

THE NATURE OF THE MINERAL WATER OF THE "TURON" SANATORIUM.

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Abstract. In modern medicine, the nature (mizadg – by Avicennas) of organs, diseases, and medicinal substances is not taken into consideration. Mizadg has been studied only within a narrow framework as the temperament in I.P. Pavlov's classification. In this scientific research, Temperament and nature do not fully encompass Abu Ali Ibn Sina's concept of Mizadg (33, 34).

Keywords: Type, temperament, Mizadg, photon, light, color, ultraviolet, optical, infrared spectral rays, methods of determining the Mizaj of biochemical compounds. Diagnosis and treatment based on Type (Mizadg) (32).

Introduction: What is Mizadg (temperament/nature) itself? It has the concepts of type, nature, and energy (6, 7). To understand easier, we will write mizaaj as "Type". It is the primary basis of all phenomena and bodies in nature. Their qualities are cold, wet/moist, dry, and hot (6, 7, 9). Photon (quantum) energy is the basis of the 4 mizadg (natures). The basis of spectrum rays is the photon!(34).

"LITERATURE REVIEW AND METHODS"

1. Determining the type (temperament) of spectrum rays. Teslina E.V. scientifically determined the organotropism of the rays and designated each color using the symbolism of - fire, water, tree, and earth. - Teslin E.V. 2010 (12).

Type 1, Brain, Kidney organs – water, cold.

Type 2, Neuro – endocrine organs - air, damp.

Type 3, Liver, pancreas organs – earth, dry.

Type 4, Heart, lung organs – fire, hot (34).

1. The energy of UF spectrum rays is the basis for determining the type of biochemical compounds, drugs, proteins, genes, DNA, RNA, peptides, molecules, microorganisms, and pathological substances (34).

2. IQ (IR/Infrared) spectrum rays are the basis for determining the type of substances by their smell and color.

3. Optical (visible) spectrum rays are the basis for determining the type of organs, diseases, drugs, and biochemical compounds (table № 1).

The etalon for determining the type of optical rays is the jumping of the hydrogen electron in each shell; $H. > H. > H. > H.$ (16, table № 1), while for UF and IQ rays; $\sigma \rightarrow \sigma^*$, $\pi \rightarrow \pi^*$, $n \rightarrow \sigma^*$, $n \rightarrow \pi^*$ (10, 12, table № 1, 2).

2. determining the type - temperament of substances;

"Heat is nourished by dampness" $\pi \rightarrow \pi^*$ nourishes $n \rightarrow \pi^*$ (2, 1, II, p 11, 13).

3. We study the determination of the type (temperament) of human organs and diseases based on the organotropism of the rays. Teslina E.V. scientifically determined the organotropism of the rays and designated each color using the symbolism of - fire, water, tree, and earth (12):

Type 1, Brain, Kidney organs – water, cold (19). Biochemical compound -OH, -CH, -NH (8, 11, 12 - 19). Type 2, Neuro – endocrine organs - air, dampness. Biochemical compound - C = C, C = N, C = O, C = S. Type 3, Liver, pancreas organs – earth, dryness. Biochemical compound - C –Hal, C = F, C = Cl, C = Br, C = O = C. Type 4, Heart, lung organs - fire, warmth. Biochemical compound -C. C -, -C. N, C = C = C (34).

4. Treatment rules. We rely on Ibn Sino's Mizaajpharmacology method. "If the temperament of the disease is clear, we use a medicine with an opposing temperament to that temperament, and for an organ with the disease temperament, we use a medicine with a corresponding temperament; that is, a medicine with a temperament contrary to the nature of the disease and corresponding to the diseased organ is used" (5. 379).

Medicines have temperaments: hot, cold, dry, and damp nature (4, 20). They have warming, cooling, drying, and moistening properties (17).

Results: First, to differentiate the chemical composition of our mineral water from other waters, we compare it with Zam-Zam water and "Essentuki № 17" water.

