, dairy	2.015
	GRAPPA [Friulano] drinks	2.051
	UNFILTERED BEER [Hoegaarden], drinks	2.112
	RED LENTIL, seeds	2.166
	LIGHT BEER [Holsten], drinks	2.203
	SAFFRON, spices	2.218
	MACKEREL, fish	2.245
	COGNAC [Camus XO], drinks	2.247
	RYE BREAD, cereals	2.413
	MOZARELLA CHEESE, dairy	2.427
	EINNAMON, spices	2.497
	LINSEED OIL, oil	2.511
	WHITE WINE [Riesling], drinks	2.529
	BREAD WITHOUT GLUTEN, cereals	2.547
	KVASS drinks	2.610
	ZINZIBER, spices	2.627
	QUAIL EGGS, dairy	2.630
	CARP, fish	2.647
	BLACK TEA, drinks	2.745

COTTAGE CHEESE, dairy	2.756
BEET, vegetables	2.777
WHISKY [Chivas Regal], drinks	2.785
TURTLE, meat	2.832
COD, fish	2.842
VANILLA, spices	2.848
BRANDY [Metaxa] drinks	2.920
CHERRY, fruits	2.967
TURKEY, meat	3.079
DIETARY LEMONADE, drinks	3.081
CONTRAINDICATED FOOD	
CORN-FLAKES, cereals	6.697
PTARMIGAN, meat	6.730
GREEN OLIVES, vegetables	6.790
SHARK, fish	6.892
COUCHED GRAINS OF WHEAT, cereals	7.035
OSTRICH, meat	7.117
ABSINTH [Pernod] drinks	7.169
FLOUR FROM DURUM WHEAT, cereals	7.204
PIKE, fish	7.344
WHEAT COARSE FLOUR, cereals	7.349
FENNEL, spices	7.413
MELTED CHEESE, dairy	7.495
HAZELNUT, seeds	7.544
MINT, spices	7.578
DUTCH CHEESE, dairy	7.848
CAULIFLOWER, vegetables	7.908
FRAGARIA, fruits	7.934
PASTA, cereals	7.936
GOOSE-EGGS, dairy	7.941
GROUPER, fish	8.019
MULLET, fish	8.273
REDISH, vegetables	8.414
QUAIL, meat	8.419
GOAT CHEESE, dairy	8.637
EDAM CHEESE, dairy	8.784
SCHNAPPS [Apfel] drinks	8.970
APPLES, fruits	9.182
GOAT'S MILK, dairy	9.249
BRUSSELS SPROUTS, vegetables	9.316
BAMBOO SHOOTS, vegetables	9.540
MAIZE OIL, oil	9.706
BLACKCOCK, meat	9.833
CHAMPAGNE [Veuve Clicquot] drinks	10.081
GINGELLY OIL, oil	10.162

■	ANISE, spices	10.182
■	SWEET MARJORAM, spices	10.191
■	PISTACHIO, seeds	10.421
■	LOBSTER, fish	10.422
■	TONIC drinks	10.503
■	PARSLEY, vegetables	10.521
■	PRUNES, fruits	10.637
■	STURGEON EGGS, fish	11.197
■	THYME, spices	11.584
■	COCONUT, fruits	11.664
■	FLOUNDER, fish	11.899
■	MUSSELS, fish	12.143
■	CASHEWS, seeds	12.346
■	LARD, meat	12.492
■	OCTOPUS, fish	12.561
■	BLACK OLIVES, vegetables	12.571
■	ANCHOVIES, fish	12.755
■	WHITE CABBAGE, vegetables	12.757
■	CAMEMBERT CHEESE, dairy	13.567
■	PORK, meat	13.616
■	HALIBUT, fish	14.011
■	MAYONNAISE, dairy	14.082
■	CATFISH, fish	14.117
■	DUCK MEAT, meat	14.617
■	GOOSE MEAT, meat	14.721
■	RED CABBAGE, vegetables	15.263
■	BAY SCALLOP, fish	15.387
■	SIBERIAN SALMON EGGS, fish	16.203
■	GREEN PEPPER , vegetables	16.963
■	COCKWEED, vegetables	17.386
■	CHICKEN EGG YOLK, dairy	18.850
■	VODKA [Stolichnaya], drinks	24.184
■	SALMON, fish	32.326
■	HERRING, fish	33.143
■	EEL, fish	39.322
■	POMEGRANATE, fruits	51.459
■	RED CAPSICUM, vegetables	88.036

BODY TYPES**WATER-WOOD BODY TYPE**

This body type represents influence of Water element, which incarnates Yang (male), to a passive and inert Wood element, incarnating Yin (female), and slows transformation of the latter. Water nourishes Wood and promotes its growth. The following features are typical for people of this body type: cold body, joints and bones do not stand out. They are white and fleshy. Face is puffy. Shapes are roundish. They easily bear hunger, thirst and suffering. They have deep sleep. They have generous spirit, natural good temper, but sometimes they may be simple-minded. These people have well developed body. Thorax is wide, veins and tendons are not seen, bones do not stand out. Usually they overweight. Skin is soft, eyes are big, the whites of eyes are white. Many physiological processes are slow. They love bitter, pungent and astringent food. Feces soft and pale. Usually these people have good self-control. They have affection for property. Their thoughts are slow, but they will remember what has happened for the whole life. Their behavior is similar to buffalos and lions. The following is typical: obesity, depression, running nose, bronchitis, swelling.

VIRTUAL MODELS OF ORGANS**GLANDULA THYREOIDEA**

Thyroid.

NODI LYMPH. PULMONALES

Pulmonary lymph nodes

NODI LYMPH. HEPATICI

Hepatic lymph nodes

NODI LYMPH. BRONCHOPULMONALES

Bronchopulmonary lymph nodes

PROSTATATA

Prostate.

BRONCHIOLI

Bronchus.

NODI LYMPH. TRACHEOBRONCHIALES

Tracheobronchial lymph nodes

NODI LYMPH. SACRALES

Sacral lymph nodes

PULMO

Lung.

HEPAR - PETERLING

Liver.

BRONCHUS

Bronchus

FLOWER ESSENCES (E. BACH)**HONEYSUCKLE**

Nostalgia, homesickness, life in past, regrets, loss of an interest to the present time.

OLIVE

Starvation, emaciation due to disease or continuous stress.

CIRCISSIAN WALNUT

Difficulty in adaptation to changes or alternations including migration, new place of work, divorce, menopause, pubescence.

EUROPEAN CHESTNUT

Excessive vexations of mind, extreme despondency, hopelessness, despair.

CHESTNUT

Insistent, haunting, undesirable thoughts, self-quarrelling, uneasiness, concern, preoccupation.

MADONNA LILY

Grief, frustration, trauma caused by bad news in the past or in the present, accident or fright.

WILLOW

Grievance, indignation, bitterness, anger, peevishness, self-pity, accusation of others, dissatisfaction, grumble, victim role.

JEWELWEED

Anxiety, irritability, intolerance, impulsiveness, nervous tension, overexertion.

NOSOLOGICAL FORMS**CARIES**

It is a pathological process when hard tooth tissues become softer and gradually decay with following formation of defect (cavity). Predisposing factors are: excessive intake of sugar and sweet pastry, insufficient amount of vitamins, calcium and phosphorus in ration, absence of raw vegetables and fruits in ration. Poor dental care also has an important role. Teeth caries in children is promoted by improper diet and diseases of mother during pregnancy.

ATHEROSCLEROSIS

Atherosclerosis is the most widely spread chronic disease of elastic (aorta and its branches) and muscle-elastic (cardiac, cerebral arteries, etc.) type of arteries, with formation of single or multiple nidi of lipidic (mainly cholesterol) deposits - atheromatous plaques – at internal layer of arteries. Following growing of connective tissue in it (sclerosis) and calcinosis of vessel wall lead to slowly progressing deformation and dilation of its lumen until complete obliteration of artery and thus causing chronic slowly increasing blood supply insufficiency of organ supplied trough this affected artery. Usually atherosclerosis is registered in men of 50 – 60 years old and women of above 60.

RADICULOPATHY

These are pains, motor and vegetative disorders caused by affection of roots of spinal marrow in consequence of spinal osteochondrosis. Spinal osteochondrosis is a degenerative-dystrophic process that develops due to intervertebral disks absorbability loss which is caused by degeneration of disk's tissue which leads to lowering of pressure in it. Diskopathy etiology is uncertain, excluding cases of trauma. In segment of affected disk there is a relative spinal instability with osteophytes of vertebral bodies (spondylosis) development, ligaments injury and arthropathy of intervertebral articulations (spondylarthrosis). Hemiation of a disk (protrusion or rupture), and also osteophytes can squeeze roots causing nerve root pains. In addition to it damaged tissues of spine can be the source of local and spreading pains in extremity. Weight lifting, awkward movement, cold, negative emotions, infections and other reasons can serve as an immediate cause of pains. Not less than in 95% of cases of lumbosacral and cervical radiculitis are caused by vertebral osteochondrosis, and usually mechanical, compressive factor is the reason for radiculopathy. Major part in pain syndrome plays local neurodystrophic changes in tendons, ligaments and muscles. These factors are especially evident in cases of development at contracture radiculitis of separate muscles. It seems that first attacks of low back and cervical pains are related to tear of fibrous ring disk and damage of capsules of intervertebral joints. Vegetative innervation suffers from it and pain can be diffuse (lumbar rheumatism, myositis). Disk hernia development that squeezes root causes formation of nerve root syndrome. Spinal column has such shape so that maximum of load goes to inferior cervical, inferior thoracic, inferior lumbar parts, that is why root compression is often predominant on these levels in clinical picture.

FARSIGHTEDNESS

Hypermetropia – is a type of ametropia, when parallel rays coming from remote objects join behind retina. Minor farsightedness (below 3 D) is a normal refraction. Medium (3.5-6 D) and severe (above 6 D) farsightedness should be considered as the consequence eyeball development delay, reason of which is still not clearly known. Eyesight worsening is usually registered at farsightedness medium and severe degree. Eyesight improves when a man looks through positive lens. In adults degree of hypermetropia usually remains unchanged, but eyesight, especially close, worsens with age due to accommodation weakening.

HYPOTHYROIDISM

(Myxedema) – it is a disease developing due to insufficient supply of organs and tissues by thyroid gland hormones.

Etiology. At primary hypothyroidism – direct lesion of thyroid gland, congenital abnormalities, inflammatory – at chronic infections, of autoimmune nature, affections of thyroid gland after introduction of radioactive iodine, operations of thyroid gland, insufficiency of iodine in environment, at secondary – infectious, tumorous or traumatic lesions of hypothalamic-hypophyseal system. Overdose of mercasolil may cause functional form of primary hypothyroidism. Peripheral form of the disease develops due either to disorders of thyroid hormone peripheral metabolism or to decreasing of organs and tissues sensitiveness to thyroid hormones. Decreasing of thyroid hormones secretion leads to slowing down of all metabolic processes. Primary hypothyroidism is registered in women more often. It is characterized by chill, sleepiness, sluggishness, memory decreasing, speech and movement retardation, rapid fatigability, performance decrement, arthralgia, edema of face and extremities with a peculiar character (if you press the region of shin anterior surface with a finger there will be no dent). Skin is dry and pale, with yellowish shade. The tongue is thickened, with teeth marks on the edges. Hoarseness. Trichorrhexis and hair loss of the head, lateral third of eyebrows, pubis. Decreasing of body temperature, constipation. Bradycardia, flatness of heart sounds, rarely – normal heartbeats rate, more rarely – tachycardia. Predisposition to hypotension, in 10% - 20% of patients - arterial hypertension, which as a rule decreases

and disappears after treatment with thyroidal medications. Primary hypothyroidism of autoimmune genesis may be combined with primary insufficiency of other peripheral endocrine glands: adrenals (Schmidt's syndrome), parathyroid and pancreas. Sometimes hypochromic iron-deficiency anemia develops. In some patients a combination of primary hypothyroidism, lactorrhoea and amenorrhoea may be diagnosed. Secondary hypothyroidism usually combines with decreasing or loss of few or all functions of hypophysis (panhypopituitarism). Intensity of symptomatology and speed of disease development depend on degree of thyroidal insufficiency and personal characteristics of a patient. Worsening of iodine absorption by thyroid gland and decreasing of protein-linked iodine, thyroxin and triiodothyronine content are typical. At primary hypothyroidism – increasing, at secondary – decreasing of thyrotrophic hormone content in blood, hypercholesterolemia, high level of lipoproteids.

ESSENTIAL HYPERTENSION

Essential hypertension is registered in 90% of all cases characterized by chronic increasing of arterial pressure.

Nowadays in economically developed countries 18% - 20% of adults suffer from essential hypertension, i.e. recurrent rising of arterial pressure up to 160/95 mm and higher. Reasons of essential hypertension development are not completely clear, although certain parts of this disease pathogenesis are well known. Two factors should be taken into consideration in development of essential hypertension: noradrenalin and sodium. In particular noradrenalin has a role of effector agent according to theory of F.G. Lang about decisive role of mental overstrain and mental trauma in development of essential hypertension. Development of essential hypertension requires a combination of hereditary predisposition to the disease and unfavorable effects of environment. Epidemiological studies prove a connection between obesity degree and increased blood pressure. The disease rarely develops in people of below 30 and above 60 years old. Stable systolic-diastolic arterial hypertension in a young man – is the reason for searching of secondary, especially renovascular hypertension. High systolic pressure (more than 160-170 mm) at normal or low diastolic pressure in persons above 60 – 65 years old usually related to atherosclerotic induration of aorta. Essential hypertension usually has a clinical course with period of deterioration and improving. Speed of the disease progressing may be different. There are slowly progressing (benign) and quickly progressing (malignant) courses of the disease. At slow development of the disease three stages of essential hypertension are singled out by World Health Organization. Stage 1 (minor) is characterized by comparatively low rises of arterial pressure, about 160-179 (180) mm of systolic and 95-104 (105) mm of diastolic. Arterial pressure level is unstable, when patient rests in slowly becomes normal. Some patients have no complaints of worsening of health state. Others suffer from headaches, noise in the head, sleep disorders, worsening of task performance. Sometimes nonsystemic vertigo and nasal hemorrhage happen. Symptoms of left ventricle hypertrophy usually missing. Stage 2 (average) differs from the abovementioned by higher and more stable level of arterial pressure, at rest it reaches 180-200 mm – systolic and 105-114 mm – diastolic. Patients often complain of headache, giddiness, pain in heart region, sometimes of stenocardiac character. This stage is characterized by hypertensive crisis. Symptoms of target-organs lesion: hypertrophy of left ventricle (sometimes of interventricular septum only), weakening of first tone at top of the heart, accent of second tone on aorta, in some patients signs of subendocardial myocardial ischemia shown on electrocardiogram. Various manifestations of vascular insufficiency, transitory cerebral ischemia, cerebral stroke may be registered. At eye grounds, besides arterioles stricture, squeezing and dilation of veins, hemorrhages, exudates may develop. Renal blood flow and glomerular filtration rate are decreased, although urine tests show no abnormalities. Stage 3 (severe) is characterized by more frequent development of vascular catastrophes, which happen due to significant and stable rising of arterial pressure and progressing of arteriosclerosis and atherosclerosis of larger vessels. Arterial pressure reaches 200-300 mm systolic and 115-129 mm diastolic. There is no spontaneous normalization of arterial pressure. Clinical picture includes lesions of heart (stenocardia, myocardial infarction, circulatory deficiency, arrhythmia), brain (ischemic and hemorrhagic infarctions, encephalopathy), eye grounds (angioretinopathy of 2nd and 3rd type), kidneys (decreasing of renal blood flow and glomerular filtration rate). In some patients with 3rd stage of essential hypertension, in spite of significant and stable rising of arterial pressure, severe vascular conditions do not develop for many years.

