

**IQ AND THE ETHNIC DIFFERENCES IN GENETIC IMMUNITY TO CANCER**

**Rumyantsev S.N.**

Department of Evolutionary Immunology, Andent Inc., 31 Cove Lane 6a, Brooklyn, New York, 11234, USA.

**\*Corresponding Author: Prof. Dr. Rumyantsev S.N.**

Department of Evolutionary Immunology, Andent Inc., 31 Cove Lane 6a, Brooklyn, New York, 11234, USA.

Article Received on 23/01/2019

Article Revised on 13/02/2019

Article Accepted on 05/03/2019

**ABSTRACT**

Main goal of this article is to present more exhaustive information about genetic immunity to cancer. The data about the subsistence of the disease in 125 ethnoses around the World have been analyzed. The groups of most immune and most susceptible ethnoses have been revealed. Causative agent of this disease is a specific eucariotic genomic parasite, spreading amongst humans via its intrusion in the genomes of susceptible organisms. The Intrusion of cancerous genes is performing by contaminated human gametes, either by the sperm or by the egg. The parasite subsistence of human cancerous disease is functioning at the expense of substances and functions derived from the body of its prey. This trait is crucial for the progression of cancer within a human body but intensive nutrition of developed cancerous tissues leads contaminated person to the loss of his body weight and to inevitable death. The subsistence is provided with the possession by cancerous subjects of genetic immunity to the victim's immune defense and cell regulation. The group of most immune ethnoses is characterized by low levels of IQ. These new notions provide framework and landmarks for the detection and discovery of genomic roots of cancer and encourage new proposals for its healing and prevention, as well as for the discovery of the origin and evolution of cancer.

**KEYWORDS:** Cancerous disease/ cancerous tissues/ cancerous gametes/cancerous genealogy/ cell regulation/ embryogenesis/eukaryotic parasite/genetic immunity/ genome intrusion/ genomic parasite/female cancerous gamete/ healing of cancerous disease/ immune response/ male cancerous gamete/ parasite invasion of a genome/ovum/prevention of cancerous disease / self-procurement of cancerous disease/selfish genes/ sexual transmission of cancerous disease /ovum /sperm/xenogamy/.

**INTRODUCTION**

For many decades the ability of cancer to invade human body and subsist in it like a parasite was out of the main stream of the discoveries of the biology, epidemiology, genetics, immunology and pathogenesis of this disease. The ability to withstand the invasion by the means of immunity has been neglected too. The first evidences of genetic immunity against cancer have been received thank to pioneering both families and genealogical observations, that have been made at the beginning of XX Century . Warthin (Warthin, 1913, 1925, Hauser, 1936). Unfortunately, these first evidences have been neglected and forgotten. Most recent data of genetic immunity against cancerous disease are presented. Main goal of this article is to present recent information about genetic immunity to cancer. Ethnic differences in susceptibility to cancerous disease. The data about the subsistence of the disease in 125 ethnoses around the World have been analyzed.

**MATERIALS AND METHODS**

Main point has been made on the discovery of ethnic differences in native immunity to cancer. The data base of 1999-2007 Cancer Incidence and Mortality Data.

2007. National Program of Cancer Registries. Bethesda, Maryland: USA CDC has been used. The data about the subsistence of the disease in 125 ethnoses around the World have been analyzed.

**RESULTS AND DISCUSSION**

The differences amongst 125 observed ethnic populations have been analyzed. Two main groups of populations have been revealed: the group of most immune populations and the group of most susceptible populations.

**Most Immune populations (Index of Mortality < 100)**

African Populations			
Liberia	89.21		
Niger	63.42	Guinea	90.02
Benin	64.30	Gabon	90.15
Gambia	68.24	Sudan	91.10
Cape Verde	74.88	Togo	91.14
Namibia	82.66	Ghana	91.66
Guinea Bissau	83.05	Sierra Leone	92.27
Mauritania	85.66	Central African	
Chad	88.11	Republic	92.86
Congo	88.18	Western Sahara	97.22
Burkina Faso	88.2	Cameroon	97.56

Maldives	88.93	Nigeria	100.13
Cote d'Ivoire	88.96	Angola	100.81
		Senegal	101.21
<b>West Asian Populations</b>			
Yemen	80.36	Saudi Arabia	91.06
Oman	82.05		

**Central Asian Populations**

Nepal	85.18
India	93.96
Shree Lanka	94.83
Uzbekistan	99.70

**Less immune populations**

Erithrea	101.7
Kuwait	102.12
Ethiopia	108.03

**Most susceptible populations****Populations of West European Origin**

Belarus	218.6
Romania	224.20
Poland	229.59
Bulgaria	234.80
Portugal	246.21
Lithuania	251.87
Austria	254.09
Sweden	269.9
Italy	278.1
Germany	283.84
Switzerland	286.97
Lichtenstein	286.97
Hungary	285.39
Iceland	284.35
England	292.59
Czech Republic	293.83

Estonia	242.84
Macedonia	239.27
Montenegro	238.25
Bulgaria	234.80
Poland	229.59

Montenegro	238.25	Slovakia	276.95
Macedonia	239.27	Italy	278.61
Estonia	242.84	Germany	283.84
Portugal	246.21	Iceland	284.35
Latvia	246.77	Hungary	285.39
Spain	249.45	Lichtenstein	286.97
Lithuania	251.87	Switzerland	286.97
Austria	254.09	Czech Republic	293.83
Croatia	266.86		
Serbia	269.74		
Sweden	269.99		

Denmark	338.09
Belgium	321.05
Norway	318.29
Ireland	307.91
Netherlands	304.80
France	303.54