1. Chemical composition of Zam-Zam water: pH 7.8 (28).

2. "Essentuki № 17" - weakly carbonated, chloride-hydrocarbonate, sodium mineral water, moderately mineralized (12.8 g/l)

It has chloride sulfide – hydrocarbonate sodium weakly mineralized properties. Our water's pH is neutral. Zam-Zam and Essentuki waters are alkaline. The temperament (mizadj) of the chemical elements of the "TURON" sanatorium mineral water is as follows (tables №: 1- 3):

DISCUSSION. Relevance of the topic:

1. The treatment principles of Mizadgepharmacology correspond to the rules of pharmacodynamics and kinetics, based on the temperament (mizaaj) doctrine of Abu Ali ibn Sino (Avicenna). From the viewpoint of Mizadgepharmacology, our mineral water is a 3rd and 4th type temperament, i.e., earth (dry) and fire (hot) temperament (34). Earth and fire temperament have alkaline properties, strengthen the immune system, and have high antioxidant properties. They restore the bioenergy of the liver, pancreas, heart, and lung system organs. Cold and damp temperament is resistant to pathogens.

Using Tables №№ 1, 2, we can determine the temperament of any substance. Based on quantum energy, we determine the temperament of existing substances in nature: cell, DNA, RNA, GENES, amino acids, peptides, protein, fat, carbohydrates, tissues, organs, diseases, medicines, and biochemical compounds. Treatment in modern medicine is based on symptomatic therapies and chemical preparations.

2. Diagnosis and treatment based on Acid-Base Balance and pH indicators. Disruption of the A-BB leads to disruption of normal biochemical processes in organs and systems. Metabolism in intracellular and extracellular fluids is disrupted. Even nerve conduction – sinus rhythm – in the heart muscles is disrupted. Our scientific work determined that the higher the pH, the higher the R in the ECG, and the S proportionally decreases (35).

3. **NOVELTY - innovation;** treating the root cause of the disease without disrupting the body's natural energy, taking into account the spectrum rays (temperament/mizadg) of medicines, consistent with pharmacokinetics and dynamics (31, 32,34, 35).

The level of our water's effect on diseases was checked using a pH indicator for the Acid-Base Balance. The dynamics of the water's effect on the body before and after treatments were determined by the change in pH (table No.4).

Conclusion:

In Type 1 diseases, out of 92 cases, 59 changed overall (64.15%),
Of the 59 changes, 20 were acidic (33.6%), 39 were alkaline (66.1%)
In Type 2 diseases, out of 35 cases, 20 changed overall (57.15%),
Of the 20 changes, 2 were acidic (10.0%), 18 were alkaline (90.0%)
In Type 3 diseases, out of 57 cases, 7 changed overall (12.30%),
Of the 7 changes, 4 were acidic (57.0%), 3 were alkaline (43.0%)
In Type 4 diseases, out of 16 cases, 10 changed overall (62.50%),
Of the 10 changes, 3 were acidic (18.7%), 7 were alkaline (43.8%)
A total of 90 cases out of 200 monitored diseases changed overall in dynamics (45%),
Of the 90 changes, 29 were acidic (32.0%), 61 were alkaline (68.0%)

The acidic pH change caused blood thickening, hypoxia, stone formation, and an increase in R and a decrease in S in the ECG above the norm.

In the alkaline pH change, the opposite of the above symptoms was observed (table No.4).

Technical result:

In modern medicine, using medicines according to the spectrum ray type in the Mizadgepharmacology method, along with natural ethiopathogenetic treatment of disease causes, achieves the protection and restoration of human organs from DNA to cells and tissues without harm. The goal is to preserve human genetics purely and pass the gene to future generations in an undamaged state.

Table No. 1. The Mizadg of Organs.

1.	0.1.1	0.	1.	1.	1.0.0.
0.1.	0.0.1	1.0.	1.0.	1.0.	
$\sigma \rightarrow \sigma^*$	$\pi \rightarrow \pi^*$	$n \rightarrow \sigma^*$		$\pi \rightarrow \pi^* -$ $n \rightarrow \pi^*$	
Water	Air	Earth		Fire	
Cold	Humidity	Dryness		Hot	
Broun, ren	Neuroendokrine org.	Liver, splean		Cor, pulmo	
type 1	type 2	type 3		type 4	

Horizontally: 1- color and RGB code (17, 18).
jump / energy transition.
properties / character, 4 – energy, 5- organ, 6 – type (5).