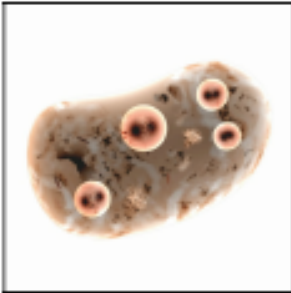
BACTERIA

ACINETOBACTER CALCOACETICUS



Acinetobacter Calcoaceticus - pleomorphic, gram-negative rods. Severe infections, caused by these bacteria, include the following: meningitis, bacterial endocarditis, pneumonia, bacteraemia. They are generally spread, and are normally dwell on skin surface of 25% of healthy people. This microorganism is a usual commensal, having relatively low virulence. Severe infections may develop only in case of a decreased resistance of a human organism.

ENTAMOEBIA GINGIVALIS



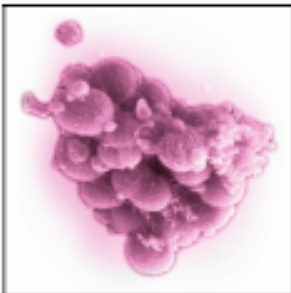
It is eurytrophic. The host is a human being, though some cases of detection in dogs, cats and monkeys were noted. It does not form bladders. The parasite is localized in oral cavity between teeth, on their edges, on gingivae and the odontoliths. It can cause a contagious tonsillitis and a pyorrhea in a human subject.

STREPTOCOCCUS BOVIS D



Nonhemolytic streptococci form microbial cenosis of mouth cavity and intestine of a human, but it also can cause infectious diseases if penetrated into usually sterile cavities. The major part of affections is a bacterial endocarditis, which has a malignant character and is accompanied by mitral valve affections (approximately 50% of such pathology is caused by bacteria).

VAILLONELLA ALCALESCENS *ULITIS



Strict anaerobes with fermentative type of metabolism. Parasites of humans and animals; are present in oral cavity, intestine and in the upper respiratory pathes. Not nosogenic, however with damaged mucous they can invade tissues and cause diseases (ulitis, stomatitis).

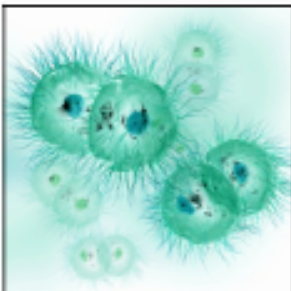
CHLAMYDOPHILA PNEUMONIAE



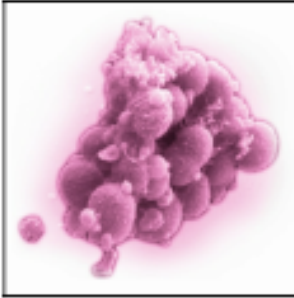
Chlamydia pneumoniae causes various forms of respiratory clamidiosis and lymphadenopathy, which are usually affect children. Experts believe that 15% of pneumonia cases are caused by chlamydia. 9% of these cases of pneumonia lead to death. Chlamydia pneumoniae infection are often registered in elderly and adult people, it often turns into epidemic.

For the first time Chlamydia pneumoniae was extracted from conjunctiva of a child suffering from pneumonia in Taiwan in 1986. Pathogenic intracellular gram-negative bacteria (Chlamydia pneumoniae) parasite on mucous tunics of both men and animals.

BRANHAMELLA (NEISSERIA)



It belongs to so-called "false neisseria". According to the modern classification it belongs to MORAXELLA. They are aerobic rods or coccuses. They are present in the microflora of mucosas of human subjects and poikilothermal animals. Causes both manifestative, and opportunistic infection contaminations of human subjects and animals. Causes inflammation of the upper respiratory channels.

VEILLONELLA DISPAR.

Veillonella or veillonellae (latin - veillonella) — is a family of gram-negative anaerobic non-sporogenous bacteria. Veillonella is a part of normal microflora of human organism. However certain types of veillonella may be causative agents of wound and purulent infections. Veillonella is one of the main resident microorganisms of small intestine and one of the most widely spread and physically significant bacteria of large intestine of human organism. Veillonella is frequently found in mouth cavity of healthy people. Normally veillonella is present in urogenital tract of 5% - 25% of women.

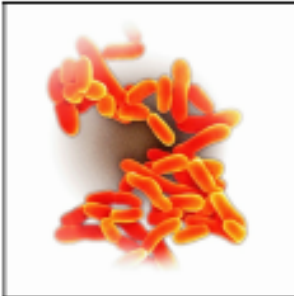
The same types of veillonella normally co-existing with carrier organism in the one situation, in the other situation may cause various diseases in a human.

Veillonella is a part of so-called cariogenic microorganisms group, which are selectively accumulated on a surface of teeth that are usually affected by caries (enamel fissures and interdental surfaces), forming dental plaques.

Microflora of dental plaque, including veillonella, plays major role in development of periodontitis — an inflammatory process in periodontium tissues.

Veillonella may be a cause of large intestine inflammation.

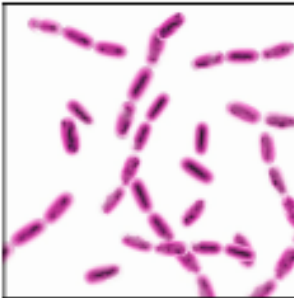
Veillonella is found in people suffering from soft tissues abscesses, wound infections, sinusitis, otitis and other diseases both together with other bacteria and independently.

MYCOBACTERIUM SULVATICUM

It is a slowly growing type of mycobacteria, it is described in 1901 by Buhler as "yellow bacilli". It is a part of *M. avium* complex (MAC) species group, together with *M. paratuberculosis*.

M. sulvaticum may cause mycobacteriosis. It is often manifested by affection of human respiratory system with destruction of lung tissue, lymphadenitis in children, disseminated processes in people with lesion of immune system. For the last 10 years constant growth of diseases caused by MAC is registered: in USA, Japan, Russia and in some countries of Europe MAC is considered to be the most frequent causative agent of human diseases.

Majority of MAC cultures have natural resistance to antibacterial and often to antituberculosis medications.

KLEBSIELLA PNEUMONIAE

Single rods. Facultative anaerobes. They are wide-spread in nature. Dwell in intestinal tract of humans and animals, on skin and mucosas. Friedlander's bacillus cause pneumonia in humans; they can be the cause of lesion of blepharon mucosas, brain layers, joints and genitourinary organs. They are frequently meet at multi-infections.

HAFNIA ALVEI

It is the only representative of Hafnia genus - rodlike, unencapsulated, non-sporogenous, mobile, gram-negative, chemo-organotrophic, facultative-anaerobic bacterium of Enterobacteriaceae family. It dwells in external environment - soil, water, food products. It is rarely pathogenic. It may be found at intestinal infections, uroinfections, pneumonia, sepsis.

PREVOTELLA BIVIA

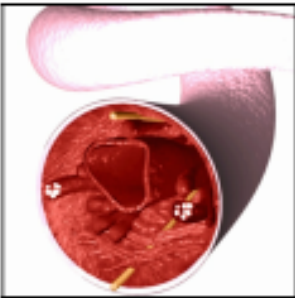
Prevotella Bivia – a type of gram-negative, anaerobic, nonspore-forming, rodlike bacterium. It is part of a normal microflora of a mouth cavity, upper respiratory duct, vagina. It may be found in intestine of healthy people. It may be a reason of several anaerobic infections - pneumonia, pulmonary abscess, chronic otitis, rhinitis and sinusitis. Prevotella was found in brain abscesses, osteomyelitis. It plays major role in a pathogenesis of parodontosis and gingivitis.

Escherichia coli (EHEC) – enterohemorrhagic

Colibacillosis caused by enterohemorrhagic coliform bacterium: it causes haemorrhagic colitis, in severe cases hemolytic-uremic syndrome manifests itself. They include Escherichia typical for normal microflora of cattle. They produce Shigella-like toxin, which links to 60S ribosomal subunit and blocks synthesis of protein. Then cytotoxin gets to blood and causes renal lesions. In some cases it results in death. EHEC includes serovars 0157 : H5, 0126 : H11, 0111 : H(-).

Escherichia Coli (OPEC) – opportunistic

Coliform bacterium is a representative of a normal bacterial composition (microflora) of human gastrointestinal tract. In large intestine, where these bacteria mainly dwell, they fulfill several quite important functions: protection from pathogenic microorganisms and suppression of opportunistic microorganisms growth; synthesis of K, B2, B3, B5, B6, B9 and B12 vitamins; resolving of milk sugar (lactose); participation in digestion of proteins and carbohydrates; participation in processing of cholesterol, bile and fatty acids; assimilation of oxygen, promotion of lacto- and bifid bacterium development, which dislike this gas. When these bacteria enter other cavities of a body, they may promote development of a pathology (peritonitis, urethritis, etc.).

HELMINTS**ASCARIS LUMBRICOIDES**

It is an obligative parasite of humans and animals, causes ascariasis. It must be noted that this term includes all diseases conditioned by Ascaridida nematodes parasitizing in a human small intestine. The main mechanism of infestation is fecal-oral, by swallowing of eggs with contaminated fruits and vegetables and with food (via dirty hands); flies promote semination of food products to a certain extent. Larvae hatch from eggs in a small intestine, penetrate through intestine wall into blood stream of portal vein and invade venous heart through liver and superior vena cava. Through lung artery larvae get to lungs and through pulmonary capillaries wall – to alveoli. From respiratory ducts larvae migrate to mouth cavity (most often during a nighttime) and after mixing with saliva are swallowed again. A larva, that has gotten into intestine again, matures in 2.5-3 months. Total lifetime of an ascarid is 1 year. Formation

of large population of helminthes (more than 50 species) causes appearance of intense symptoms. In adults it is manifested by loss of appetite, nausea, sensation of heaviness in pit of the stomach. In children the following symptoms are typical: salivary discharge, tooth-grinding (during nighttime), pain and swelling in abdomen, depression, night hallucinations, headaches. In majority of cases acidity level of gastric juice is low. Eosinophilia in blood is a frequent symptom. Complications of ascariasis most frequently develop in children – spastic or obturation intestinal obstruction, caused by formation of helminthes tangles (more than 100 species) is registered on average in 2-3 children per 1000 examined. Sometimes ascariasis of liver and obturation of bile ducts with worms is registered. In severe intestinal invasions morbidity lever reaches 3%.

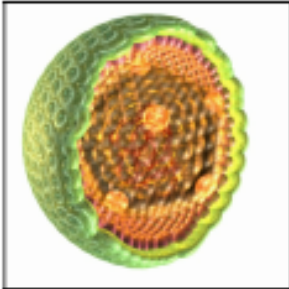
OPISTHORHIS FELINEUS

It is a genus of parasitic flukes, parasitizing in various warm-blood animals and promoting development of opisthorchiasis in a human; opisthorchiasis is a disease characterized by chronic clinical course and dominatin affection of liver, gall bladder and pancreas. Hunam parasite is called cat (Siberian) liver fluke. Opisthorchiasis is a natural focal disease. It is mainly spread in river basins, where all conditions for biocoenosis participants present, and food rations of locals mainly consists of fish and fishery products. In Russian Federation diseases caused by *O. felineus* are registered in the Western Siberia, the Perm district, basins of the Dnepr, the Severniy Donets, the Volga, the Kama. Cercaria larva develops in an organism of gastropods of Bithynia genus (intermediate carriers), which swallowed eggs of parasites. Not earlier than 2 months Cercaria larva leaves gastropods and actively penetrate

through skin into bodies of cyprinid fishes (additional carriers), after that in their muscles larva transforms into metacercaria (invasive forms). The final carriers (for *O. felineus* – cats, dogs, pigs, for *O. viverrini* - cats, dogs, viverras) get infected with eating of contaminated fish. From intestine of a final carrier larvae migrate to liver, gall bladder and pancreas and turn into mature parasites. Human gets infected after eating of soft-salted, poorly dry-cured, incorrectly heat treated or raw fish. Clinical manifestations are conditioned by sensibilization of an organism (especially in early stages) and reflexory influence, as well as mechanical afection of bile ducts. Early stage is accompanied by general allergic reaction, including fever, headache, joints and muscles pain, rashes, lymphadenopathy. Further on (during chronic stage) appear the following symptoms: pain in right hypochondrium and epigastrium, hepatomegalia, signs of cholecystitis and pancreatitis (less frequently gastritis); obstructive jaundice is possible. For treatment usually prescribe hexachloridexyfol and praziquantel in combination with supportive care.

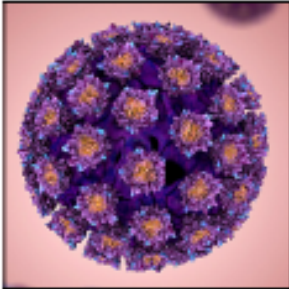
VIRUSES

HEPATITIS C VIRUS



Belongs to RNA - containing Togaviridae. The epidemiology of hepatitis C is in many ways similar to infection contaminations caused by hepatitis B virus. The HEPATITIS C VIRUS has an appreciable genetical variability, so the organism proves unable to develop a long protective immunodefence. In an infected human subject the HEPATITIS C VIRUS is found out not only in hepatocytes, but also in hemopoietic cells. The basic path of transfer is hemotransfusion. Sexually and through placenta it is transferred seldom. The basic problem consists in chronization of the process which frequency exceeds 80 %.

