

**【Research and report】**

Schizophrenia and similar disease-rich zone: research in the Goto region

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**【Abstract】**

The islands in the western end of Nagasaki (hereinafter referred to as Goto region) facing Goto Islands and Goto Islands in Nagasaki prefecture are the most frequent areas of schizophrenia and similar diseases. Based on my experience, it is estimated to be ten times the national average. It may be because it is a closed special environment of the island why it is. However, there are no reports that islands throughout Japan are highly frequent areas of psychiatric disorders such as schizophrenia.

Because the Goto region is a closed environment, the psychiatric examination rate is extremely low. To a lesser extent, we will not visit a psychiatrist in this area (Goto region) unless it becomes severe.

Moreover, it seems that there are very many cases of onset and severe disease coming out from here (Goto region).

In addition, the case is only the fact that the birth place of the ancestor of the case such as the hometown itself, the case itself, the parent of the case, the grandparent of the case, or the great-grandparent of the case is the Goto region, and living in the Goto region Do not mean.

It is also thought that some virus, spirochete, or something else is involved. The Goto region is a highly prevalent region of retrovirus ATLV (adult T-cell leukemia virus). However, there are several other regions in Japan where ATLV (adult T - cell leukemia virus) is spreading at a high rate like the Goto region. There is no report that schizophrenia is frequent in those areas.

It is inevitable to think that many genes that cause schizophrenia and similar diseases inserted in the gene by retrovirus are excreted in the Goto area.

In case

In case

**【Key words】** goto district, schizophrenia, adult T-cell leukemia virus, vector

## 【Introduction】

Many pathological conditions that can be diagnosed both as acute psychotic conditions and extremely severe anxiety disorders as characteristic of psychiatric disorders from the Goto population are also very difficult to distinguish from schizophrenia. It is such serious things, depression disorder, social phobia, panic disorder, obsessive-compulsive disorder are extremely few, such features are.

I lived in Nagasaki prefecture for over 50 years, and my association with Goto people from the Goto region was so numerous up to now, and the high school that I attended is a student who was extremely excellent in the Goto area and enters the university. What I had was that many friends from the Goto region were present to my friend, hence it was possible to create this report. There is no report that schizophrenia and similar diseases still occur frequently in the Goto region.

Students who were extremely excellent in the Goto region also experienced mental modulation as they entered the university and knew a lot of things they left school. There are few friends / acquaintances who have graduated from the Goto area and finished their university life without frustration. Many have fallen into schizophrenia or similar diseases.

In case

## 【Case】

(Case 1) Male. Born in A island of a remote island facing Goto Island Nada, I grew up there until graduating from elementary school. Both fathers and mothers are born on that island and brought up on that island. My college friends.

My father is engaged in ocean fishery, the family is wealthy, and I entered a private school of junior high school integrated education from the time of junior high school. Enrolled in the active medical department of N University. However, it will be difficult to progress after entering the school. Although the personality is sociable, there are many problem behaviors such as intentionally injuring a lower-class student at the judo department which entered at the same time as entering, it was a problem person in judo club. The judo department suddenly escape with a futon at night when he is in the summer camp of the third year. It becomes a withdrawal part as it is.

Graduated from medical school for 12 years. After that, I will enter the dormitory of Fukuoka to aim at doctor national exam, but I can not pass the doctor national exam even if it is 6 years, I will perform violent acts in the dormitory, and will be hospitalized for mental hospitals.

Psychiatric hospital measures It will be discharged after 6 years of hospitalization. Currently, I go to a preliminary school in Fukuoka to live with my mother and aim for doctor national exam, and I am going through outpatient medication. Currently receiving Risperidone 7 mg / day medication, but spontaneity decline is intense. It has been more than 20 years since my last contact, but there is no news that the case passed the doctor national exam.

(Case 2) Women. Born on B island of the Goto Islands Island, where it grows until the second grade of middle school there, but the father who was doing the ocean fishery moves to Nagasaki city with joining the ocean freight carrier company. Both fathers and mothers are ancestors of one of the gods of the Goto Islands Islands, both of which are born in the Goto Islands and bred in Goto Islands.

After giving birth to the second daughter, it becomes an acute transient psychotic disorder. My parents do not like hospitalization at mental hospital. I visited our hospital. Risperidone settles at 5 mg / day, but it takes three weeks for delusions, hallucinations and vision to fit.