Note: by
2 – energetic
3- nature /

Table No. 2. The Nature/Properties of Chemical Elements of the Mineral Water of the "TURON" Sanatorium Based on the doctrine of Mizadgepharmacology.

Microelements	in	Organs type t**	For
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aqua.	IR spectra.	UV spectra.	Fire spectra (19)	pathogen type t*
Cl ⁻ 40% ekv/l	2400 cm ⁻¹	(27)	Green, type 3	type 2
Na ⁺ 88 % ekv/l	588,9953 nm	(28)	Yellow type 3	type 2
Mg ²⁺ 4	1567 cm ⁻¹	(26)	Yellow type 3	type 2
Ca ²⁺ 8	1565 cm ⁻¹	(29)	Orange, type 3	type 2
SO ²⁻⁴ 31	1150cm ⁻¹	(20)	type 4	type 1
HCO ₃ ⁻ 29	1362 cm ⁻¹	(30)	type 4	type 1
CO ₂ free mg/l 18 – 22	1383 cm ⁻¹	(23)	type 4	type 1
SiO ₃ ,mg/l 44	958 cm ⁻¹	(30)	type 4	type 1
H ₂ SiO ₃ mg/l 57	990 cm ⁻¹ (22,25)		type 4	type 1

Avicenna writes in his book "The Canon of Medicine: "When the nature of the illness (t - typ illness nature/temperament) is precisely determined, a medicine with an opposing effective nature (t* - typ) should be selected; the illness is treated by the opposing effect, and health (t**-typ) is restored by a medicine with a similar effect (t** -typ)" (5) Canon, 1981, kn. 1, ed. II, p. 379.**.

Table No. 3. THE NATURE OF THE MINERAL WATER OF THE "TURON" SANATORIUM.

Cations:	borehole	galleria	Vann.
Na ⁺	377. 16,40. 88.	372. 16,16. 89.	366. 15,66. 88
K ⁺			
NH ₄ ⁺	< 0,1	< 0,1	< 0,1
Ca ²⁺	28. 1,40. 8.	26. 1,30. 7.	28. 1,40. 8
Mg ²⁺	10. 0,80. 4.	10. 0,80. 4	10. 0,80. 4
Fe ³⁺	< 0,1	< 0,1	< 0,1
Fe ₂ ⁺	< 0,1	< 0,1	< 0,1
Total	415. 18,60. 100.	408. 18,26. 100.	398. 17,86. 100.
Anions:			
Cl ⁻	266. 7,50. 40.	266. 7,50. 41.	257. 7,25. 41.
SO ²⁻⁴	271. 5,65. 31.	275. 5,73. 32.	267. 5,56. 31.
NO ₂ ⁻	< 0,01	< 0,01	< 0,01
NO ⁻	3. 0,05. -	2. 0,03. -	3. 0,05. -
CO ₂ ⁻	abs.	abs.	abs.
HCO ₃ ⁻	329. 5,40. 29.	305. 5,00. 27.	305. 5,00. 28.
Total:	869. 18,60. 100.	848. 18,26. 100.	832. 17,86.

The Formule by Kurlov.	$1,18 \frac{Cl40 SO31 HCO29}{Na88}$	$1,17 \frac{Cl41 SO32 HCO29}{Na89}$	$100. \frac{Cl41 SO31 HC}{Na88}$
Hardly: mg-ekv-l			
Common	2,20	2,10	2,20
Carbonat	2,20	2,10	2,20
Carbonatness	-	-	-
pH	6,20	6,70	7,00
CO ₂ free mg/l	22	20	18
CO ₂ agr. mg/l	-	-	-
Oxadation mg O ₂ /l	1,50	1,45	1,40
SiO ₃ ,mg/l	44	44	44
H ₂ SiO ₃ mg/l	57	57	57
H ₂ S, mg/l	-	-	-
F, mg/l	-	-	-

Table No. 4. Temperamental-pharmacological (healing) properties of “TURON” mineral water – in the style of Abu Ali Ibn Sina.