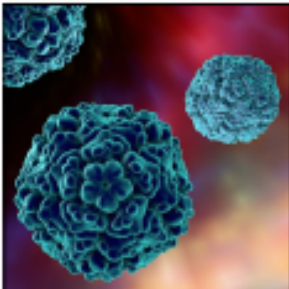
HUMAN PAPILLOMA VIRUS HPV (6 /11) Complex.



Human papilloma virus (HPV) – is a quite numerous genus, including types pathogenic for humans and animals. Causative agents are characterized by evident tropism to skin surfaces and mucous tunics; DNA hybridization method allowed to single out more than 70 types of HPV virus genotypes. Oncogenicity of papillomavirus is quite variable, for example, some papillomaviruses of human cause benign warts, i.e. proliferation of skin surface tissues, at the same time other types of viruses may lead to development of malignant carcinomas (as the result of cellular transformation). Percentage of infected people is quite high and equals to 20-60%, in majority of cases a causative agent is transmitted through micro wounds of skin during contact, at sexual intercourse and by perinatal way. Clinical manifestations: pointed condylomas in uterine cervix are mainly associated with HPV 6, 11, but nevertheless, from the

point of view of oncology, these types of HPV are relatively harmless. Papillomas with low oncogenic risk include HPV 42, 43, 44, 53, 54, 55. However, condylomas and papillomas, developed even because of HPV 6 and 11, should be removed.

ENTEROVIRUS - EV71



After infesting with EV71 the following symptoms appear: high body temperature, rash of arms and legs, hands and feet, nasal cavity, extremities swelling. The infection may cause the following complications: meningitis, encephalitis, pulmonary edema and paralysis. Severe form of enterovirus may lead to death. EV71 mainly affects children under 10 years, serious complications most frequently appear in children under 2.

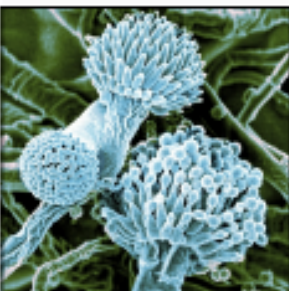
FUNGI

MUCOR FLUOR

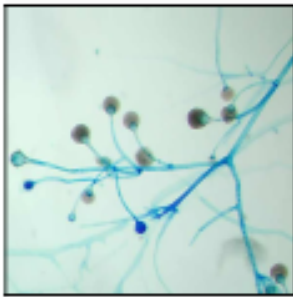


It is caused by mucor fungi Mucor Fluor. The infection contamination reminds a tuberculosis.

ASPEREGILLUS LENTULUS



Aspergillus Lentulus – it is an opportunistic pathogen, which may cause in persons with immune suppression (HIV infection, leucosis) aspergillosis, mycosis with predominant lesion of respiratory ducts, with high mortality rate.

ABSIDIA RAMOSA

Mucormycosis – is caused by Mucorales Absidia Ramosa. Mucorales dwell in soil, manure, in vegetable remains, hay, fruits and vegetables. It is conditionally-pathogenic for humans. Mucormycosis is registered extremely rarely, most often in countries with warm climate. It frequently accompanies HIV, pancreatic diabetes, blood diseases, tuberculosis. At mucormycosis lesions may be superficial, deep or nidal. The disease is chronic, it may be accompanied by affection of lungs, liver, kidneys, lymph nodes, gastro-intestinal tract, and skin in rare cases. At pulmonary mucormycosis this fungus invades bronchi and causes thrombosis of pulmonary vessels. At lesions of eyes and paranasal sinuses, the fungus may grow into intracranial cavity, and cause meningitis. Affection of skin is characterized by formation of sores with black scab. Continuous healthy carriage is possible.

MICROELEMENTS**IODINE (I) in hair**

It is a vitally important, but not genotoxic element. It has high physiological activity; it is a vital structural component of thyrotrophic hormone and thyroid hormones of thyroid gland.

Main reasons of iodine excess in organism is iodine dysbolism and excessive accumulation of it in organism, which may cause goitre formation, development of hyperthyroidism and thyrotoxicosis, headaches, undue fatigability, asthenia and depression.

Decreasing of iodine is caused by insufficient amount (10 mkg/day and less) of this element in food and water. It may result in iodine-deficiency states development (endemic goiter, hypothyroidism, disteriosis, cretinism, etc.), together with various functional and structural abnormalities.

Natural sources: pineapple guava, sea products, iodine-treated salt.

COPPER (Cu) in hair

Copper belongs to vitally important microelements, having an important role in control of redox and neuroendocrinological processes, lipid peroxidation, in forming of conjunctive tissue and hematosi.

Increased amount of copper in blood may be an evidence of liver diseases (cholestasis, cholecystitis, hepatitis, risk of cirrhosis development), susceptibility to essential hypertension, increasing of cholesterol in blood, neoplasms (especially in gynaecology), autoimmune diseases, eczema, migraine, epilepsy, and also a presence of inflammatory diseases of joints and vessels, systemic diseases of conjunctive tissue, dis- (hyper-) pigmentation of skin.

Deficiency of copper may result in psycho-emotional exhaustion, development of anemia, leukocytopenia, vitiligo and other skin diseases, diseases of conjunctive tissue, bones, allergic diseases and thyroxin synthesis abnormalities.

Deficiency of copper can be found at demyelinating diseases, development delay of psycho-speaking and motor activity, infantile spasmodic, genetic diseases. It has adverse effect on hematosi, may be a risk factor for development of heart diseases, diabetes. It may hamper pubescence of girls or may be a precondition for gynaecological diseases.

Natural sources: sea products, cabbage, potato, nettle, corn, carrot, apples, cocoa beans.

IRON (Fe) in hair

Excessive accumulation of iron in child's hair usually associated with irritability of CNS, often with aggressiveness, concentration abnormalities.

In cases with adult patients excessive accumulation of iron in organism usually happen at chronic liver diseases, chronic gastroduodenitis with acidity, stomach ulcer, irritability of CNS, pancreatic diabetes, arthritis.

Iron-deficient condition usually appeared in human organism as anemia, giddiness and head ache, asthenia, undue fatigability, decreasing of concentration and memory, coverlet paleness, high susceptibility to cold and infectious diseases, bones and nails fragility, cardiac murmurs, dysgeusia, inflammatory and atrophic changes of tunica mucosa of mouth and nose, immunodeficiency states.

Natural sources: pistachio, liver, spinach, lentil, peas, red meat.

SELENIUM (Se) in hair

It is a vitally important ultra microelement (average amount in an organism is 10-20 mg), taking major part in regulation of so-called "antioxidant protection of an organism", toxins detoxication in liver, muscle trophism, formation of skin, hair, nails and cornea. Level of selenium in hair truly correlates with concentration of this element in blood serum and blood cells, liver, cardiac muscle, activity of glutathioneperoxidase enzyme.

High level of selenium in hair often determined by using of selenium containing shampoos (anti-dandruff); also it may be registered at some stages of degenerative and oncological diseases (patholysis), cirrhosis.

Insufficiency of selenium is often represented by diseases of skin, nails, hair, immunodeficiency states, joints inflammations, allergoses, decreasing of protein synthesizing and detoxication functions of liver, dystrophic changes in myocardium and muscles. Insufficiency of selenium may affect synthesis of thyroid gland enzymes, susceptibility to neoplasms, cataract, poor eyesight, regeneration of wounded tissues.

Natural sources: garlic, pork lard, wheat bran, белые mushrooms.

BARIUM (Ba) in hair

Medicine uses ability of barium sulfate to absorb x-rays. Barium belongs to "toxic ultramicroelements".

Average content of barium in hair is 0.2-1.0 mkg/g.

Excessive barium accumulation in organism may cause toxic effect to nervous system, cardiovascular system and affect

hematosis.

CALCIUM (Ca) in hair

This element is generally (about 99%) concentrated in bone tissue. Calcium level in hair reflects provision of an organism with this element; deficiency of calcium in bones and organism correlates with its content in hair. In grey or colorless hair level of calcium may be decreased.

Excess of calcium in hair usually evidences not the excess itself but increased circulation (redistribution) and excretion of this element from organism and thus increasing risk of calcium deficiency and diseases of musculoskeletal system, dysfunction (hypofunction) of thyroid and parathyroid glands, autoimmune thyroiditis. Sometimes excess of calcium may be caused by calcium preparations overdose.

Natural sources: dairy products, processed cheese, white cheese, greens, mustard, oatmeal.

LITHIUM (Li) in hair

It is an ultra-microelement taking part in regulation of higher nervous activity, influencing immunity and water-salt metabolism.

High concentration of lithium in hair may be registered at abnormality of kidney excretory function, natrium metabolism, overdosing with lithium preparations.

Low level of lithium in hair is registered at mental disorders, kidney diseases, descendants of alcoholics, immunodeficiency.

Natural sources: mineral water, sea-salt, potato, meat, fish, seaweed.

SILICON (Si) in hair

Silicon is an important structural component of conjunctive tissue.

High content of silicon in hair may be relates to minor abnormalities of water-salt metabolism with susceptibility to urolithiasis, osteochondrosis, arthrosis, diseases of kidney, hair, nails, bronchial tubes and lungs.

Low content of silicon in hair represents weakness of conjunctive tissue, high susceptibility to diseases of hair, nails, skin, bronchial tubes and lungs, vessels (atherosclerosis, varicosity), joints (arthropathy, dislocations), slow wounds healing, fractures. At deficiency of silicon non-specific diseases including neoplasms resistance is decreased.

Natural sources: rough vegetable food, honeysuckle, kidney bean, lentil, soft tendon, drinkable water.

MAGNESIUM (Mg) in hair

It is the most important electrolyte, intracellular element interacting in metabolism processes with K, Ca, Na. Takes part in many enzymatic reactions as an activator.

Significantly increased level of magnesium in hair is means increasing of excretion (displacement) if this element from an organism, redistribution of it in tissues, or it may be caused thyroid gland diseases, chronic stresses, overtaking or intoxication by aluminium or beryllium preparations (they increase excretion of magnesium from an organism).

Deficiency of magnesium may result in heart diseases, essential hypertension; it increases risk of thrombus formation, myocardial infarction, immunodeficiency, pancreatic diabetes, pancreatitis, oxaluria, biliary dyskinesia, cholecystitis. Low concentration of magnesium in hair and blood is registered at "chronic fatigue syndrome", pancreatic diabetes, various skin diseases including circumscribed alopecia, emotional disorders.

Natural sources: cooking salt, mineral water, cashew, buckwheat, laminaria, walnut, peas.

ALUMINIUM (Al) in hair

Relatively allowable level of aluminium in hair of persons from intoxicationrisk group is 40 mkg/g hair.

Excessive aluminium accumulation in organism may influence musculoskeletal system and CNS. Aluminium deposition in organisms' tissues may contribute to development of fibroid chances.

Low aluminium content in hair may be an evidence of dysbolism in bone tissue.

BORON (B) in hair

In medicine we use boron compounds: boric acid, borax. The following effects of these compounds are used: antiseptic, antiphlogistic and antitumoral. Boron has healing effect at osteoporosis, arthritis and bone fluorosis.

Boron belongs to conditionally essential, immunotoxic elements. Average daily need for boron of a human organism is 1-2 mg.

Natural sources: peeled barley, beans, peanuts, almonds, hazel-nuts, macaroni products.

VANADIUM (V) in hair

It is a microelement taking part in regulation of carbohydrate metabolism, cardiovascular system activity, however at excessive accumulation in organism may cause toxic effect, including of carcinogenic character.

Relatively allowable level of vanadium in hair is 0.5 mkg/g.

Excessive vanadium accumulation causes increasing of frequency of bronchopulmonary system and upper airways diseases, neoplasms.

Natural sources: mushrooms, parsley, liver, fatty meat, soy, dill, cereals.

POTASSIUM (K) in hair

It is necessary for "nutrition" of cells, activity of muscles, including myocardium, maintaining of water-salt balance in an organism and neuroendocrinal system functioning.

Excessive accumulation of potassium in hair is often registered at neurocirculatory dystonia, neuroses, hypertension,

arrhythmia, pancreatic diabetes or prediabetes, small intestine diseases, celiac disease; it also can be registered in cases of patients with neoplasms, muscle weakness. People with excess of potassium in hair are usually irritable, impressionable, hyper active; they suffer from hyperhidrosis, frequent urination. Increasing of potassium level in hair may represent excessive accumulation of potassium in organism and redistribution of this element among tissues, electrolytes dysbolism or adrenal glands core dysfunction.

Low level of potassium in hair usually evidences asthenia, kidney dysfunction, adrenal glands function exhaustion, risk of myocardial dysbolism and asequence, mitral valve prolapse, BP regulation abnormalities, development of erosive processes in mucous layers. Patients usually suffer from xerodermia, dullness and weakness of hair. Potassium deficiency in woman organism may be related to cervical erosion and increasing of noncarrying of pregnancy or sterility risk. Development of potassium deficiency is usually associated with diseases of kidney, small intestine, endocrine system, overfatigue, overtaking of depletive, diuretic, hypotensive and hormonal preparation, excess absorption of sodium and caesium by organism.

Natural sources: dairy products, meat, cocoa, tomatoes, beans, potato, parsley, apricots, raising, bananas, black tea.

NATRIUM (Na) in hair

It is an extracellular macroelement, electrolyte, participating in water-salt metabolism, regulation of nervous and muscular activity, kidney functions.

High concentration of this element in hair as a rule reflects water-salt dysbolism, adrenal glands dysfunction, it may be a result of kitchen salt overtaking, pancreatic diabetes, kidney excretory dysfunction, susceptibility to essential hypertension, edemata, neuroses. People, especially kids, with excess of sodium are irritable, impressionable, hyperactive, they may suffer from thirst and hyperhidrosis.

Sometimes sodium accumulation in hair is possible after long-term contact with sea water and some of cleansers.

Low concentration of sodium in human hair is registered rarely, as a rule at neuroendocrinal disorders (hypophysis and adrenal glands dysfunction), as a result of craniocerebral injuries, chronic kidney pathology, chronic intestine diseases.

Natural sources: cooking salt, mussels, lobsters, octopuses, prawns, eggs.