After that, it is well controlled by administration of Risperidone 2 mg / day.

(Case 3) Women. It is a younger sister who is 2 years younger than that of case 2 who is a 2 sister. Born on B island of the Goto Islands, it grows up to 6th grade of elementary school there.

After giving birth to the first son, it becomes an acute transient psychotic disorder. My parents hate hospitalization at a mental hospital. I visited our hospital. It stabilizes at the administration of Risperidone 5 mg / day, but it takes about two weeks for delusions, hallucinations and vision to fit.

After that, it is well controlled by administration of Risperidone 2 mg / day.

(Case 4) Male. Born on the C Island of the Goto Islands and bred and raised on the Goto Islands. High grades are excellent, high school goes to

prestigious public school in Nagasaki city. A close friend from my high school days.

He also has excellent grades at the prestigious public school in Nagasaki city, and entered the Department of Physics at Kyushu University with outstanding performance with active work. However, I did not attend college classes, I indulge in pachinko which I had been getting into since high school days and make debts of 1.5 million yen. The debts are all borrowed from the loan, parents sell the land of Goto and devote it for repaying the debt.

As most universities are not attending classes, they go to school. After school, I live by doing a clerk at a pachinko parlor.

Started administration of Risperidone 1 mg / day. Again we will receive a common primary test (now called center test). After self-study for 9 months, re-take the common primary exam. I was planning to enter Kyoto University Physics Department, but the result of common primary exam is extremely bad than planned, eventually I entered a certain university number department. After that, I did not take psychiatric drugs, the course was relatively smooth, and I became a high school mathematics teacher.

Even after becoming a high school mathematics teacher, the indulgence to pachinko is strong, and the strong indulgence to pachinko continued until he got married with strong recommendation.

I was diagnosed as "Autism Spectrum" (Asperger's syndrome), but I can talk with people's eyes.

(Case 5) Male. Born in Goto region, raised in Goto region. High school goes to a prestigious public school in Nagasaki city. At least the motor nerve in fighting sports was outstanding, and in high school it was a famous judo player. A close friend from my high school days.

In September of the first year of the university, in the morning, he was hitting the wall of the boarding house, broke the right second to fourth middle phalanges. Also, shortly after the fracture healed, suddenly the consciousness disappears and falls while driving a medium size motorcycle at the extremely low speed in the mountain road. The trauma was light, there was no bruising of the head, I could practice Judo without rest. This sudden loss of consciousness causes a fall in the middle-sized motorcycle twice.

Due to consecutive accidents on motorcycles and mental disorders, we drop out of college around the end of the university year. Because my parents family was very famous in Goto, I got a job at a city office in Goto.

The municipal office was strongly used by the parents of the case and was used very heavily. Personality is very gentle and gentle, there is a desire to gather popularity, hence, several years ago, I was living a quiet life until I got seriously ill.

At the age of 52, I receive e-mails and a three-hour phone call to the author.

Although the content of the phone, there is a daughter and a son, the daughter is employed as a nurse and after a while, schizophrenia develops. My son has not gone to elementary school since about elementary school but only refuses to go fishing from my uncle on Sunday at a complete refusal to go to school (so sumo practice is none). My son is extremely strong in sumo, the best 4 in the elementary school from all elementary school students in sumo wrestling for the third consecutive year (Note; I confirmed it by access but it was true). Despite strongly insisting that I am strongly insisting that "Japan's wrestlers are getting weak at the moment," by the author "I will definitely go into the sumo world." "My son is good at pulling and his skill is skillful and I will advance to Aikido He insisted strongly.

(Currently, about 2 years, there is no contact)

Date and time: August 1, 2016 16: 55 Received mail

Subject: Re: Thank you for the other day.

00, Thank you. (Note: 00 in the text is my author's name)

It is managed alive.

Again, it's okay just because events happening to your scenario are happening.

Until now, things that were points were connected by lines.

It is strange, but now I can see another dimension. This will also be inevitable.

Cleaning inside of himself was brilliant, but it will soon come out. It is clearly understood.

I am the alien who came to raise the wave of the earth in the era of this major change. We will accept it and proceed to that road. There is no other way but to leave it to the universe.

Stray cats settled down, now they keep it. Animals have consciousness and they are really healed.