Mizadg	nam ber	H b	L ey	jb	b	bch	a ↑	↓	↑	↓
Brain, ren	92	3	2	2		3				1
Neuroendokrine org.	35	3	4	4		4				4
Liver, spleen	57	8	3	7		7	1			2
Cor, pulmo	16	1		1		3				5
tally	200	5	1	9	4	7	2			2

Table No. 4(continuation).

Mizadg	H p	H* p	d					
			* pH	k	%	i %		
Brain, ren	92	9	5	64,	2	3	3	6
Neuroendokrine org.	35	0	2	57,		1	1	9
Liver, spleen	57	7		12,		5		4
Cor, pulmo	16	0	1	62,		3		7
				50	3	0,0	7	0,0

tally	2	9	45,	2	3	6	6
	00	0	00	9	2,0	1	8,0

Hb –hemoglobin,
 Ley – Leucocytes,
 cjb – coagulability,
 db – diabetes,
 abch – analysis biochemical,
 R↑ - above the line
 R↓ - below the line
 S↑ - above the line
 S↓ - below the line
 pH – pH saliva
 pH* - changed pH
 pH* % - changed pH by %
 d - differens
 k – sour and % - changed sour by %
 I - alkaline and % - changed alkaline by %.

References:

1. Аллах. Коран. Суры «Аль – Хиджр», 22- аят.
2. Абу Али Ибн Сина. Авиценна. Канон, 1981, кн. 1, издII, с. 11.
3. Абу Али Ибн Сина. Авиценна. Канон, 1981, кн. 1, изд, II, с. 13.
4. Абу Али Ибн Сина. Авиценна. Канон, 1981, кн. 1, изд. II, с. 24.
5. Абу Али Ибн Сина. Авиценна. Канон, 1981, кн. 1, изд. II, с. 379.
6. Абу Али Ибн Сина. Авиценна. Канон врачебной науки. Избранные разделы. 2, 3, 4 стр. n.ziyouz.com.
7. Абу Али Ибн Сина. Авиценна. Канон врачебной науки. Избранные разделы. 28, 32, стр. n.ziyouz.com.
8. В. В. Тыжигирова. Применения ультрафиолетовой, видимой и инфракрасной спектроскопии в анализе лекарственных средств. Учебное пособие. Иркутск. ИГМУ. 2018. 12,13 - 23 стр.
9. Лекарь Авиценна. <https://ethnomir.ru/articles/lekar-avitseenna>.
10. Практические рекомендации по регистрации инфракрасных спектров. <https://mydocx.ru/4-67730.html>
11. Типы электронного перехода инфракрасного излучение <http://library.gpmu.org/edoc/pdf/2019/file000394.pdf>.
12. Теслин Е.В. "Цветотерапия" Лекция №1, 2010 год. "Цветотерапия". Цикл лекций для врачей-специалистов. Лекция №1.68 стр. Лекция №3.
13. Uzbekgidrogeologia. Markaziy gidrokimyo laboratoriyasi, Buyurtma – 113. 11.06.2024.
14. ФГАОУ ВО Первый МГМУ им. И.М.Сеченова Минздрава России (Сеченовский Университет). Шарофова Мижгона Умеджоновна. Экспериментальное изучение лекарственных растений, применяемых в медицинской системе Авиценны для лечения диабета. 14.03.06. Фармакология, клиническая фармакология. Диссертация на соискание

учёной степени доктора медицинских наук.

sechenov.ru/upload/medialibrary/093/Dissertatsiya.pdf.

15. light, the visible spektrum; open-electronics.org.

16. [Physics of Color. Spectrum of Visible Light Wavelengths & Photons.](#)

17. R.G.B. <https://ru.wikipedia.org/wiki/RGB>.

18. R.G.B. www.color-blindness.com/color-nime-hue.

19. scienceready.com.au/pages/atomic-emission-spectroscopy-flame-test

20. <https://pubchem.ncbi.nlm.nih.gov/#query=SO2-4> .