MANGANESE (Mn) in hair

It is one of the most vitally important microelement. It takes part in regulation of many biochemical processes in organism: synthesis and metabolism of neuromediators (CNS), osteogenesis, immune response, lipid peroxidation, insulin and lipids metabolism.

Relatively permissible level in hair is 30 mkg/g hair.

Excessive accumulation of manganese in organism may result first of all in changes in CNS. Undue fatigability, drowse, memory deterioration, low activity, sphere of interest narrowing.

Minor increasing of concentration in hair may mean fast excretion of manganese from organism and deficiency of it in tissues and organs of a human.

Manganese deficiency leads to lipid exchange abnormality, development of pancreatic diabetes, osteoporosis, joint diseases.

Manganese deficiency in organisms of children is represented by susceptibility to allergoses including respiratory ones, neurotic reactions, convulsive states, scoliosis, etc. Significant manganese deficiency is registered at cerebral spastic infantile paralysis, late mental and speech development. Correction of this deficiency has positive effect at serious disorders of CNS.

Natural sources: rye-bread, bran particles, soy, peas, potato, beet, tomato, blueberry.

COBALT (Co) in hair

It is one of the main microelements necessary for normal hematosi and also for activation of many enzymes, functioning of CNS, regulation of vegetative nervous system and thyroid gland functions, cell division.

Excess absorption of cobalt by organism may cause heart diseases, auditory nerve affection, thyroid gland function decreasing, increasing of blood pressure and lipids in blood.

Deficiency of cobalt in organism may result in anemia, general weakness, fatigability, loss of sensation, increased presentation of vegetative nervous system dysfunction, late children development.

Natural sources: liver, milk, beet, radish, sprouting onion, cabbage, parsley, lettuce, garlic.

GOLD (Au) in hair

As colloidal solution it is used at treatment of arthritis and for radioisotope diagnostics. It also has antiseptic action on viruses and bacteria.

In organism of adult there is about 10 mg of gold, about 50% of this element accumulated in bones.

To define element status of gold various biosubstrates are used (evaluation of gold content in hair).

ZIRCONIUM (Zr) in hair

Every day human organism consumes at about 1 mg of zirconium. At acute inhalation poisoning development of acute pneumonitis, manifested as severe inflammation of bronchial tubes and epithelial pitting.

CADIUM (Cd) in hair

This element is very toxic, it can easily enter human organism through gastrointestinal tract or via mother's placenta to foetus. Mechanism of toxic effect to an organism related both to its direct effect to tissues, protein dysbolism and to expulsion from organism of zinc and to a smaller extent copper, selenium and calcium. These elements are antagonists to cadmium.

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Biologically allowable level of cadmium in hair of children and adults is 2 mkg/g hair.

Excessive accumulation of this element in organism may cause dysfunction of kidney, prostate gland, immunodeficiency, skin diseases, anemia, lack of appetite, increased blood pressure, pains in bones and joints, prostate gland dysfunction.

LEAD (Pb) in hair

It belongs to heavy metals group; it is widely spread in environment and may cause human diseases.

Excessive accumulation of lead in organism of a child results in hyperactivity, over-aggressiveness, concentration level abnormality, intelligence decreasing and mental development delay. Excessive accumulation of lead in organisms of children and adults may result in anemia, diseases of gastrointestinal tract, bone system, caries, irritability, extremity aches, stomach aches.

Background level of lead accumulation in hair is 2.5 mkg/g for adults, 1.5 mkg/g for children. Biologically accepted level is 10 mkg/g and 9 mkg/g for children, critical level is 24 mkg/g.

HOMEOPATHY

THUJA

Skin diseases, mucosa diseases; digestion disorders, rheumatism, depression; liability to proliferation (warts, polyps, etc.), and well as morbid states caused by focal toxocosis. Gastroenteric disorders. Dejected mood. Speech disturbance.

RHUS TOXICODENDRON

Contact dermatitis, articular rheumatism, backache, lumbago, neuralgia, feverish infections. Respiratory diseases, digestive tract inflammation, inflamed eyes, cephalalgia, nerve pain, paralysis, vertigo. Rheumatic pain in bones, tendons and muscles. Aftereffects of injury and overstrain. Anxiety, fear, depression.

CINA

Behavior disorders. Bruxism. Colic. Diarrhea. Fever. Otitis media. Pertussis. Seizure disorders. Worms, especially pinworms.

COLOCYNTHIS

Pain spasms and colics in the alimentary tract and hepatolibiary system. Dysmenorrhea, neuritis, including ischias.

AMMONIUM CARBONICUM

Allergy and rhinitis. Bronchitis. Chronic fatigue syndrome. Congestive heart failure. Epistaxis. Haemorrhoids. Pharyngitis. Pulmonary edema. Scarlet fever. Sinusitis. Thyroiditis.

SENEGA

Asthma. Bronchitis. Emphysema. Eye-strain. Pneumonia.

CONIUM

Cough, gland induration. Senile impotence, hypochondria, paresthesia. Cerebral sclerosis. Muscular feebleness. Neoplasms of different localization. Depression. Pruritus. Emphysema.

MEDORRHINUM

Inflammation of urogenital system mucosa, respiratory tract inflammation, digestive tract inflammation, rheumatism, abrupt change in moon.

RATANHIA

Renal fissure. Haemorrhoids. Proctalgia. Constipation. Anxiety and compulsive neurosis. Fissure.

CARBO VEGETABILIS

Gastritis. Catarrhal bronchitis. Venous stasis, musculature spasms. Inflammation of the respiratory tract and cardiovascular system. Mucous hemorrhage. Stomatitis and glossitis. A tendency collapse.

CANNABIS SATIVA

Cystitis. Gonorrhoea. Prostatitis. Torticollis. Urethritis. Urinary tract infection

NITRICUM ACIDUM

Acne. Anxiety. Balanitis. Colitis. Fissures. Gonorrhoea. Headache. Haemorrhoids. Herpes. Low back pain. Malignancy. Panic disorder. Peptic ulcers. Pharyngitis. Rectal cancer. Skin ulcers. Syphilis. Ulcerative colitis. Ulcers and aphthae. Urethritis. Vaginitis. Warts.

CHIMAPHILA UMBELLATA

Urogenital:

Urinary retention; must press long before urination begins. Urinary retention with enlarged prostate. Dysuria. Frequent urging. Forked stream of urine (Thuj). Urethral stricture. Prostatitis. Bening prostatic hypertrophy. Sensation of a ball in the perineum.

HEEL

VERATRUM-HOMACCORD

Drops (solution for injection)

The exact chemical composition: Veratrum D2, Veratrum D10, Veratrum D30, Veratrum D200, Aloe D2, Aloe D10, Aloe D30, Tormentilla, Tormentilla D10, Tormentilla D30, Rheum D1, Rheum D10, Rheum D30.

Indications:

Gastroenteritis, collapse.

COENZYME COMPOSITUM AMPULLEN

Solution for injection

The exact chemical composition: Vitamin C D6, Vitamin B1 D6, Vitamin B2 D6, Vitamin B6 D6, Nicotinsäureamid D6, Acidum cis-aconiticum D8, Acidum citricum D8, Acidum fumaricum D8, Acidum a-ketoglutaricum D8, Acidum DL-malicum D8, Acidum succinicum D8, Barium oxalsuccinicum D10, Natrium oxalaceticum D6, Natrium pyruvicum D8, Cystein D6, Pulsatilla D6, Hepar sulphuris D10, Sulfur D10, ATP (Adenosintriphosphat) D10, Nicotinamid-adenin-dinucleotid D8, Manganum phosphoricum D6, Magnesium oroticum D6, Cerium oxalicum D8, Coenzym A D8, a-Liponsäure D6, Beta vulgaris rubra D4.

Indications:

Stimulation or normalization of operation of blocked enzyme systems in degenerative diseases (cell phase).

CARBONEUM TETRACHLORATUM-INJEEL

The exact chemical composition: D10, D30, D200

(Carboneum tetrachloratum-Injeel forte - D6, D10, D30, D200)

Indications:

Cell phases, especially in liver diseases, agranulocytosis.

STRUMA NODOSA-INJEEL

The exact chemical composition: D10, D30, D200

(Struma nodosa-Injeel forte - D6, D10, D30, D200)

Indications:

Nodular goiter (adenoma), often combined with a cyst, herewith calcification is often present and hemorrhages are present sometimes. Experimentally also in other forms of goiter.

SANGUIS SUIS-INJEEL

The exact chemical composition: D10, D30, D200

(Sanguis suis-Injeel forte - D8, D10, D30, D200/

Sanguis suis D6; D200 - in the form of a single potency)

Indications:

General remedy in dyscrasia, severe forms of diseases caused by the absorbed homotoxins.

It is used as a starting remedy

in the detoxication treatment course.

This remedy is to be used in all

kinds of degeneration phase disorders, whereas

in this case it should be applied at appropriate intervals in regard to other "Biologische Heilmittel Heel" remedies: almost every 1-2-3 weeks, because blood as the main transportation means transports also numerous homotoxins, which reverse the therapeutic impact.

Indications in this case are as follows: leukemia, agranulocytosis, anaemia, allergic states, dermatosis.

Metabolic diseases, particularly diabetes and atherosclerosis, then cholesteremia, polycythemia, etc.

KREOSOTUM-INJEEL

The exact chemical composition: D12, D30, D200

(Kreosotum-Injeel forte - D6, D12, D30, D200)

Indications:

Inflammation with erodent discharges, including those during bronchitis

(cacodorous discharges), fluors, leucorrhoea, vulva itching, tooth caries, hand

eczema, heavy bleeding from small wounds.

MERCURIUS AURATUS-INJEEL

The exact chemical composition: D12, D30, D200

(Mercurius auratus-Injeel forte S - D10, D12, D30, D200)

Indications:

A solid gland tumor.

ROSMARINUS OFFICINALIS-INJEEL

The exact chemical composition: D8, D12, D30, D200

(Rosmarinus officinalis-Injeel forte - D6, D8, D12, D30, D200)

Indications:

Weakness of memory, loss of hair.

THALAMUS COMPOSITUM

Solution for injection

The exact chemical composition: Thalamus opticus D8, Corpus pineale D8, Glandula suprarenalis D10, Viscum album D10, cAMP (cyclische Adenosinmono-phosphorsaure) D6.

Indications:

Stimulation of central regulatory functions in degenerative diseases and tumors.

THUJA-INJEEL

The exact chemical composition: Thuja D10, D30, D200, D1000

(Thuja-Injeel forte: Thuja D2, D10, D30, D200, D1000)

Indications:

Constitutional remedy, especially in ligament problems; in tendency to proliferative processes, such as eruption of warts, blotches, condyloma, papilloma, polyps and hordeolum; fetid breath; hemicrany (especially of the left frontal eminence); allolalia.

ADENOMA PROSTATAE-INJEEL

The exact chemical composition: D10, D30, D200

(Adenoma prostatae-Injeel forte - D6, D10, D30, D200)

Indications:

Prostatitis, prostate adenoma. Dysuria, stranguria, antihomotoxic prostate carcinoma therapy.

MYOSOTIS ARVENSIS-INJEEL

The exact chemical composition: D10, D30, D200

(Myosotis arvensis-Injeel forte - D6, D10, D30, D200)

Indications:

Chronic bronchitis, excessive night sweat.

SPIGELIA-INJEEL

The exact chemical composition: Spigelia D6, D10, D30, D200

(Spigelia-Injeel forte: Spigelia D2, D6, D10, D30, D200)

Indications:

Neuralgic and rheumatic pains, especially in the left shoulder and the left arm; angina pectoris (including the disorders caused by degenerative disc disease, also headaches (especially in the left side), neuritis, neuralgia, especially in the region of the left trigeminal nerve (ophthalmic, maxillary, mandibular), better when lying on the right side.

POPULUS COMPOSITUM SR

Drops

The exact chemical composition: Populus tremuloides, Sabal semulatum, Capsicum D3, Bucco D3, Orthosiphon stamineus D3, Cubeba D3, Camphora D3, Rubia tinctorum D3, Apis D3, Solidago virga aurea D3, Scrophularia nodosa D3, Ononis spinosa D3, Petroselinum D3, Cucurbita pepo D3, Baptisia D3, Uva ursi D3, Scilla D3, Equisetum hiemale D3, Urtica D3, Kreosotum D5, Berberis D5, Cantharis D5, Hydrargirum bichloratum D8, Terebintina D6.

Indications:

Impaired renal and excretory functions, albuminuria, discomfort in the genitourinary system, cystopyelitis, cystitis, hydronephrosis, sand disease (as an additional medication in bacteriuria), the first stage of prostate adenoma.

COLOCYNTHIS-INJEEL

The exact chemical composition: Colocynthis D10, D30, D200

(Colocynthis-Injeel forte: Colocynthis D2, D10, D30, D200)

Indications:

Sudden sharp pains regardless of whether a patient moves or rests; colics (that relief in a "crooked" position, when using heat and impacting); feeling numb after pain; sciatic neuralgia, deconditioning when moving.

MELILOTUS-HOMACCORD N TROPFEN

(Melilotus-Homaccord) - drops/solution for injection

The exact chemical composition: Melilotus officinalis D1, Melilotus officinalis D4, Melilotus officinalis D10, Melilotus officinalis D30, Melilotus officinalis D200, Crataegus, Crataegus D10, Crataegus D30, Crataegus D200.

Indications:

Plethora, pre-apoplexy conditions, hypertension.

CIRCULO-INJEEL

Solution for injection

The exact chemical composition: Argentum D10, Argentum D30, Argentum D200, Arsenicum album D10, Arsenicum album D30, Arsenicum album D200, Barium jodatum D10, Barium jodatum D30, Barium jodatum D200, Calcium carbonicum Hahnemannii D10, Calcium carbonicum Hahnemannii D30, Calcium carbonicum Hahnemannii D200, Curare D10, Curare D30, Curare D200, Solanum nigrum D10, Solanum nigrum D30, Solanum nigrum D200, Tabacum D10,

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Tabacum D30, Tabacum D200, Secale comutum D6, Secale comutum D10, Secale comutum D30, Secale comutum D200.

Indications:

Peripheral circulation failures; acroparesthesia.

RHUS TOX-INJEEL

The exact chemical composition: Rhus toxicodendron D10, D30, D200

(Rhus Tox-Injeel forte: Rhus toxicodendron D2, D10, D30, D200)

Indications:

Rheumatism and neuralgia, worse in cold, wet

weather. Better when the weather changes to warm and dry, and also neuralgia of arms, thoracalgia, sciatic neuralgia,

pains in limbs, conjunctivitis, parotitis,

mastitis, pararitium, carbuncle of dark-red color, predisposition to purulence; erysipelalous inflammation, herpes zoster, weakness and qualm.