Thank you. Believe your own light of 00 and enjoy your life.

Take care of religion

Thank you

Date and time: February 9, 2015 1:20 Incoming mail

\* (It took three hours of phone call before this mail)

Subject: Thank you for the other day.

Mr. 00

Thank you for having me correspond in spite of a sudden contact the other day.

00 was also struggling a lot. But now that hardship has brought fruit and caught a stable happiness.

I think that there are a lot of hardships when there are still a lot now, but if you trust yourself absolutely.

This is a story you do not have to believe,

While suddenly starting with a 42-degree fever, a severe headache, experiencing hospitalization and departure and spending an irresponsible period of time, there was a shocking awareness during the interview that wished for social reintegration, the incident was inevitable I noticed what is happening. Immediately after that I experienced a wonderfully harmonious universe whose consciousness could not express in words. It is commonplace to say Oneness experience.

I think that the earth is rising in dimension now.

I think that the New Earth will be a wonderful utopia harmonized without fighting, but now seems to have been required to have experience like that in the transition period, true reverse.

It is only 00 that my classmates will understand such a story at all.

I do not know exactly what happens to the previous thing.

However, no matter what happens, it is okay to trust yourself in nature and to live by enjoying good and bad things.

00 Please enjoy your life to the utmost.

One day please come fishing to Goto.

I appreciate having a friend with a reliable friend.

Thank you very much. I will contact you again.

\* (Name of case principal)

## 【Discussion】

The reason for the frequent occurrence of schizophrenia and similar diseases in the Goto region is probably because that is the frequent occurrence of ATLVI (adult T-cell leukemia virus). And ATLVI, a retrovirus, is said to be able to insert genes as a vector only in dividing cells in vitro<sup>17</sup>).

There are Okinawa Islands in Okinawa Islands, Okinawa, Kagoshima, Kyushu, Nagasaki Nagasaki in Gotoshima Noda island coast, Goto Island Islands, some coasts of Shikoku, Oki, Kii peninsula tip, Asuka Asuka, Oshika Peninsula, Sanriku coast, and Hokkaido There is a very concentrated distribution area of ATLVI called Ainu person. Considering this rich zone of distribution of ATLVI, ATLVI seems to have come on the Kuroshio 2 ~ 7).

Regular Japanese infection rates of ATLVI are 0.5 to 1.2%, while Ainu people are high rates of 45.2% and Ryukyus people 33.9%<sup>17</sup>). In case The reason why there is no report that schizophrenia and similar diseases are occurring frequently in other areas except for the Goto area is considered to be due to the absence of genes causing such mental illness in those areas .

What is the gene carried by? Do you rely on insects peculiar to the Goto region? In case

Also worldwide, ATLVI has a region-specific distribution in the Caribbean coast, the southwestern part of Japan and New Guinea region and part of the United States, almost the entire Caribbean, in the Ainu people in Japan, northern South America, and especially in Africa It is showing<sup>17</sup>).

There is no theory that can fully explain this distribution. Moreover, there are no reports that these areas are still frequent areas of psychiatric disorders such as schizophrenia.

There are things called Akorobokkuru legend in Ainu people. It means small people who came from the south by taking a ship. The Ainu people loved the people of this colognekkur. The Ainu man was not a barbarian nation. Because he was a very mild ethnic group, he was pursued north to the nation who came from Korea which built Yamato Imperial Court despite being big. Colobocle was similar in color and appearance to the Japanese. Colobocle was assimilated with the Ainu 2 ~ 7).

The same happened in the Goto Islands, Okinawa, Kagoshima and so on. The possibility of this Colloqueck which came in the Kuroshio was brought in ATLV is high. They came from Central America, Inca Empire 2 ~ 7). There are books that preach that there are many people who came aboard the ocean current from Latin America in 2 ~ 7). Latin America is the endemic area of ATLV. And as the place where the ocean current flows from Latin America, the probability is high in the Goto region similarly to other ATLV concentrated distribution areas 17). Central Africa, Central America, and Japan are the only countries with high ATLV ownership rates, and ATLV ownership rates of people living in the Eurasian Continent, including Chinese and Koreans, are extremely low 17).

That is, those who flowed from Latin America to the west to the west on the ocean current make it easy to cause mental disorders such as schizophrenia (and it is possible that it is an unknown virus, and mad cow The same mechanism as disease can be considered). And I could drift on the Goto area and indirectly there, I thought that he made factors in the mental disorder in that area.