21. Минеральная вода ЕССЕНТУКИ №17. mineralnaya-voda-essentuki/byu_essentuki-17.php

22. [pubchem.ncbi.nlm.nih.gov/compound/Silicic-acid- H₂SiO₃ -disodium](https://pubchem.ncbi.nlm.nih.gov/compound/Silicic-acid-H2SiO3-disodium)

23. Carbon Dioxide.IR Spectra.Vapor Phase IR Spectra.

pubchem.ncbi.nlm.nih.gov/compound/Eureceptor#section=Drug-Indication.

24. PubChem. Silicic acid (H₂SiO₃),disodium salt, pentahydrate (compound)-
[pubchem.ncbi.nlm.nih.gov/compound/Silicic-acid- H₂SiO₃ -disodium](https://pubchem.ncbi.nlm.nih.gov/compound/Silicic-acid-H2SiO3-disodium)

25.NIH National Library of Medicine NCBIThe .gov means it's official.Federal government websites often end in .gov or.mil [Silicic-acid- H₂SiO₃ FTIR-Spectra](https://pubchem.ncbi.nlm.nih.gov/compound/Silicic-acid-H2SiO3-FTIR-Spectra), [spectrum/CsADlgC2pM5](https://pubchem.ncbi.nlm.nih.gov/compound/Silicic-acid-H2SiO3-FTIR-Spectra).

26.Coordination structures of Ca²⁺ and Mg²⁺ in Akazara. pubmed.ncbi.nlm.nih.gov/11733025.

27. Infrared Spectra of the Water-CO₂ Travis Gartner 1, Clément Lauzin 2, A R W McKellar 3, Nasser Moazzen-Ahmadi 1.pubmed.ncbi.nlm.nih.gov/37067811/

28.Вода "Зам-Зам" 100% 5 л. islamicst8161-voda-zam-zam-100-5-l-ne-razbavlennyj.

29. [www.journalofdairyscience.org/article/S0022-0302\(89\)79287-0/pdf](https://www.journalofdairyscience.org/article/S0022-0302(89)79287-0/pdf) .

30.pubchem.ncbi.nlm.nih.gov.[compound/Silicic-acid- H₂SiO₃ -disodium](https://pubchem.ncbi.nlm.nih.gov/compound/Silicic-acid-H2SiO3-disodium).

31. Х.Ш.Машрапов. Монография. СПОСОБ ОПРЕДЕЛЕНИЯ СВОЙСТВ ХИМИЧЕСКИХ СОЕДИНЕНИЙ. 2024. УДК: 615.89+ 615.011.5 ББК: 53.59+52.

82 М 38.Издательство “Ma’rifat”, Ташкент, 2024г.

32. H.Sh. Mashrapov. “Metod of determination of properties of biochemical compounds”
INTERNATIONAL SCIENTIFIC JOURNAL VOLUME 4 ISSUE 3 MARCH 2025 ISSN: 2181-3337 | SCIENTISTS.UZ <https://doi.org/10.5281/zenodo.15164136>.

33. H.Sh. Mashrapov. FOTON ENERGIYASI MIZOJNING ASOSI – مزاج.

MIZOJAFARMAKOLOGIYANING DOLZARBLIGI. Worldly Knowledge. Yil tadqiqotchisi – 2025.<https://wordlyknowledge.uz/index.php/gpble> Qabul qilingan sana: 03.12.2025,Nashr etilgan sana: 26.01.2026.<https://wordlyknowledge.uz/index.php/gpble>.

34. H.Sh. Mashrapov. CHEMICAL COMPOSITION AND HEALING PROPERTIES (MIZAJ-PHARMACOLOGY) OF THE MINERAL WATER OF THE “TURON” SANATORIUM. Mashrapov Hasanbay Sharifovich , Physician – Physiotherapist “TURON” Sanatorium JSC.

<https://www.academicpublishers.org/journals/index.php/ijai/article/view/7961>.

33. 35. H.Sh. Mashrapov. «TURON» SANATORIYASI MA`DANLI SUVINING KIMYOVIY ELEMENTLAR TARKIBI VA SHIFOBAHSH HUSUSIYATLARI (MIZADJEFARMAKOLOGIA). Home / Archives / Vol. 11 No. 1 (2025): ILM FAN XABARNOMASI /

Articles.<https://worldlyjournals.com/index.php/Yangiizlanuvchi/article/view/20935>