PATENTED MEDICAL PREPARATIONS

EURESPAL - France, Les Laboratoires SERVIER - broncholytic preparation

Eurespal (fenspiride) - it has an antiphlogistic and antibronchoconstrictor action.

Indications: upper and lower respiratory tracts diseases: rhinopharyngitis and laryngitis; otitis and sinusitis of various etiology including allergic (both seasonal and constant origin); rhinotracheobronchitis; bronchitis (against a background of chronic respiratory insufficiency or without it);

complicated or isolated bronchial asthma (supporting therapy); respiratory diseases at measles, whooping cough, influenza.

AMBROXOL VRAMED - Bulgaria, SOPHARMA - bronchodilator

Ambroxol Vramed - it has a fluidmotive, fluidlytic and expectorative action; stimulates serous cells of bronchus mucous membrane glands, Increases mucin content and secretion of surface active agent (surfactant) in alveolus and bronchus; increases mucociliary transportation.

Indications: Respiratory diseases with viscous fluid secretion: acute and chronic bronchitis; pneumonia; chronic obstructive disease of lungs; bronchial asthma with phlegm discharge obstruction; multiple bronchiectasis.

PROSTERID - Hungary, GEDEON RICHTER Ltd. - prostatotropic preparation

Prosterid (finasteride) – it is an antiandrogen, synthetic 4-azasteroid compound. This preparation has a suppressive action on dihydrotestosterone stimulating effects for prostate gland adenoma development as a result it lowers the intensity of symptoms caused by prostate gland adenoma.

Indications: treatment of prostate gland benign hyperplasia aimed at: prostate gland size reducing; increasing of urine maximum speed outflow and relief of symptoms related to hyperplasia; lowering the risk of acute urinary retention development and probability of surgical operation related to this problem.

TRANEXAM - Russia, MIR-FARM Company - angioprotective preparation

Tranexam (tranexamic acid) – it is a hemostatic preparation. It is an inhibitor of fibrinolysis. It has local and system hemostatic action at bleedings, related to increasing of fibrinolysis (platelets pathology, menorrhagia).

Indications: bleeding or risk of bleeding development associated with generalized increasing of fibrinolysis; bleeding or risk of bleeding development associated with local increasing of fibrinolysis; hereditary angioneurotic edema; allergic diseases, including eczema, allergic dermatites, nettle-rush, drug and toxic rash; inflammatory diseases of mouth cavity and throat; operative interventions on urinary bladder; surgical manipulations at system inflammatory reaction.

PREDNISOLONUM - GEDEON RICHTER, Hungary

Prednisolonum is a dehydrogenated analogue of Hidrocortizonum and belongs to synthetic glucocorticosteroid hormones. It has common for all corticosteroids properties. First of all, it is recommended at shocks, acute anaphylaxis, severe allergic diseases, at asthmatic status, rheumatic fever and at rheumatic disease, infectious nonspecific polyarthritis, acute lymphatic and myeloid leukemia, infectious mononucleosis, neurodermitis, eczema, hepatitis, hepatic coma, hypoglycemic states, lipoid nephrosis, nephritis without azotemia, for suppression of rejection reaction at homotransplantations of organs. In a form of eye drops it is used at keratites, conjunctivitis, irites, blepharites, inflammations of eyes related with physical or chemical factors.

LASOLVAN - Austria, BOEHRINGER INGELHEIM - broncholytic preparation

Lasolvan (ambroxol) – it is a mucolytic preparation. It has secretomotory, secretolytic and expectorative action.

Indications: acute and chronic diseases of respiratory ducts accompanied by viscous sputum excretion: acute and chronic bronchitis; pneumonia; Chronic obstructive pulmonary disease (COPD); bronchial asthma with hard sputum excretion; multiple bronchiectasis.

CARDIOSTATIN - Russia, MARKIZ-FARMA - hypocholesterolemic preparation

Cardiostat (lovastin) - it is a hypolipidemic preparation; cholesterol endogenous synthesis inhibitor.

Indications: primary hypercholesterolemia (of IIIa and IIb types) with low-density lipoproteins high content (that is not corrected by a special diet and physical activity); combined hypercholesterolemia and hypertriglyceridemia; patients with coronary heart disease coronary atherosclerosis (aimed at slowing down its progression).

L-THYROXIN 100 - Germany, BERLIN-CHEMIE

L-thyroxin 100 (sodium levothyroxine). It supplies a hormone hunger of thyroid gland. In medium doses it stimulates growth and development, increases requirement of tissues in oxygen, stimulates metabolism of proteins, adapses and carbohydrates, enhances capacity of cardiovascular and central nervous systems. When administered in large doses it arrests the development of the thyrotropin-releasing hypothalamic hormone and the thyrotropic hormone of the pituitary body.

Indications: hypothyroidism: primary, secondary, congenital and acquired; euthyroid goiter; at treatment of hyperthyroidism by thyreostatic drugs after achievement of euthyroid state; supressive therapy - after a surgery for cancer of thyroid gland and treatment with radioiodine for prophylaxis of a recurrent tumor.

AVODART - GLAXO SMITH KLINE - prostatotropic

Avodart (dutasteride) - it is a preparation for prostate adenoma treatment. Preparation decreases the size of prostate, improves urination and lowers the risk of acute urinary retention development and the necessity in surgical operation. Indications: prostate adenoma treatment (to decrease the size of prostate; urine flow improvement, lower the risk of acute urinary retention development and the necessity in surgical operation).

POLCORTOLON - Poland, POLFA

Polcortolon (Triamcinolonum). Pharmacological action: anti-inflammatory, antiallergic, antiexudative, antipruritic.

Indications: rheumatic disease, chronic infectious arthritis, Quincke's disease, pemphigus, polymorphic erythema, serious form of bronchial asthma, anaphylactic reactions, angioedema, hemocatheretic anemia, lymphogranulomatosis, leukosis, nephrosis.

ASPIRIN - BAYER , Germany

Aspirinum: it is an antiagregant. It expressly inhibits aggregation of thrombocytes. As concentration of the drug in blood plasma at increases, first antiagregant and then antipyretic and pain-relieving effect develop followed by uricosuric and anti-inflammatory effects. Indications: rheumatic diseases (acute rheumatoid fever and rheumatoid arthritis, chronic polyarthritis), low intensity pains of various etiology (headache, toothache, arthralgia, myalgia, neuralgia, neuritis, dysmenorrhea), feverish states (acute respiratory viral infection, cold and other infectious diseases), thrombophlebitis, prophylaxis of postoperative thromboembolies, prophylaxis of hemorrhagic insults, myocardial infarctions and reinfarctions, prophylaxis of migraine.

CRESTOR - Great Britain, ASTRAZENECA UK Ltd. - hypocholesterolemic preparation

Crestor (rosuvastatin) - it is a hypolipidemic preparation. Main target of rosuvastatin effect is liver where cholesterol synthesis and low-density lipoproteins catabolism is carried out.

Indications: primary hypercholesterolemia (IIa type including familial heterozygous hypercholesterolemia) or combined hypercholesterolemia (IIb type) as a diet addition, in case when diet and other nonmedicamentous treatment methods (for example physical exercises, body weight reduction) are insufficient; familial heterozygous hypercholesterolemia as a diet addition and other cholesterol-lowering therapy or in cases when such therapy is not applicable for the patient.

POLYVINILPYRROLIDONUM - KRKA , Slovenia

Polyvinylpyrrolidone (Haemodasum): Polyvinylpyrrolidone (PVP) - synthetic polymergamma-vinylactam N - aminobutyric acid. PVP drugs belong to the group of dezintoxic medicine. It has clearly expressed absorbing properties (due to availability of -N -C=O group of the molecule). Forming complexes with various substances of protein etiology including toxins and toxic substances, decomposition products of tissues, products of bacterial etiology, they facilitate passing through renal barrier of compounds which without contact with PVP cannot pass through it.

GLEXANE - France, AVENTIS PHARMA SPECIALITES - angioprotective preparation

Clexane (enoxaparin sodium) - it is a preparation of low molecular weight heparin.

Indications: venous thrombosis and thromboembolism prophylaxis, especially in orthopaedy and general surgery; confined to bed patients with acute therapeutic diseases venous thrombosis and thromboembolism prophylaxis. Deep veins thrombosis treatment in combination with pulmonary artery thromboembolism or without it; instable angina and myocardial infarction treatment without Q wave in combination with acetylsalicylic acid; thrombosis development prophylaxis in extracorporeal circulation system during hemodialysis procedure.

IMUDON - Germany, SOLVAY PHARMACEUTICAS - immunomodulating

Imudon - it is an immunostimulating drug of bacterial origin for local application in stomatology, otorhinolaryngology.

Pharmacological effect: it activates phagocytosis, increases content of saliva lysozyme, promotes increasing of immunocompetent cells number and increases content of secretory immunoglobulin A in saliva.

Indications for application. Treatment and/or prophylaxis of: surface and deep periodontosis, periodontitis, stomatitis, glossitis, thrush; inflammatory and infectious affections of mouth cavity and throat; erythematous and ulcerous gingivitis; mouth cavity dysbacteriosis; pharyngitis; chronic tonsillitis; pitting, caused by denture; infections after exodontia, implantation of artificial roots; preoperative preparation for tonsillectomy; postoperative period after tonsillectomy.

DEPOSTAT - SCHERING , Germany

Depostatium (Capronat of gestonoron) is a prolonged gestagene. Its action is based on suppression at cellular level of stimulating effect of testosterone metabolits for development of tumors.

Metaphia Hospital 3D

It is recommended for conservative therapy of adenoma of prostate, cancer of endometria and mammary glands.

NUTRICEUTICALS and PARAPHARMACEUTICALS

ME patch Casanova - NANO PATCH

It improves potency; Restores sperm mobility and energy; Cures problems of urogenital system (prostatitis); Promotes growth of erectile tissue.

LP patch Healthy lungs - NANO PATCH

It promotes improvement of mucous tunic of lungs and respiratory ducts, moistens walls of lungs; Decreases risk of diseases development, such as tuberculosis, asthma and others; Helps to decrease lung cancer development risk; Improves skin health and condition; Improves eyesight.

LI patch Healthy liver - NANO PATCH

It restores damaged cells of liver; Removes toxins, chemicals and heavy metals from blood; Weakens and eliminates hepatitis virus; Allows to strengthen immune system and activate strong antibodies.

HEART OF NORTH

Biologically active supplement "Heart of North" is a combined preparation, containing herbal and animal components, promoting: increased working capacity; organism resistance to negative aspects of environment; quick restoration after physical and mental stress. Components of "Heart of North": reindeer blood. Lyophilisate of reindeer blood represents composed by the nature itself protein complex with high level of bioavailable iron, and containing a large amount of group B vitamins and mineral substances. Thanks to its unique composition blood supports our organism in the following directions: antioxidant protection; intensification of blood formation; it is a source of irreplaceable amino acids for proteins synthesis; Eleuterococcus extract. Eleuterococcus has multi-step effect to an organism: it activates central nervous system; increases motion activity and conditioned reflex activity; mental and physical performance; it has adaptogene effect; normalizes blood pressure at hypotension; Cordyceps Sinensis. Cordyceps has active effect to an organism: it suppresses inflammatory processes; activates metabolic processes in hepatic cells; strengthens immunity; it is a source of biologically active polysaccharides.

CALCIUM WITH VITAMINS C&D - RBC

This calcium masticator provides the organism with the required quantity of calcium, Ferrum and other minerals, as well as connatural trace substances.

HGH patch Source of youth - NANO PATCH

It launches mechanisms of restoration and regeneration of tissues. Internal organs rejuvenate, normal size is restored.

OMEGA 3 EPA - NSP

Regulates lipid exchange and cholesterol content in blood; balances immune, nervous and cardiovascular systems; provides anti-inflammatory prostaglandins creation; lowers platelet aggregation; increases vigor and capacity for work; it is a structural brain and retina matter, providing its correct functioning.

OMEGA 3 EPA - NEWAYS

Sustains equilibrium of lipids and cholesterol in a blood, sinks arterial pressure, retards coagulation of a blood, improves microcirculation, salutarly influencing on a condition of a skin, a hair and nails. Increases intellectual quotient at children. Shows antioxidant properties. Improves a condition of cellular membranes and a cellular metabolism. Promotes formation of prostaglandins. Ingredients: vitamin E (tocopherol). Indications: a hypertonia, a thrombophlebitis, an atherosclerosis, cardiovascular diseases, a pathology of endocrine system, downstroke of immunity. Contraindications: an angiodystaxia, pregnancy.

KELP - NSP

Provides thyroid gland correct functioning; improves metabolism processes; stimulates immune system.

CALCIMAX - ARTLIFE

It is recommended as a prophylactic and fortifying remedy in following events:

- A systemic osteoporosis;
 - Fractures of extremities;
 - Failure of functions of parathyroid glands;
- Reinforcing of an adamantine substance of tooth;
Diseases of joints;
Allergic diseases;
Dermal diseases;
Sugar diabetes.

LETCITHIN GRANULES - VITA LINE

Lecithine-choline - a natural extract on a soya basis for normalization of nervous and mental activity of an organism.

Pharmacological action: is the basic feed of nervous system, is the major constructional material for a brain, sinks a level of cholesterol and concentration of fatty acids in a blood, helps to purify a walls of vessels from cholesterol plaques,

Metapathia Hospital 3D

Improves function of a liver and kidneys, handicaps with appearance of gallstones, helps assimilation of liposoluble vitamins A, D, E and K, all cells of an organism necessary for these vitamins as a feed. Clinical application: the functional disorder of nervous and mental activity, dissipated attention, downstroke of memory, traumatic and infectious diseases of nervous system, degenerative diseases of nervous system (disseminated sclerosis), alcoholic polyneuritis, diseases of kidneys, cardiovascular diseases and an atherosclerosis, a psoriasis.

KELP - NEWAYS

Fortifying, antibacterial, tonic, diuretic, hypotensive. Adjusts a metabolism, renders charitable influence on endocrine system, promotes a withdrawal of toxins and radionuclides. Ingredients: kelp. Indications: defeats of adrenal glands, a hypothyroidism, a hypertonia, poisonings with heavy metals, a hypovitaminosis, disease of a skin, disease of heart, chronic infections, downstroke of immunity, pregnancy. Contraindications: a thyrotoxicosis, a hypotonia, a tuberculosis.