It seems that mental schizophrenia may occur due to various reasons and that schizophrenia in the Goto region may be caused by a different factor from schizophrenia in other regions.

### 【Finally】

It seems likely that there was a region where Latin America had extremely frequent schizophrenia and similar diseases. And it can be thought that the area is now disappearing.

Drifting people from areas where Latin America 's schizophrenia and similar diseases frequently occurred flowed to the Goto region and mixed with people in the Goto region, and schizophrenia in the current Goto region and similar It can also be thought that he made many factors of disease occurrence.

Since schizophrenia and similar diseases in this Goto region are somewhat unique, they are presumed to be somewhat different from genes of general schizophrenia.

And there is ALS (amyotrophic lateral sclerosis) as having an interesting distribution similar to ATLV.

ALS is unknown and does not usually show heredity, its onset is wide from 20 to 60 years of age and affects men to a somewhat greater

extent. The course is always progressive and many die within three years. Sometimes it shows a long course. Beginning with muscle weakness and muscle atrophy of the left or right asymmetric upper limbs or lower limbs, the distal muscle is affected more than the proximal muscle, but in some cases it begins from the proximal muscle. Typical ones start with atrophy of the limb hands. Also, you can see dysarthria and dysphagia. Tongue atrophies and spasms are seen. Sometimes facial muscles are injured. Mastication is difficult with masseter muscle atrophy 1).

There are three types of ALS: Arcogenic ALS, Familial ALS, and Guam Island ALS. Arcogenic ALS is common. It seems that clinical symptoms are similar in these three, although they are similar 1). (The age of onset, clinical symptoms and clinical course are slightly different.)

ALS is distributed worldwide. The prevalence rate per 100,000 population in 20 cities in Japan and the West and the United States is 2 to 6, and relatively constant values are obtained regardless of the region. However, there are areas where it is very densely distributed. That is the Japanese Kii peninsula (which is also a rich distribution zone of ATL V), and it is the Chamorro family of Guam 1).

---- There are areas with particularly high prevalence in the Kii Peninsula, Mie Prefecture Seami Town (33.3), Nankai Town (9.8), Minamishi Town (152.7), Wakayama Prefecture Kozatagawa Town (73.9) There are 1). --

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## Conclusion

We believe that at least in the Goto region, some genes are inserted by ATL V, and therefore it is highly likely that schizophrenia and similar diseases are frequent. In other regions, there is a vector called ATL V but it seems that there is not any gene to be inserted (although the frequency of schizophrenia such as Okinawa Prefecture and Ainu people is high There is no report).

I also think the possibility of the existence of the fourth retrovirus. I believe that the possibility of the fourth retrovirus is high.

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\* Schizophrenia and similar disease are frequent occurrence zone: Study in Goto area

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【研究と報告】

統合失調症多発地帯：五島地方の研究＊

高見敏郎＊＊

【抄録】

日本の最西端、長崎県に属する五島列島および五島灘に面する長崎西端の島々は、統合失調症の多発地帯である。それは筆者の経験上、全国平均の10倍に及ぶと推定される。それが何故なのか、島という閉ざされた特殊な世界であるからという意見も有る。しかし日本全国の島々が精神疾患の多発地帯であるという報告は未だ無い。また彼らは出身地、すなわち彼ら自身、または彼らの親、または彼らの祖父母、または彼らの曾祖父母など彼らの先祖の生まれた処が五島であるというのみであり、五島で生活しているわけではない。

何かのウイルス、スピロヘータ、または他の何かが関与しているとも考えられる。しかし五島列島および五島灘に面する長崎西端の島々はレトロウイルスであるATLV(adult T-cell leukemia virus)の非常に蔓延している地方である。しかし日本には五島列島および五島灘に面する長崎西端の島々のようにATLV(adult T-cell leukemia virus)が高い割合で蔓延している地方は他にも複数存在する。それらの地方に統合失調症が多発しているという報告は存在しない。