**Populations of Native Australians 397.44****Tasmanian population 493 98****Less susceptible populations**

Russia	204.30	Armenia	257.02
Turkey	205.08	New Zealand	295.02
Brazil	205.48	Canada	295.72
Argentina	216.68	New Caledonia	297.91
Japan	217.11	Korean Republic	307.77
Kazakhstan	236.48	USA	317.97
		Current Australians	322.98

<b>South East Asian Populations</b>	Thailand 137.48
	Indonesia 133.52
<b>Melanesian populations</b>	Philippines 139.98
Vanuatu	107.76
Solomon Islands	116.34
<b>North African populations</b>	Lao PDR 143.83
Tunisia	110.57
Mali	111.42
Morocco	117.84
Algeria	123.49
Libya	124.12
11. Egypt	152.04
<b>Central Asian Populations</b>	Papua New Guinea 165.23
Bangladesh	104.45
Pakistan	111.82
Afghanistan	115.23
Iran	127.69
Kyrgyzstan	137.65
<b>Near East Populations</b>	China 173.97
Azerbaijan	141.94
Syrian Arab Republic	145.91
Jordan	155.40
	Korean Dem Republic 181.19
	<b>South American Populations</b>
	Nicaragua 114.42
	Mexico 131.54
	Honduras 131.25
	Guatemala 130.39.
	Panama 148.44
	Costa Rica 149.73
	Dominican Republic 153.41
	Belize 160.69
	Bolivia 143.39
	Paraguay 147.77
	Venezuela 150.03
	Peru 154.52
	Suriname 159.64

Greece 163.00 Georgia 181.04	Colombia 160.63 French Guyana 160.88 Ecuador 164.45 Guyana 165.93 4 Chile 175.69
---------------------------------	--

The data, that have been presented and analyzed above, are in quied accordance with the theory of invasive origin and parasite subsistence of human cancer (Rumyantsev, 2018). According to data of evolutionary epidemiology, genetic immunity to infectious diseases is elaborated firstly in populations, that had more ancient confrontation with relevant epidemics. Analogous correlations are seen also in the case of genetic immunity to cancer. The above presented data are evidenced, that pandemics

of cancerous disease started firstly amongst the populations of West Africa, Abissinia and India. Most susceptible populations (west europeans, australian aborigines and Tasmanians) met the pandemics of cancer far later.

The data about twonopposite groups of ethnoses has been compared, intuitively, in the relation of their levels of the indexes of IQ.

The idexes of IQ in most immune populations are as follow:

	Kenya	71	480 \$	33 \$	28.8 °C
93	Tanzania	71	325 \$	13 \$	29.9 °C
94	Ivory Coast	71	796 \$	39 \$	32.0 °C
95	South Africa	70	3,931 \$	221 \$	24.8 °C
96	Sudan	70	545 \$	14 \$	36.5 °C
97	Nigeria	70	508 \$		33.0 °C
98	Ghana	69	530 \$	34 \$	31.5 °C
99	Namibia	69	2,749 \$	196 \$	29.1 °C
100	Mozambique	65	282 \$	11 \$	29.3 °C
101	Democratic Republic of the Congo	63	229 \$	4 \$	30.0 °C
102	Eritrea	63	250 \$	9 \$	29.2 °C
103	Guinea-Bissau	62	307 \$	12 \$	32.9 °C
104	Ethiopia	61	189 \$	8 \$	27.1 °C
105	Senegal	60	685 \$	30 \$	35.7 °C
106	Gambia	60	568 \$	12 \$	32.8 °C
107	East Timor	60	1,517 \$	227 \$	31.0 °C
108	Gabon	60	4,830 \$	190 \$	29.7 °C
109	Sao Tome and Principe	58	881 \$	54 \$	28.6 °C
110	Equatorial Guinea	56	3,336 \$	156 \$	30.2 °C

The indexes of IQ in most susceptible ethnoses are far higher. The possessi no f genetic immunity to cancer is associated with low level of intelligence.

## CONCLUSION

The differences amongst 125 observed ethnic populations have been analyzed. Two main groups of populations have been revealed: the group of most immune populations and the group of most susceptible populations. The possession of genetic immunity to cancer is associated with low level of intelligence. This association can not be foretelled before.

These new data have allowed us to conclude that revealed differences are of genetic i.e. of evolutionary origin, compatible to those ones, that have been discovered in the area of genetic immunity against infectious diseases.

The above new notions provide framework and landmarks for the detection and discovery of genomic

roots of cancer and encourage new proposals for its healing and prevention, for the discovery of the origin and evolution of cancer, as well as of its impact on both ancient and future evolution of humankind.

## REFERENCES

1. 1999-2007 Cancer Incidence and Mortality Data. 2007. National Program of Cancer Registries. Betesda, Maryland: USA CDC.
2. Hauser J, Weller CV: A Further Report on the Cancer Family of Warthin. Am J Cancer, 1936; 27(3): 434-450.
3. Rumyantsev SN (2008) Hereditary immunity: fundamental principles and exploitation in life study and health care. Nova Science Publishers, New York, USA.
4. Rumyantsev S.N.Parasite subsistence of human cancer Novel Approaches in Cancer Study, 2018; 1, 2, 1-15.
5. Warthin AS: Hereditary with reference to carcinoma as shown by the study of the cases examined in

thepathological laboratory of the University of Michigan, 1895- 1913. Archives of Internal Medicine, 1913; 12: 546-555.

6. Warthin AS: The further study of a cancer family. J Cancer Research, 1925; 9(279): 286.