PAU D' ARCO BARC - RBC

The bark of a formic tree - an extract of a bark of a formic tree has antibacterial, antiviral, antifungal, antiparasitic, anticancerogenic and antiallergic properties. It immunopotentiator, strong analgesic and antioxidant.

THE HEPATIC FORMULA - ARTLIFE

The vegetative complex intended for maintenance of metabolic processes in a liver, protections and restoration of its cells. Renders expressed hepatoprotective and antioxidant action, handicaps with damage of membranes of cells of a liver, inhibits transits of toxins. Enhances processes of neogenesis of cells, stimulates synthesis of proteins.

ESSENTIAL OILS d8TERRA

METABOLIC BLEND (SLIM & SASSY)

This blend is designed to help control hunger and to help limit excessive calorie intake. The oils in this blend are calming to the stomach and work to improve emotional well-being. This blend is most effective when combined with exercise and healthy eating.

Common Primary Uses: Appetite Suppressant, Cellulite, Obesity, Overeating, weight Loss

Application:

Topical: Apply on wrists, bottoms of the feet, or on area of concern.

Aromatic: Apply to palms of hands; cup hands over nose and mouth, and breathe deeply. Diffuse into the air.

Internal: Add 8 drops of Metabolic Blend to 16 oz. of water, and drink throughout the day between meals.

Single Oils in This Blend:

Grapefruit: is balancing and uplifting to the mind. It has been used medicinally by the French to help with cellulite and digestion.

Lemon: is invigorating, enhancing, and warming. It promotes health, healing, and energy.

Peppermint: is purifying and stimulating to the human mind. It may also help soothe digestive difficulties.

Ginger: may help increase physical energy and promote healthy digestion.

Cinnamon: enhances the action of other oils. It may improve circulation, digestion, and energy levels. Body System(s)

Affected: Emotional Balance, Digestive System.

Aromatic Influence: This blend of oils is calming to the stomach and uplifting to the mind.

Safety Data: Because this blend contains citrus oils, it may increase skin photosensitivity. It is best to avoid sunlight or UV rays for 12 hours after topical application. Do not apply directly in eyes, ears, or nose. Consult your doctor before using if you are pregnant or have a medical condition.

Companion Oils: Grapefruit, orange, lemongrass, thyme, lavender, Joyful Blend, rosemary, fennel.

LEMON

Extraction Method: Cold-pressed from rind (requires 3,000 lemons to produce a kilo of oil)

Chemical Constituents: Monoterpenes (up to 90%): d-Limonene (up to 72%), α - & β -pinenes (<30%), α - & γ -terpinenes (7-14%), sabinene, p-cymene, terpinolene, α - & β -phellandrenes; Aldehydes (up to 12%): citral, citronellal, neral, geranial, heptanal, hexanal, nonanal, octanal, undecanal; Alcohols: hexanol, octanol, nonanol, decanol, linalol, α -terpineol; Esters (<5%): geranyl acetate, neryl acetate, methyl anthranilate; Sesquiterpenes (<5%): β -bisabolene, β -caryophyllene; Tetraterpenes (<4%): β -carotene, lycopene; Phenols: terpinen-4-ol; Coumarins and Furocoumarins (<3%): umbrelliferone, bergaptene, α -bergamotene, limettine, psoralen, bergamottin, bergaptol, citroptene, scopoletin.

Properties: Anticancer, antidepressant, antiseptic, antifungal, antioxidant, antiviral, astringent, invigorating, refreshing, and tonic.

French Medicinal Uses: Air disinfectant, anemia, asthma, cold, fever (reduces), germicide, gout, heartburn, intestinal parasites, red blood cell formation, rheumatism, throat infection, ureter infections, varicose veins, water purification, white blood cell formation.

Other Possible Uses: This oil may be beneficial for soothing broken capillaries, dissolving cellulite, Clarity of thought, debility, digestive problems, energy, gallstones, hair (cleansing), promoting leukocyte formation, liver deficiencies in children, memory improvement, nails (strengthening and hardening), nerves, nervous conditions, respiratory problems, cleaning children's skin, sore throats, and promoting a sense of well-being. It works extremely well in removing gum, wood stain, oil, and grease spots. It may also brighten a pale, dull complexion by removing dead skin cells.

Body System(s) Affected: Digestive, Immune, and Respiratory Systems.

LAVENDER

Extraction Method: Steam distilled from flowering top

Chemical Constituents: Alcohols (up to 58%): linalol (>41%), α -terpineol, borneol, avendulol, geraniol, nerol; Esters (approx. 50%): linalyl acetate (up to 45%), lavendulyl & geranylacetates, α -terpenyl acetate; Monoterpenes (up to 24%): β -ocimene (<16%) d-Limonene (<5%), α - & β -pinenes, camphene, δ -3-carene; Sesquiterpenes: β -caryophyllene (<7%), γ -farnesene; Phenols: terpinen-4-ol (<6%); Aldehydes: benzaldehyde, cuminal, geranial, hexanal, myrtenal, neral; Oxides: 1,8 cineol, caryophyllene oxide, linalol oxide; Coumarins (<4%); Ketones: octanone (<3%), camphor; Lactones.

Properties: Analgesic, anticoagulant, anticonvulsant, antidepressant, antifungal, antihistamine, anti-infectious, anti-inflammatory, antimicrobial, antimutagenic, antiseptic, antispasmodic, antitoxic, antitumor, cardiogenic, regenerative, and sedative.

French Medicinal Uses: Acne, allergies, burns (cell renewal), cramps (leg), dandruff, diaper rash, flatulence, hair loss, herpes, indigestion, insomnia, lowering blood pressure, lymphatic system drainage, menopausal conditions, mouth abscess, nausea, phlebitis, premenstrual conditions, scarring (minimizes), stretch marks, tachycardia, thrush, water retention.

Other Possible Uses: Lavender is a universal oil that has traditionally been known to balance the body and to work wherever there is a need. If in doubt, use lavender. It may help anxiety, arthritis, asthma, body systems balance, bronchitis, bruises, carbuncles, coldsores, earaches, fainting, gallstones, relieve headaches, heart irregularity, reduce high blood pressure, hives (urticaria), hysteria, insect bites and bee stings, infection, influenza, injuries, repel insects laryngitis, migraine headaches, mental clarity, mouth abscess, reduce mucus nervous tension pineal gland (activates), respiratory function, rheumatism, skin conditions (eczema, psoriasis, rashes), sprains, sunstroke, throat infections, tuberculosis, typhoid fever, and whooping cough.

Body System(s) Affected: Cardiovascular System, Emotional Balance, Nervous System, Skin.

Aromatic Influence: It promotes consciousness, health, love, peace, and a general sense of wellbeing. It also nurtures creativity.

CLEANSING BLEND

Several of the oils contained in this blend are well-known and are often used to help remove odors from the air. Others have been studied for their powerful abilities to disinfect and to remove harmful microorganisms.

Single Oils Contained in This Blend

Lemon: is antiseptic and antiviral. It may help as an air disinfectant and as a water purifier. Its uplifting aroma promotes healing and purification.

Lime: has antibacterial, antiviral, and antiseptic properties.

Pine: has antimicrobial and antiseptic properties. It may also help with cuts and with infections of the urinary system.

Citronella: has antiseptic, antibacterial, antispasmodic, anti-inflammatory, deodorizing, insecticidal, purifying, and sanitizing properties.

Melaleuca: may help balance heart function and act as a cleanser and detoxifier of the blood. It has antibacterial, antifungal, anti-infectious, antiseptic, antiviral, and immune-stimulant properties.

Cilantro: is relaxing, uplifting, refreshing, and may help memory. It may help with burns bites, and stings. Cilantro and coriander are distilled from the same plant—cilantro oil however, is distilled from the leaves of the plant, while coriander oil is distilled from the seeds of the plant.

Body System(s) Affected: The oils in this blend may help it be effective for dealing with various problems related to the Digestive System, to Emotional Balance, and to the Skin.

Aromatic Influence: This blend is great for air purification when diffused. When illness is in the home, diffuse for one hour and then wait for two hours. Repeat this pattern as desired. Diffuse in the office, barn, or garbage areas; or put it on a cotton ball, and place it in an air vent to freshen the car.

Safety Data: Repeated use can possibly result in contact sensitization. Can be irritating to sensitive skin.

DETOXIFICATION BLEND (ZENDOCRINE)

This blend contains oils that have been studied for their abilities to help support organ cleansing and healthy tissue function.

Common Primary Uses: Endocrine Support, Hormonal Balance

Application:

Topical: Massage on bottoms of feet.

Aromatic: Diffuse or inhale the aroma directly.

Internal: Take 35 drops of the Detoxification Blend in capsules either alone or with a Detoxification Complex supplement capsule up to once a day.

Single Oils in This Blend:

Rosemary: has demonstrated strong antioxidant effects and has been used to help mitigate the effects of endocrine disorders such as diabetes and stress-related chronic fatigue.

Cilantro: has been studied for its ability to help support the liver against toxins.

Juniper Berry: is often used for its cleansing and antioxidant properties.

Tangerine: is often used for its antioxidant properties and its ability to support the digestive system.

Geranium: may help with hormonal balance, liver and kidney function, pancreas support, and the discharge of toxins from the liver.

Body System(s) Affected: Hormonal System, Emotional Balance, Skin and Hair.

Safety Data: Because this blend contains citrus oils, it may increase skin photosensitivity. It is best to avoid sunlight or UV rays for 12 hours after topical application. Repeated use can result in contact sensitization. Consult your doctor before using if you are pregnant, epileptic, or have a medical condition.

Companion Blends: Blend for Women.

GRAPEFRUIT

Extraction Method: Cold-pressed from rind.

Chemical Constituents: Monoterpenes (up to 95%): d-Limonene (<92%) myrcene, α -pinene, sabinene, β -phellandrene; Tetraterpenes: β -carotene, lycopene; Aldehydes (>2%): nonanal, decanal, citral, citronellal; Furano-coumarins: aesculetin, auraptene, bergaptol; Sesquiterpene Ketones (<2%): nootketone (used to determine harvest time); Alcohols: octanol.

Properties: Antidepressant, antiseptic, disinfectant, diuretic, stimulant, and tonic.

French Medicinal Uses: Cellulite digestion, dyspepsia, lymphatic decongestant, water retention.

Other Possible Uses: Grapefruit oil may help with cancer, depression, eating disorders, fatigue, jet lag, liver disorders, migraine headaches, premenstrual tension, stress, and sympathetic nervous system stimulation. It may also have a cleansing effect on the kidneys, the lymphatic system, and the vascular system.

Body System(s) Affected: Cardiovascular System.

Aromatic Influence: It is balancing and uplifting to the mind and may help to relieve anxiety.

SOOTHING BLEND

This remarkable blend contains oils that are well known and are frequently studied for their abilities to soothe inflammation, alleviate pain, and reduce soreness.

Single Oils Contained in This Blend

Wintergreen: contains 99% methyl salicylate, which gives it cortisone-like properties. It may be beneficial for arthritis, rheumatism, tendinitis, and any other discomfort that is related to the inflammation of bones, muscles, and joints.

Camphor: is analgesic (pain-relieving) and anti-inflammatory. It may be beneficial for arthritis, rheumatism, muscle aches and pains, sprains, and bruises.

Peppermint: is anti-inflammatory to the prostate and to damaged tissues. It has a soothing and cooling effect that may help with arthritis and rheumatism.

Blue Tansy: is analgesic and anti-inflammatory. It may also help with low blood pressure, arthritis, and rheumatism.

German Chamomile: is antioxidant, anti-inflammatory, and analgesic. It may also help relieve congestion and arthritis.

Helichrysum: may help cleanse the blood and improve circulatory functions. It is anticatarrhal in structure and nature. As a powerful anti-inflammatory, it may even help reduce inflammation in the meninges of the brain. On a spiritual level, it may help one let go of angry feelings that prevent one from forgiving and moving forward.

Osmanthus: is one of the 10 famous traditional flowers of China. The blossoms are highly aromatic and are used in the world's rarest and most expensive perfumes. It is used in Chinese medicine to "reduce phlegm and remove blood stasis."

Body System(s) Affected: The oils in this blend may help it be effective for dealing with various problems related to the Nervous System and to Muscles and Bones.

Safety Data: Repeated use may possibly result in contact sensitization. Use with caution during pregnancy.

Companion Oils: Add frankincense (to enhance) or wintergreen (for bone pain)

BIRCH

Extraction Method: Steam distillation from wood.

Chemical Constituents: Esters (99%): methyl salicylate; betulene, betulinol.

Properties: Analgesic, anti-inflammatory, anti-rheumatic, antiseptic, antispasmodic, disinfectant, diuretic, stimulant (bone, liver), and warming.

French Medicinal Uses: Rheumatism, muscular pain, cramps, arthritis, tendonitis, hypertension, inflammation.

Other Possible Uses: This oil may be beneficial for acne, bladder infection, cystitis, dropsy, eczema, edema, reducing fever, gallstones, gout, infection, reducing discomfort in joints, kidney stones, draining and cleansing the lymphatic system, obesity, osteoporosis, skin diseases, ulcers, and urinary tract disorders. It is known for its ability to alleviate bone pain. It has a cortisone-like action due to the high content of methyl salicylate.

Body System(s) Affected: Muscles and Bones.

Aromatic Influence: It influences, elevates, opens, and increases awareness in the sensory system (senses or sensations).

Safety Data: Avoid during pregnancy. Not for use by people with epilepsy. Some people are very allergic to methyl salicylate. Test a small area of skin first.

DIGESTIVE BLEND

This blend may be useful for improving digestive function. The oils in this blend have been studied for their abilities in balancing the digestive system and in soothing many of that system's ailments.

Common Primary Uses: Bloating, Colitis, Constipation, Cramps (Abdominal), Crohn's Disease, Diarrhea, Food Poisoning, Gastritis, Heartburn, Nausea, Parasites, Sinusitis

Application:

Topical: May be applied to reflex points on the feet and on the ankles. It may also be applied topically over the stomach, as a compress on the abdomen, and at the bottom of the throat (for gagging). Apply to animal paws for parasites.

Aromatic: Diffuse or inhale the aroma directly.

Internal: As a dietary supplement, dilute one drop in 4 oz. of water or soy/rice milk, and sip slowly. May also be used in a retention enema for ridding the colon of parasites and for combating digestive candida.