五島列島および五島灘に面する長崎西端の島々にはレトロウイルスにより遺伝子に挿入される統合失調症を好発させる遺伝子が多く存在していると考えざるを得ない。

【key words】 gotou insula, schizophrenia, adult T-cell leukemia virus, vector

【はじめに】

五島列島・長崎の五島灘に面する離島（以降、正確ではないが“五島地方”とする）出身者の精神的疾患の特色として、統合失調症が大多数を占めること、うつ病性障害は極めて少ないこと、その不安障害は心因反応と診断される頻度が極めて多いほど重篤なこと、その不安障害は重篤であるが治癒が早いこと、その不安障害は心因反応との鑑別が極めて困難なこと、社会恐怖・恐慌性障害・強迫性障害は極めて少なく単純な不安障害であること、このような特色がある。

筆者は長崎市に30年余り在住しており、五島地方出身者との交際が現在まで非常に多かったこと、福岡県の前原市の病院に勤務してからも五島地方出身者の主治医となることが非常に多かったこと、筆者の通った高校は五島地方で極めて優秀だった学生が入学してくるところであったこと、筆者の友人に五島地方出身者が多数存在すること、それ故にこの報告を作成することが可能となった。未だ、五島地方に統合失調症など精神的疾患が多発するという報告は見当たらない。

五島地方で極めて優秀だった学生も、大学入学とともに精神的に変調を来し、放校になったものを多数直接に知っている。五島地方出身者で挫折無く大学生活を終えた友人・知人を知らない。ほとんど全てが精神的に変調を来した。五島地方出身者には幼少期に於いてウイルスか何かの感染があるのではないかと疑っていた。

### 【症例】

(症例1) 男性。五島灘に面する離島の00島にて出生し、そこで小学校卒業まで育つ。父親も母親もその島にて出生しその島で育つ。

父親は遠洋漁業を行っており、家庭は裕福であり、中学時より中学高校一貫教育の私立の学校へ入学。現役でN大学医学部へ入学。しかし入学後、進級困難となる。性格は社交的であるが、入学と同時に入部した柔道部で下級生を故意に怪我させるなど問題行動が多数有り、柔道部の問題人物であった。柔道部は3年目の夏の合宿のとき、夜、突然、布団を持って脱出する。そのまま退部となる。

医学部を12年懸かって卒業。その後、医師国家試験を目指すための福岡の寮に入るが、6年懸かっても医師国家試験に合格できず、寮にて暴力行為を行い、精神病院措置入院となる。

精神病院措置入院6年を経て退院となる。現在、母親と同居し、医師国家試験を目指すための福岡の予備校に通いながら、通院薬物療法を行っている。現在、**Risperidone 7 mg/日**の投薬を受けているが、自発性減退が激しい。

(症例2) 女性。五島列島の00島にて出生し、そこで中学2年まで育つが、遠洋漁業を行っていた父親が遠洋貨物運搬船会社に入社とともに福岡に移り住む。父親も母親も先祖が五島列島の名家の一つであり、ともに五島列島にて出生し五島列島で育つ。

次女出産後、急性精神病状態となる。両親が精神病院入院を嫌うため本院入院。**Risperidone 5 mg/日**の投与にて落ち着くが、妄想・幻聴・幻視などが収まるのに3週間懸かる。

4週間後、退院。その後は**Risperidone 2 mg/日**の投与にて良好にコントロールされている。

(症例3) 女性。2人姉妹である症例2の2歳年下の妹である。五島列島の00島にて出生し、そこで小学6年まで育つ。

長男出産後、急性精神病状態となる。両親が精神病院入院を嫌うため本院入院。**Risperidone 5 mg/日**の投与にて落ち着くが、妄想・幻聴・幻視などが収まるのに2週間ほど懸かる。

3週間後、退院。その後は**Risperidone 2 mg/日**の投与にて良好にコントロールされている。

(症例4) 男性。五島列島の00島にて出生し五島列島にて育つ。成績優秀であり、高校は長崎市の名門公立学校へ進学する。その長崎市の名門公立学校でも成績優秀であり、現役で優秀な成績で九州大学物理学科へ入学。しかし大学の授業には出席せず、高校時代から凝っていたパチンコにのめり込み、150万円の借金を作る。その借金はすべて高利貸しからの借金であり、両親が五島の土地を売りその借金返済に充てる。

