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Brain electrical activity manifestation in orthodox christian patients diuring praying (Tbilisi, Georgia)

That in praying people (monks,priests) depression of α rhythm is revealed well(regeneration is performed fast). B rhythm doesn't disappear 20%.In pagans (29%)-amplitude of α rhythm was highest in 28%-were densed,high amplitude waves egzaltatic and desorganised, in 21% depression of α rhythm is revealed badly, in 27% β was disappeared.Also there were known that in 39 patients were revealed slow waves in 41 -some spiky pattern appeared in 17- fast waveform dirhythmia.CT- in 22 patients there were atrophy in cortex in 7 patients Leikoencephalopathia.The Aim of research:Orthodox praying has influence on bioelectrical activity of cortex and has correlation with vegeto nervous system

Key words: Brain, electrical activity,orthodox praying people, dritical condition

Actuality: Brain electrical activity-EEG(electroencephalographia) and its manifestation in orthodox praying people (in Georgian monks, congregation and priests).

It's necessary to purify our mind, because I believe if it's pure from all side and if we found our natural position, we can be anticipators and see far ell and more well than demons do and have the right to declare god in ourselves"- Anton the great. (2)Orthodox living generally includes treating of soul and mind, relax and free them from outside irritation, does not let anyone to act on subconscious, deepness of soul where the kind thoughts can be fixed. everything is received by praying. Only orthodox praying directs mind to the heart e.g. to energy. (3)After treating of mind, body also can be treated .A lot of diseases are developed from nervous irritation and are connected with mindleisure. But the main is that the body is off from passion mind is diving In divine view and make body keep itself in purity, keeps it from so-called body passion.The principle of relationship with spirited and medical sphere is just that we must attack not against the symptoms of diseases but against the causes of disorder.(1)Brain is material base of mind. Speech and mind are the highest functioning of brain cortex. A person differs from an animal just with speech and mind.Itself cortex in human body is a controlling organ for all biological processes.Central nervous system is adapter system which performs organism adaptation to environment.In 1845 vegetative-nervous system was called "Vegetative parquet" where dancing diseases fall down easily because it's polished well. (4)It's know from literature that monks were examined. Their EEG was examined in time of praying.it was like EEG of deep sleep.Also it's know that saints were treated very surprisingly. It can be explained by participation of vegeto-nervous system.In 160, in Doporo monastery the monk,taking care of virgin,Fasthearing, became blind but after bright praying for the Fasthearing Virgin Icon, he was treated.He could see again successfully.(3)Just to learn treating power of praying we decided to study EEG and vegeto-nervous parameters.

to study brain functions especially cortex functions and to identify its action with parametres of vegeto nervous system gives the possibility to explain pathological precesses in organism,it's easy to understand facts which were not known till today.

Matherial and Methods: all patienctns had been made EEG researches, also had been experienced V.N.S., had done eye experimental research,other blood vessal parametres(blood pressure,pulse, CT in 56%)

We studied 49 patients,age of whom were proximately 15-75 years.

In common group there were monks, priests, praying people-49 patients.

Target group – Christian pagans -15 patients. 53.3% EEG-N. 26.6% slow wave dysrhythmia. In 39(78.88%) patients – slow and highamplitude waves, spiky waves in 19(38.8%) patients-slow wave polydisrhythmia. According to vegeto nervous system in monks – vagotonia-4%. N-96% hypermast. After praying there were not important changes in monks. Parametres of Vegeto-nervous system was in norm (96%).

29 patients (second group) 71.5% was Hypersimpaticotonia.

Results and Discusion: Our research shows that in praying people (monks, priests) depression of α rhythm is revealed well (regeneration is performed fast). B rhythm doesn't disappear 20%.

In pagans (29 patient)-In 25 patients amplitude of α rhythm was highest in 28 patient -were densed, high amplitude waves egzaltatic and desorganised, in 21 patient depression of α rhythm is revealed badly, in 27 patient β was disappeared.

Also there were known that in 39 patients slow waves were revealed in 41 -some spiky pattern appeared in 17- fast waveform disrhythmia.