Single Oils in This Blend:

Ginger: is warming, uplifting, and empowering. Emotionally, it may help influence physical energy, love, and courage.

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Because of its calming influence on the digestive system, it may help reduce feelings of nausea and motion sickness. Peppermint: is an anti-inflammatory to the prostate and nerves. It is soothing, cooling, and dilating to the system. It may also be beneficial for counteracting food poisoning, vomiting, diarrhea, constipation, flatulence, halitosis, colic, nausea, and motion sickness.

Tarragon: may help to reduce anorexia, dyspepsia, flatulence, intestinal spasms, nervous and sluggish digestion, and genital urinary tract infection.

Fennel: may help improve digestive function by supporting the liver. It may also help balance the hormones.

Caraway: is anti-parasitic and antispasmodic. It may also help with indigestion, gas, and colic.

Coriander: is antispasmodic and has anti-inflammatory properties. It may also help with indigestion, flatulence, diarrhea, and other spasms of the digestive tract.

Anise: may help calm and strengthen the digestive system.

Body System(s) Affected: The oils in this blend may help it be effective for dealing with various problems related to the Digestive System.

Safety Data: Use with caution during pregnancy (only a drop massaged on the outer ear for morning sickness). Not for use by people with epilepsy.

Companion Oils: Peppermint.

WILD ORANGE

Extraction Method: Cold-pressed from rind.

Chemical Constituents: Monoterpenes (up to 95%): d-Limonene (<90%), terpinolene, myrcene, α -pinene; Tetraterpenes (<8%): β -carotene (<6%), lycopene; Aldehydes (<8%): citral, decanal, citronellal, dodecanal, nonanal, octanal, α -sinensal; Alcohols (<6%): linalol, cis & trans-carveol, α -terpineol, geraniol; Ketones (<4%): l- & d-carvone (<3%), α -ionone; Esters (<3%): citronellyl acetate, geranyl acetate, linalyl acetate, methyl anthranilate; Furanoids: auraptene, bergaptol, imperatarine; Sesquiterpene Ketones: nootkatone.

Properties: Anticancer, antidepressant, antiseptic, antispasmodic, digestive, sedative and tonic.

French Medicinal Uses: Angina (false), cardiac spasm, constipation, diarrhea (chronic), dyspepsia (nervous), insomnia, menopause, palpitation.

Other Possible Uses: This oil may help appetite, bones (rickety), bronchitis, colds, colic (dilute for infants; helps them sleep), complexion (dull and oily), dermatitis, digestive system, fever, flu, lower high cholesterol, mouth ulcers, muscle soreness, obesity, sedation, tissue repair, water retention, and wrinkles.

Body System(s) Affected: Digestive and Immune Systems, Emotional Balance, Skin.

Aromatic Influence: Orange is calming and uplifting to the mind and body.

Safety Data: Avoid direct sunlight for up to 12 hours after use.

CLOVE

Extraction Method: Steam distillation from bud and stem

Chemical Constituents: Phenols: eugenol (up to 85%), chavicol, 4-allylphenol; Esters: eugenyl acetate (up to 15%), styrallyl, benzyl, terpenyl, ethyl phenyl acetates, methyl salicylate (tr.); Sesquiterpenes (up to 14%): β -caryophyllene (<12%), humulene, α -amorphene, α -muurolene, calamenene; Oxides (<3%): caryophyllene oxide, humulene oxide; Carboxylic Acids; Ketones.

Properties: Analgesic, antibacterial, antifungal, anti-infectious, anti-inflammatory, anti-parasitic, strong antiseptic, antitumor, antiviral, disinfectant, antioxidant, and immune stimulant.

French Medicinal Uses: Impotence, intestinal parasites, memory deficiency, pain, plague, toothache, wounds (infected).

Other Possible Uses: Clove is valuable as a drawing salve—it helps pull infection from tissues. It may also help amebic dysentery, arthritis, bacterial colitis, bones' bronchitis, cholera, cystitis, dental infection, diarrhea, infectious acne, fatigue, flatulence (gas), flu, halitosis (bad breath), tension headaches, hypertension, infection (wounds and more), insect bites and stings, insect control (insecticidal) nausea, neuritis, nettles and poison oak (takes out sting), rheumatism, sinusitis, skin cancer, chronic skin disease, smoking (removes desire), sores (speeds healing of mouth and skin sores), tuberculosis, leg ulcers, viral hepatitis, and vomiting.

Body System(s) Affected: Cardiovascular, Digestive, Immune, and Respiratory Systems.

Aromatic Influence: It may influence healing, improve memory (mental stimulant), and create a feeling of protection and courage.

Safety Data: Repeated use can result in extreme contact sensitization. Use with caution during pregnancy. Can irritate sensitive skin.

WHITE FIR

Extraction Method: Steam distillation from needles.

Chemical Constituents: Monoterpenes (75-95%): l-limonene (34%), α -pinene (24%), camphene (21%), santene, δ -3-carene; Esters: bomyle acetate (up to 10%).

Properties: Analgesic, antiarthritic, anticatarrhal, antiseptic (pulmonary), expectorant, and stimulant.

French Medicinal Uses: Bronchitis, respiratory congestion, energy.

Other Possible Uses: Fir creates the symbolic effect of an umbrella protecting the earth and bringing energy in from the universe. At night the animals in the wild lie down under the tree for the protection, recharging, and rejuvenation the trees bring them. Fir may be beneficial for reducing aches/pains from colds and the flu, fighting airborne germs/bacteria, arthritis, asthma, supporting the blood, bronchial obstructions, coughs, fevers, oxygenating the cells, rheumatism, sinusitis, and urinary tract infections.

Body System(s) Affected: Respiratory System.

Aromatic Influence: It creates a feeling of grounding, anchoring, and empowerment. It can stimulate the mind while allowing the body to relax.

Safety Data: Can irritate sensitive skin.

CALMING BLEND

This relaxing blend contains essential oils that are often used to help calm and soothe feelings of stress, excitement, and anxiety in order to help the body maintain its natural state of health.

Single Oils Contained in This Blend

Lavender: has calming and sedative properties. It may help lift feelings of depression and anxiety.

Sweet Marjoram: may help relax and calm the body and mind and also help promote peace.

Roman Chamomile: is calming and relaxing. It may help relieve muscle tension as well as calm nerves and soothe emotions.

Ylang Ylang: has calming and sedative properties. It brings a feeling of self-love, confidence, joy, and peace.

Sandalwood: is calming and sedative. It helps balance and harmonize the emotions and may help ease nervous tension.

Vanilla Bean Extract: is calming and may help ease tension.

Body System(s) Affected: The oils in this blend may help it be effective for dealing with various problems related to the Nervous System and to Emotional Balance.

Aromatic Influence: This blend of oils is perfect for calming the nerves or emotions at the end of a long day or in times of stress. As the body is able to relax, more blood is able to circulate to the brain.

INVIGORATING BLEND

This uniquely exhilarating blend brings together all of the uplifting and stress-reducing benefits of citrus essential oils in a sweetly satisfying way. In addition to their elevating properties, many of the citrus oils in this blend have been studied for their ability to cleanse and to disinfect.

Single Oils Contained in This Blend

Wild Orange: brings peace and happiness to the mind and body and joy to the heart, which feelings provide emotional support to help one overcome depression.

Lemon: promotes health, healing, physical energy, and purification. Its fragrance is invigorating, enhancing, and warming.

Grapefruit: is an antidepressant, an antiseptic, and a diuretic. It is balancing and uplifting to the mind and may help to relieve anxiety.

Mandarin: is appeasing, gentle, and promotes happiness. It is also refreshing, uplifting, and revitalizing. Because of its sedative properties, it is very good for combating stress and irritability.

Bergamot: has uplifting properties. It may also help with depression and agitation.

Tangerine: contains esters and aldehydes, which are sedating and calming to the nervous system. It is also a diuretic and a decongestant of the lymphatic system.

Clementine: is soothing and sedating and may help ease tension.

Vanilla Bean Extract: is calming and may help ease tension.

Body System(s) Affected: The oils in this blend may help it be effective for dealing with various problems related to the Immune System and to Emotional Balance.

Aromatic Influence: This blend of oils may create an enjoyable aromatic fragrance in the home or workplace. Simple diffusion can be achieved by applying a few drops of this blend on a cotton ball and placing it on a desk at work or placing it in an air vent.

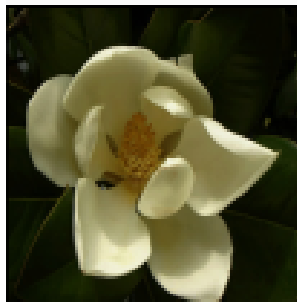
Safety Data: May cause skin irritation. Avoid exposure to direct sunlight for up to 12 hours after use.

PHYTOTHERAPY

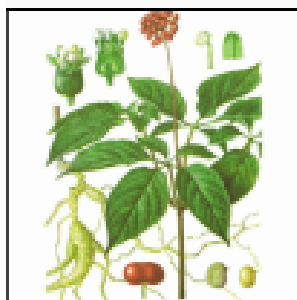
SOLANUM NIGRUM



Medicinally Nightshade / Makoi (h) Kakamachi is anti-inflammatory, antihepatic, antioxidant and anti-hyperlipidemic. It is proved that ancient people used this as medicine and drug. The herb is diuretic, diaphoretic, anodyne, expectorant alternative. Solanum nigrum (Makoi (h) Kakamachi) is useful for the treatment of measles. It is useful against cardiac pain. Solanum nigrum / Nightshade is used as a blood purifier. It is helpful in enlargement of organs like liver and spleen. Solanum nigrum is helpful for the treatment of chronic fever. It is used to cure dropsy. It is useful for arthritis. Solanum nigrum (Makoi) has also anti-diarrheal and antipyretic property. It also used to treat weakness to get strength and vigour, and diuretic in nature. Makoi possesses strong narcotic property. This is useful for the treatment of ulcer. It protects liver and fights against jaundice. Useful for asthma, cough and oral ulcer, it also cures an earache.

MAGNOLIA GRANDIFLORA

Medicinal use of *Magnolia grandiflora*: The bark is diaphoretic, stimulant, tonic. It is used in the treatment of malaria and rheumatism. A decoction has been used as a wash and a bath for prickly heat itching. The decoction has also been used as a wash for sores and as a steam bath for treating dropsy. An alcoholic extract of the plant reduces the blood pressure, produces a slight acceleration in respiration but has no action on the heart.

PANAX GINSENG

Panax ginseng is a plant that grows in Korea, northeastern China, and far eastern Siberia. People use the root to make medicine. Do not confuse *Panax ginseng* with American ginseng, Siberian ginseng, or *Panax pseudoginseng*.

Panax ginseng is taken by mouth to improve thinking, concentration, memory, Alzheimer's disease, work efficiency, physical stamina, preventing muscle damage from exercise, and athletic endurance.

Some people use *Panax ginseng* to help them cope with stress and as a general tonic for improving well-being. They sometimes call *Panax ginseng* an "adaptogen" when it's used in this way.

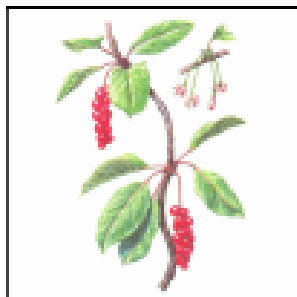
Panax ginseng is also used for depression, anxiety, general fatigue and chronic fatigue

syndrome (CFS), multiple sclerosis, for boosting the immune system, and for fighting particular infections in a lung disease called cystic fibrosis. These infections are caused by a bacterium named *Pseudomonas*.

Some people use *Panax ginseng* to treat breast cancer and prevent ovarian cancer, liver cancer, lung cancer, and skin cancer.

Other uses include treatment of anemia, chronic bronchitis, swine flu, prediabetes and diabetes, inflammation of the stomach lining (gastritis), fever, hangover, chronic obstructive pulmonary disease (COPD), HIV/AIDS, fertility problems and sexual dysfunction in men, to increase sexual arousal in women, and asthma.

Panax ginseng is also used for bleeding disorders, loss of appetite, vomiting, intestinal problems, gallstones, bad breath, fibromyalgia, sleeping problems (insomnia), nerve pain, joint pain, dizziness, headache, hearing loss, convulsions, disorders of pregnancy and childbirth, hot flashes due to menopause, common cold and flu, heart failure, high blood pressure, quality of life, wrinkled skin, and to slow the aging process.

SCHIZANDRA CHINENSIS

Schizandra is a plant. The fruit is used as food and also to make medicine.

Schizandra is used as an "adaptogen" for increasing resistance to disease and stress, increasing energy, and increasing physical performance and endurance.

Schizandra is also used for preventing early aging and increasing lifespan; normalizing blood sugar and blood pressure; and stimulating the immune system and speeding recovery after surgery.

It is also used for treating liver disease (hepatitis) and protecting the liver from poisons. The Chinese have developed a liver-protecting drug called DBD that is made from schisandrin, one of the chemicals in *schizandra*.

Other uses for *schizandra* include treatment of high cholesterol, coughs, asthma, sleep

problems (insomnia), nerve pain, premenstrual syndrome (PMS), chronic diarrhea, dysentery, night sweats, spontaneous sweating, involuntary discharge of semen, thirst, erectile dysfunction (ED), physical exhaustion, excessive urination, depression, irritability, and memory loss.

Some people use *schizandra* for improving vision, protecting against radiation, preventing motion sickness, preventing infection, boosting energy at the cellular level, counteracting the effects of sugar, and improving the health of the adrenal glands.

CROCUS

Other Names: Autumn Crocus, Azafron, True Saffron.

Saffron is used for asthma, cough, whooping cough (pertussis), and to loosen phlegm (as an expectorant). It is also used for sleep problems (insomnia), cancer, "hardening of the arteries" (atherosclerosis), intestinal gas (flatulence), depression, Alzheimer's disease, fright, shock, spitting up blood (hemoptysis), pain, heartburn, and dry skin.

Women use saffron for menstrual cramps and premenstrual syndrome (PMS). Men use it to prevent early orgasm (premature ejaculation) and infertility.

Saffron is also used for to increase interest in sex (as an aphrodisiac) and to induce sweating. Some people apply saffron directly to the scalp for baldness (alopecia).