大学はほとんど授業に出席していないため放校となる。放校後、パチンコ店の店員をするなどして生活する。両親が脳に腫瘍が出来たのではないかと疑い、本院へ連れてくる。

頭部CT上、特記すべき所見なし。**Risperidone 4 mg/日**の投与を開始。両親の説得により、再び共通一次試験を受けることになる。9ヶ月間の独学の後、共通一次試験を再受験。京都大学の工学部か物理学科へ行く予定だと言っていたが、共通一次試験の結果は予定より極めて悪く、結局00大学数学科へ入学。その後、精神科の薬物は服用せず、1年経過しているが、経過は順調であると連絡有り。

(症例5) 男性。症例1の柔道部の後輩。症例1と同じく五島灘に面する離島の00島にて出生し育つ。大学入学と同時に症例1より無理矢理に柔道部へ入部させられる。入部当初、症例1より立ち技の練習にて膝の靭帯を切られたりなど症例1よりかなり過酷な扱いを受けている。

大学1年の9月、朝、下宿の壁を叩いていて、右第二から第四中節骨を骨折。また、その骨折が治癒して間もなく、山道にて極く低速で中型バイクを運転中、突然、意識を消失し転倒する。外傷は軽く、頭部打撲も無く、柔道の練習も休まず行えた。この意識消失のバイクにての転倒が2回続く。

授業へはほとんど出席して居らず、進級できず、そのまま退学し、福岡の両親の知人の元へ就職。

人が良く、症例1を少しも恨んで居らず、却って非常に慕っている。福岡へ就職当時より精神的に異常なところがあると症例1より伴われて本院受診。妄想・幻聴有り。幻覚は否定。**Risperidone 4 mg/日**の投与を開始。妄想・幻聴は軽減する。両親の非常に親しい知人の元で働いており、また性格は非常に温厚であるため解雇にはなっていないが、仕事上、失敗が目立つ。

## 【考察】

五島地方に統合失調症など精神疾患が多発する理由は第一にそこが **ATLV(adult T-cell leukemia virus)** の多発地帯であることであることをまず考える。そしてレトロウイルスである **ATLV** は **in vitro** のとき、分裂している細胞にのみベクターとして遺伝子を挿入することができる（とされている 1)）。

日本には沖縄諸島、九州の宮崎・鹿児島・長崎の五島灘に面する離島海岸、五島列島、四国の一部の海岸、隠岐、紀伊半島先端、東北の飛鳥、牡鹿半島、三陸海岸、そして北海道のアイヌ人という **ATLV** の非常に濃厚に分布している地域がある。この **ATLV** の分布の濃厚な地帯を考えると **ATLV** は黒潮に乗ってやってきた、と思われる。

通常の日本人の **ATLV** の感染率は 0.5～1.2% であるのに対し、アイヌ人は 45.2%，琉球人は 33.9% という高率である 6)。

五島列島・長崎の五島灘に面する離島を除き、その他の地域に統合失調症など精神的疾患が多発しているという報告が存在しない理由は、それらの地域に精神的疾患を発病させる遺伝子が存在しない故と考えられる。

その遺伝子は何に依って運ばれているのか？ 五島地方特有の昆虫類に依るのか？

また世界的に見て **ATLV** はカリブ海沿岸と日本の南西地方およびニューギニア地方および米国の一部、カリブ諸島のほぼ全域、日本のアイヌ人、南アメリカ北部、そして特にアフリカに地域特異的な分布を示している 4)。この分布について未だ充分に説明のできる説は出ていない。しかも未だそれらの地域が統合失調症など精神疾患の多発地帯であるという報告は存在しない。

アイヌ人にはコロボックル伝説というものがある。船に乗って南の国からやって来た小さな人々という意味である。アイヌ人はこのコロボックルの人たちを可愛がった。アイヌ人は野蛮な民族ではなかった。野蛮でなかったから体が大きかったにも拘わらず大和朝廷を造った朝鮮から渡ってきた民族に北へ北へと追い遣られた。コロボックルは日本人と同じような肌の色、そして容貌をしていた。コロボックルはアイヌ人と同化していった。

同じようなことが五島列島、沖縄、鹿児島などで起こった。**ATLV** を運んできたのは黒潮に乗って来たこのコロボックルだった。彼らは中央アメリカ、インカ帝国からやって来た。

