

Society | **Science, Technology, Internet**

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The lie detector will reveal the truth ... in the eyes

Comments: 2

A new polygraph technique was brought to Ukraine, where bias and bribery are eliminated.

Of course, you are familiar with the saying: "Well, look into my eyes ...". And after all, the truth from the look of a person sometimes recognizes a lie, obeying some sixth sense. And if you look into the eyes of an impassive computer program, what will it be guided by? Mathematics, and again mathematics, which definitely cannot be fooled. At least, so say the developers of the original polygraph technology, which is a novelty for Ukraine. An expert polygraph examiner from America Darryl Bullens, whom we met in Kiev at a corporate security conference, spoke about its features with KP in Ukraine.

There is no middle ground



Darryl emphasizes that Ukraine is the first Eastern European country to be introduced to EyeDetect (English can be translated as "eye detection"). When asked how the choice was made, he answers unexpectedly:

- Ukraine is the center of Europe, and you have Odessa. And I really love the sea!

It seems that the expert was silent about the fact that recently the popularity of the polygraph in Ukraine has increased significantly. A little corruption scandal - the perpetrator of the commotion breaks into a lie detector. Deputies with a polygraph were even shown live - in postings, sensors, suction cups.

EyeDetect is fundamentally different from the device that we used to see in the movies. Of the special effects, there is only a chin stand.

Polygraph expert from America Darryl Bullens. Everything else - a station with software, a high-resolution camera and a computer - looks everyday. The test subject with headphones (so that extraneous noise is not distracting) reads questions on the monitor and selects the answer: "true" or "false". There is no middle ground.

"The questions are the same as on a regular detector, or," says Darryl. - When it comes to corruption, a person is asked whether he took bribes, whether he received benefits from his position, extorted gifts, and so on.

Cheating takes effort

While the subject chooses one of two, the smart program records more than 100 (!) Changes in eye behavior per second. From the understandable to the ordinary mind - this is the nature of blinking, changes in the diameter of the pupil, the movement of the eyeball. The result is calculated by a complex mathematical formula, which is called the logistic regression equation.

But there is a simpler explanation: a lie requires a strong thought process, which our eyes give out, but the truth is said easily, without tension.

"If a conventional detector can give an uncertain result, then an eye test gives a definite answer: yes or no," says Darryl Bullens.

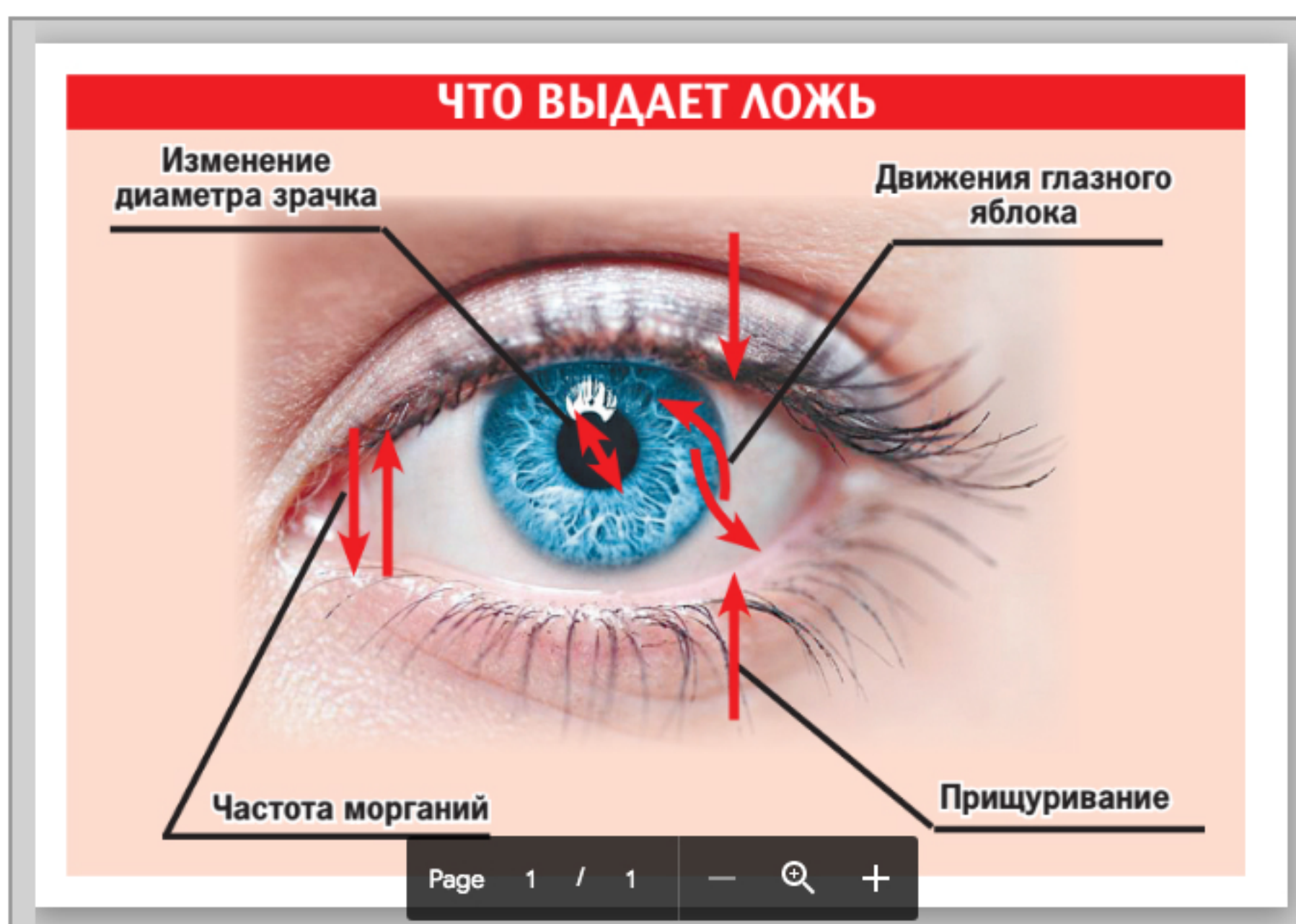
Doesn't take carrots

Between representatives of professions, who are more often than others dealing with lie detectors, and polygraph examiners, disputes constantly arise: can a car be fooled or not. Of the tricks recommended by the "experienced" ones - fantasies about sex, biting the cheeks, an elephant serving of coffee, in a word, everything that makes the pulse quicken. What to do with eyes? The simplest answer is to fill in. Either from the inside with alcohol, or from the outside with a tool that changes the size of the pupil.

"It will not work," Ligia Bauer, a polygraph examiner from Kiev, who is already testing new technology in practice, is connecting to our conversation. - The program recognizes unnatural eye behavior and refuses to conduct tests. For this reason, working with EyeDetect is contraindicated in people with eye diseases.

If tests on a regular polygraph require up to two hours, then EyeDetect will expose a person with deception in a maximum of 15-30 minutes.

And one more point that our politicians are eager for the truth will not like: the tester is not able to influence the result. A person can be persuaded, bribed, and the program - it does not take any human corruption.



IMPORTANT!

- Lie detectors are outside the legal field of Ukraine, but can be used as an additional tool in the search for truth or in the interests of corporate security.
- A polygraph test does not allow to accuse or acquit a person. However, in criminal cases it can give a new direction to the investigation or it will be taken into account by the court in a complex of other evidence.
- The code of labor laws does not provide for the passage of a polygraph when applying for a job or recertification. But if the employer makes this clause in the employment contract, and the contractor signs it, refusal of the tests may cause dismissal.