CT- in 22 patients there were atrophy in cortex in 7 patients Leikoencephalopathia.

Electroencephalograph rhythms	Monks n=20	Pilgrims n=29	Controlled group n=15	Practically healthy n=5
The amplitude of the alpha rhythm mkv-in.	5.9±0.5 p>0.05	8.5±0.4 9.1±0.3 P<0.04	5.0±0.1 p>0.05	6.0±0.4
The amplitude of the alpha rhythm After the prayer	9.1±0.3 p>0.05	9.2±0.4 p<0.001 8.7±0.3 p<0.01	Yang 7.2±0.1 p<0.01 Elderly 9.1±0.2 p<0.001	7.9±0.4
Theta rhythm	25.1±0.4 P<0.001	33.5±0.6 P<0.001	31.0±0.6 P<0.001	

Vegetative parameters	Monks n=20	Pilgrims n=29	Controlled group n=15	Practically healthy n=5
Systolic blood pressure	142.3±10.8 P<0.01	152.7±12.7 P<0.01	149.3±8.5 P<0.001	125.0±3.0
Diastolic blood pressure	80.0±7.8 p>0.05	82.5±7.5 p>0.05	78.1±6.9 p>0.05	81.0±1.0
Heart Rate Contractions Frequency	93.2±8.2 P<0.01	89.4±7.4 P<0.01	90.3±6.9 P<0.001	76.0±4.0
Kerdo index	14.16	7.72	6.44	-6.58
QVm index	1.39	1.43	1.57	1.00

Conclusion:

that in praying people (monks, priests) depression of α rhythm is revealed well (regeneration is performed fast). B rhythm doesn't disappear 20%. In pagans (29%) amplitude of α rhythm was highest in 28% - were densed, high amplitude waves egzaltatic and desorganised, in 21% depression of α rhythm is revealed badly, in 27% β was disappeared. Also there were known that in 39 patients were revealed slow waves in 41 - some spiky pattern appeared in 17 - fast waveform disrhythmia. CT - in 22 patients there were atrophy in cortex in 7 patients Leikoencephalopathia. The Aim of research: Orthodox praying has influence on bioelectrical activity of cortex and has correlation with vegeto nervous system

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ლოცვისას აღმოცენებული თავის ტვინის ელექტრული აქტივობის მანიფესტირება მართმადიდებელ ქრისტიან პაციენტებს შორის

შესწავლილია ლოცვის ზეგავლენა მართმადიდებელ ავადმყოფთა თავის ტვინის ელექტრულ აქტივობაზე. ამ მიზნით 64 ქრონიკული ცერებრო-ვასკულური პათოლოგიის მქონე ავადმყოფში გამოკვლეული იყო თავის ტვინის ელექტროენცეფალოგრაფიული სურათი და ვეგეტატიური ნერვული სისტემის პარამეტრები. მათ შორის 20 პიროვნება წარმოდგენილი იყო მღვდლების და ბერების, 29 პიროვნება ქრისტიანული რელიგიის წესების რეგულარულად დამცველი რიგითი მლოცველების, ხოლო 15 ავადმყოფი ქრისტიანიული რელიგიის წესების არარეგულარულად შემსრულებელი პიროვნებების სახით. რელიგიურ მოღვაწეებში ლოცვის შემდეგ თავის ტვინის ელექტრული აქტივობის პოზიტიური ცვლილებები ვლინდებოდა ყველა შემთხვევაში. ასეთივე ტენდენცია შეიმჩნეოდა ვეგეტატიური ნერვული სისტემის პარამეტრების მხრივ. რეგულარულად მლოცველ რიგით პიროვნებებში ლოცვის შემდეგ თავის ტვინის ელექტრული აქტივობის პოზიტიური ცვლილებები აღინიშნებოდა 65.7%-ში. არარეგულარულად მლოცველ ავადმყოფებში კი ამ თვალსაზრისით მნიშვნელოვანი ცვლილებებს ადგილი არ ჰქონია.