日本には中南米より海流に乗って来た人々が存在すると説く書籍が存在する 6)。中南米とは **ATLV** の流行地である。そして中南米よりの海流の流れ着く場所として、五島地方は他の **ATLV** の濃厚に分布している地域と同じように確率が高い 6)。**ATLV** の保有率の高いのは中央アフリカ、中央アメリカ、そして日本だけであり、中国人も朝鮮人も含めてユーラシア大陸に住んでいる人々の **ATLV** の保有率は極めて低い 7)。

すなわち中南米から海流に乗って西へ西へと流れていった人々が統合失調症など精神的疾患を非常に発生させやすくする遺伝子（そしてそれは未知のウイルスの可

能性もあり得る。また、狂牛病と同じメカニズムも考えられる。)を持っていた。そして五島地方に漂着し、そこに土着してゆき、その地域の統合失調症など精神的疾患多発の要因を作った、と考えることができる。

五島地方は大陸からの黄砂に襲われることがしばしば有る。大陸からの黄砂とともに、統合失調症など精神的疾患を非常に発生させやすくする遺伝子が運ばれて来、ATLVの存在と重なり、この現象が起こっているとも考えられる。また、黄砂とともに統合失調症など精神的疾患を非常に発生させやすくする遺伝子を持ったウイルスあるいはウイルスに類する何か運ばれて来、そしてATLVの存在と重なり、この現象が起こっている可能性も考えられる。しかし朝鮮半島・中国大陸にはATLVはほとんど存在しないことは疫学上、証明されている。

ATLVはアイヌ人に依ると考えるのが妥当と思われる。コロボックル伝説がアイヌ人にATLVが非常に濃密に分布している理由と考えるのが妥当と思われる。

精神統合失調症を代表とする精神的疾患は様々な理由より起こり、五島地方の精神的疾患は他の地方の精神的疾患とは異なる要因により起こっていると考えられるのが妥当と思われる。

#### 【最後に】

中南米に統合失調症など精神的疾患が極めて多発していた地域が存在していた可能性は高いと考えられる。そしてその地域は現在、消失していると考えられることができる。

その中南米の統合失調症など精神的疾患が多発していた地域からの漂流民が五島地方に流れ着き、そして五島地方土着の人々と混合して行き、現在の五島地方の統合失調症など精神的疾患多発の要因を造ったと考えることができる。

この五島地方の精神的疾患は特殊性を有しているため、一般の精神的疾患の遺伝子とは多少異なると推測する。

そしてATLVに似た面白い分布をしているものとしてALS (amyotrophic lateral sclerosis)がある。

ALSは原因不明で通常遺伝性を示さず発症は20～60歳代と広く、男子にやや多く罹患する。経過は常に進行性で3年以内に多くは死亡する。ときにより長い経過を示すものもある。左右非対称性の上肢または下肢の筋力低下と筋萎縮で始まり、近位筋より遠位筋が先に侵されるが、稀には近位筋より始まるものもある。典型的なものでは、上肢の手の筋の萎縮から始まる。また、構音障害、嚥下障害が見られる。舌は萎縮し、攣縮が見られる。顔面筋が傷害されることもある。また咬筋の萎縮で咀嚼が困難となる。

ALSは弧発性ALS、家族性ALS、グアム島のALSと3つのタイプがある。一般的なのが弧発性ALSである。この3つは臨床症状こそ似てはいるが異なるものであろうと思われる。(発症年令、臨床症状および臨床経過ともに少し異なる。)

ALSは世界的に分布している。日本と欧米の20余都市での人口10万人当りの有病率は2～6であり、地域を問わず比較的一定した値が得られている。しかし、それが非常に濃く分布している地域がある。それが日本の紀伊半島（ここはATLVの濃厚な分布地帯でもある）である。そしてグアム島のチャモロー族である。

----紀伊半島でもとくに有病率の高い地域があり、三重県海山町（33.3）、南海町（9.8）、南勢町（152.7）、和歌山県古座川町（73.9）などがある。----

### 【結語】

少なくとも五島地方に於いてはATLにより何かの遺伝子が挿入されそのために統合失調症が多発している可能性は高いと信じる。他の地方に於いてはATLというベクターは存在するが挿入されるその何かの遺伝子が存在していないものと思われる。（しかし沖縄県やアイヌ人などの統合失調症の発生頻度はまだ調べていない。）

また第4のレトロウイルスの存在の可能性を自分は考えている。その第4のレトロウイルスの存在の可能性は高いと信じている。

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\*Mental illness frequent area: Study of Goto area

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