NELUMBIUM

Lotus seeds are classified as astringents, being sweet and neutral, and benefiting the spleen, kidney, and heart. The sweet taste and nourishing qualities of the seed are responsible for the benefit to the spleen; this helps stop diarrhea associated with qi deficiency. The astringent quality helps prevent loss of kidney essence, so the seeds are used to treat weak sexual function in men and leukorrhea in women. The seed also has calming properties that alleviate restlessness, palpitations, and insomnia (more so in the whole seed with embryo). The medicinal dosage is 6-15 grams when it is combined with other herbs that have similar applications and double that when used as the main ingredient (the amount in the bean and lotus soup is about 7 grams per serving and in the cream lotus soup and sweet lotus desert about 37-40 grams per serving).

ALLIUM VICTORIALIS

Allium victorialis, commonly known as victory onion, Alpine leek, and Alpine broad-leaf allium is a broad-leaved Eurasian species of wild onion. It is a perennial of the Amaryllis family that occurs widely in mountainous regions of Europe and parts of Asia (Caucasus and Himalayas). The root is antiscorbutic, carminative, diuretic and vermifuge. Used in the treatment of profuse menstruation.

CANNABIS SATIVA

Medical cannabis (or medical marijuana) refers to the use of cannabis and its constituent cannabinoids, to treat disease or improve symptoms. Cannabis is used to reduce nausea and vomiting during chemotherapy, to improve appetite in people with HIV/AIDS, and to treat chronic pain and muscle spasms.

Short-term use increases both minor and major adverse effects. Common side effects include dizziness, feeling tired, vomiting, and hallucinations. Long-term effects of cannabis are not clear. Concerns including memory and cognition problems, risk of addiction, schizophrenia in young people, and the risk of children taking it by accident.

Cannabinoids are under preliminary research for their potential to affect stroke or children's epilepsy.

NERIUM

Oleander is a plant. Its use as a poison is well known. In fact, oleander is reportedly a favorite suicide agent in Sri Lanka, where oleander poisonings exceed 150 per 100,000 each year. That's a high number. Approximately 10% of these ingestions are fatal.

Despite the danger, oleander seeds and leaves are used to make medicine. Oleander is used for heart conditions, asthma, epilepsy, cancer, painful menstrual periods, leprosy, malaria, ringworm, indigestion, and venereal disease; and to cause abortions.

A fixed combination of oleander leaf powdered extract, pheasant's eye fluid extract, lily-of-the-valley fluid extract, and squill powdered extract has been used for treating mild heart failure.

Oleander is sometimes applied to the skin to treat skin problems and warts.

LITOTHERAPY**EMERALD**

In old times emeralds were said to possess certain healing powers.

Lythotherapists say that emeralds contain receptive Yin energy. They help in insomnia and drive away bad dreams and nightmares. Emeralds lower temperature, help in curing inflammation, infections, they are also good when having urinary bladder and urinary tracts diseases. Emerald cures diabetes and burns, heart aches, lowers the arterial pressure and helps at curing psoriasis. Emeralds also served as the antidote In old days, curing snake and scorpion bites.

No wonder that due to the fact of its rich green color, emeralds have reputation of eye-diseases cure. Modern lythotherapists think that emerald ornaments lower blood pressure.

PEARL

Health-giving effect of pearl is mentioned in well known "Canon" by Avitsenna and in works of ancient Arabic healers. There is an opinion that pearl goods are helpful at kidney, liver, digestion system diseases and positively influence human body at hypertension. Well known Tibetan medicine work called "Chzundzi" says that pearl is helpful at nervous disorder, amnesia and nerve weakness.

"Pearl water" is also used as a medication, it is water where few pearls were placed for a night. That water can be drunk in morning. It is said that "pearl water" can help at stomatorrhagia and haemorrhoids, treatment of conjunctivitis, gives positive effect at liver diseases and gall-stone disease. Lithotherapists say it can normalize menstrual cycle.

Chinese Taoists considered pearl to be a stiff Yin symbol, elixir of youth capable to prolong human life. Even now some people in Mongolia and China believe that pearl possesses miraculous healing power that helps to treat cataract and other eye diseases.

It is said that pearl losing its original glitter reports about possible disease of its owner. There are some reasons of it – beauty of pearl fades with time, and human's old age brings lots of diseases. In addition changing of chemical substances specter, exuded by skin, can interact with pearl as a detector of some diseases.

MEDICINAL COSMETICS**SUNSHINE BRITE TOOTHPASTE - NSP**

It is a natural toothpaste without fluorine; has delicate mint flavor; wipes away bacteria and cleans tooth without enamel integrity; refreshes mouth cavity; applicable for children.

APIOTHERAPY**LINDEN HONEY**

This is the best choice for treatment of rhinitis, bronchitis, sore throat, laryngitis, bronchial asthma. This honey is also used at inflammation of gastrointestinal tract, gall and renal diseases. It is also can be used locally and anti-inflammatory preparation.

APITOXIN

It contains components having anti-inflammatory, anesthetic and ganglioblocking properties. Apitoxin gives positive effect at hypertension treatment, slows down blood coagulation, decreases cholesterol amount in blood, strengthens oxidation-reduction processes, promotes recovery from atherosclerosis. Apitoxin dilates brain vessels and coronary vessels (used to eliminate post-infarction stenocardia). It has favorable effect to gastrointestinal tract. It decreases production of thyroid gland hormones, strengthens activity of the system: adrenals cortex –hypophysis – hypothalamus, which promotes increasing of organism's resistance and healing effect of apitoxin at rheumatic, allergic and some other diseases.

PROPOLIS

It has unique healing properties and thanks to this fact is it widely used in folk medicine. Nowadays it is used for treatment of all skin diseases, simple wounds and nonhealing skin sores; stomach and duodenum ulcers, inflammatory gynecological diseases, haemorrhoids, rhinitis, flu, neuritis, radiculitis, lung tuberculosis and others.

PEPTIDES**VISOLUTEN - CYTOMAXES®**

Complex of polypeptide fractions acquired from eye tissues. Discharged peptides possess selective action to various eye tissue cells, normalize metabolism.

Recommended:

- retina angiopathy;
- detachment and degeneration of retina;
- elevated stress and eye fatigue;
- glaucoma and cataract;
- accommodation spasm;
- during long work at the computer;
- when driving a car in night-time;
- when using decorative cosmetics;
- when swimming at the pool with the chlorinated water.

BONOTHYRK - CYTOMAXES®

Peptide fractions complex, acquired from parathyroid gland. Discharged peptides possess selective action to parathyroid glands cells, normalize metabolism, increase their functional activity.

Recommended:

- osteoporosis;
- demineralization of bone tissue;
- urolithiasis;
- muscle weakness caused by hyperplasia of parathyroid glands;

- muscular spasms, numbness of muscles caused by hypocalcemia.

NORMOFTAL - CYTOGENS®

A source of peptides that have a tissue-specific effect on retinal and corneal cells.

Acting at the cellular level, eyes peptides are used to activate metabolic processes in tissues of an organ of vision:

- stimulate function of retinal cells and photoreceptors;
- prevent morphological changes in a retina;
- improve the general condition and function of a visual apparatus;
- promote regenerative processes and renewal of corneal and retinal cells;
- stimulate immune defense and prevent occurrence of age-related eye diseases;
- protect eyes from overexertion.

Recommendations:

- inflammation of a cornea after injury;
- glaucoma;
- symptoms of retinal dystrophy;
- in a postoperative rehabilitation period, to accelerate healing processes.

CHONLUTEN - CYTOGENS®

A peptide complex containing amino acids that contribute to the normalization of the function and cells of the lungs and bronchial mucosa.

Recommended:

- chronic respiratory failure;
- chronic cardiopulmonary insufficiency;
- after pneumonia;
- consequences of long artificial lung ventilation;
- respiratory distress syndrome;
- pulmonary tuberculosis in remission;
- chest trauma;
- burns of the upper respiratory tract;
- consequences of toxic damage to the lungs, including carbon monoxide poisoning;
- intensive sports activities;
- to maintain the function of the respiratory system in elderly and senile people.

CRYSTAGEN - CYTOGENS®

A peptide complex containing amino acids that contribute to the normalization of the function of the immune system.

Recommended:

- acute and chronic inflammatory diseases of various etiologies;
- acute respiratory infections, tonsillitis, bronchitis, otitis, sinusitis, pneumonia;
- cystitis, pyelonephritis, prostatitis, adnexitis;
- preoperative and postoperative periods for various surgical interventions;
- generalized infections;
- systemic connective tissue diseases;
- autoimmune diseases of various etiologies;
- conditions after extreme stress loads;
- with reduced immunity;
- maintaining the function of the immune system in elderly and senile people;
- for the prevention of cancer;
- chronic intoxication;
- the period of rehabilitation after a heart attack and stroke;
- rejuvenation of the body as part of complex programs.

LIBIDON - CYTOMAXES®

Complex of peptide fractions, acquired from prostate gland. Discharged peptides possess selective action to prostate gland tissue cells, normalize metabolism in prostate cells.

Recommended:

- chronic prostatitis,
- prostate adenoma,
- erectile dysfunction,
- decline in quality of ejaculate,
- decrease in male libido,
- male infertility.

PIELOTAX - CYTOMAXES®

Complex of peptide fractions, acquired from kidneys. Discharged peptides possess selective action to kidney tissue cells, normalize metabolism.

Recommended:

- urolithiasis;

- nephropatosis;
- anomalies of urinary tract;
- chronic pyelonephritis, cystitis, glomerulonephritis;
- renal insufficiency;
- nephropathies of various genesis, including diabetic nephropathy.

OVAGEN - CYTOGENS®

A peptide complex containing amino acids that contribute to the normalization of the function of the liver and gastrointestinal tract.

Recommended:

- metabolic disease;
- decreased liver function;
- skin diseases;
- normalization of lipid metabolism in atherosclerosis and obesity;
- prevention of diabetes;
- inflammatory diseases of the liver;
- consequences of viral hepatitis of all types;
- alcoholic and toxic liver damage;
- acute liver failure;
- preoperative and postoperative periods during surgical interventions on the liver;
- chronic liver failure;
- long-term antibiotic therapy;
- chemotherapy and radiation therapy;
- cholestasis, biliary dyskinesia;
- cirrhosis of the liver, of various origins;
- enteropathy, dyspepsia;
- prevention of liver diseases in elderly and senile people.

THYREOGEN - CYTOMAXES®

Complex of peptide fractions obtained from the thyroid gland. The isolated peptides have a selective effect on various cells of the thyroid gland, normalize metabolism in cells and regulate the functions of the thyroid gland.

Recommended:

- metabolic disease;
- prevention of thyroid diseases;
- hypo- and hyperthyroidism;
- nodular toxic and non-toxic goiter;
- autoimmune thyroiditis.

VENTFORT - CYTOMAXES®

Peptide fractions complex, acquired from vessels. Discharged peptides possess selective action to various cells of vascular wall, normalize metabolism and regulate functions of vascular system.

Recommended:

- arterial hypertension;
- atherosclerosis of lower extremities vessels;
- obliterating endarteritis;
- atherosclerosis of brain vessels and violations of brain blood circulation;
- coronary heart disease;
- varicosity;
- hemorrhoids;
- angiopathies of various origin;
- after myocardial infarction and stroke.

SVETINORM - CYTOMAXES®

Complex of peptide fractions, acquired from liver. Discharged peptides possess selective action to various liver cells, normalize metabolism in cells and regulate liver functions.

Recommended:

- metabolic disorder,
- decrease of liver function,
- chronic hepatitises of various etiology,
- chronic intoxications,
- skin diseases,
- for normalization of lipid metabolism at atherosclerosis and obesity,
- malnutrition,
- when using diets directed to weight reduction.

SIGUMIR - CYTOMAXES®

A complex of peptides isolated from bone and cartilage tissues. The resulting substances selectively act on human cells,

normalizing their metabolism and regulating the functions of the joints and spine.

Recommended:

- arthrosis and arthritis;
- rheumatism;
- osteochondrosis;
- osteoporosis;
- gout.

VESUGEN - CYTOGENS®

A peptide complex containing amino acids that promote tissue repair and normalize the functional state of blood vessels.

Recommended:

- general and cerebral atherosclerosis;
- ischemic heart disease;
- hypertension;
- endarteritis;
- systemic and local microcirculation disorders;
- dyscirculatory encephalopathy;
- consequences of acute cerebrovascular accident;
- vegetative-vascular dystonia;
- hypercholesterolemia;
- varicose veins of the lower extremities;
- psycho-emotional stress;
- impact on the body of various extreme factors;
- for the prevention of vascular diseases in the elderly and senile age.

BRONCHOGEN - CYTOGENS®

A peptide complex containing amino acids that promote normalization of the bronchopulmonary system functions.

Recommended:

- to neutralize cough syndromes;
- in a complex therapy of respiratory diseases in an acute phase;
- at acute and chronic bronchitis, smokers cough, bronchitis with an asthmatic component, emphysema, lungs obstruction;
- to restore lungs function after quitting smoking;
- for treatment of shortness of breath and bronchial spasms;
- during recovery period after pneumonia caused by infectious viral diseases.

CARTALAX - CYTOGENS®

Bioregulator normalizing the function of cartilaginous tissue and the musculoskeletal system.

Recommended:

- arthrosis and arthritis;
- osteochondrosis;
- osteoporosis;
- degenerative-dystrophic diseases of the joints, limbs and spine;
- rheumatism;
- consequences of injuries of joints and extremities;
- arthropathy of various etiologies;
- gout;
- systemic prevention of osteoarticular injuries in sports;
- systemic connective tissue diseases;
- preoperative and postoperative periods during operations on the joints;
- conditions after extreme physical exertion;
- prevention of degenerative processes in the spine and joints in elderly and senile people.

VLADONIX - CYTOMAXES®

Complex of peptide fractions acquired from thymus. Discharged peptides possess selective action to immune system cells, normalize metabolism in cells and regulate functions of immune system.

Recommended:

- primary and secondary immunodeficiencies;
- prevention of oncological diseases;
- after diseases;
- various chronic intoxications;
- during rehabilitation after heart attack and stroke;
- after surgeries;
- for rejuvenation of organism as a part of complex programs.

CHELOHART - CYTOMAXES®

Complex of peptide fractions obtained from cardiac muscle. The isolated peptides have a selective effect on myocardial

cells, normalize metabolism in cardiomyocytes.

Recommended:

- cardiac ischemia;
- hypertonic disease;
- myocarditis;
- postinfarction cardiosclerosis;
- myocardial dystrophy of various origins;
- heart failure.