

People in the Modern Era Have Tired Eyes

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The term VDT refers to a type of equipment for visual display, such as computer screens. In the current modern era, VDTs have spread in workplaces, homes, and children' s play areas, and this dissemination can be described as a major event for human eyes.

VDT: Visual Display Terminal

Consult an ophthalmologist for guidance on protecting your important eyes.

What is VDT Syndrome?

A large amount of VDTs exist around us, including personal computers, mobile terminals, game devices, and portable game displays!



Currently, the incidence of a new disease called VDT syndrome is increasing.

VDT syndrome, also known as IT ophthalmopathy, is a disease that affects our eyes, body, and mind as a consequence of prolonged work using VDTs.

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IT: Information Technology

Symptoms such as stiff shoulders and pain, and dullness in the neck to shoulders and arms are often observed, and may progress to a wide variety of chronic symptoms, including back pain and manual digital numbness.



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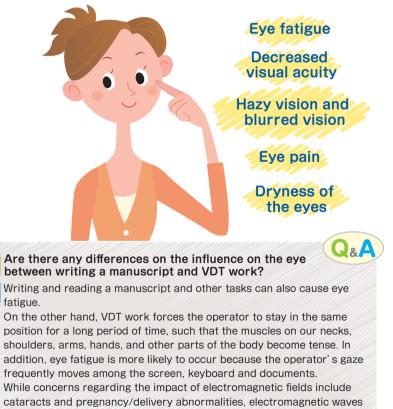
VDT syndrome may induce irritation and anxiety, even causing depression.

What are the ocular symptoms of VDT syndrome?

The major symptom is eye fatigue due to stress from accommodative function or exercise. In severe cases, pathologic eye fatigue (eye strain) is observed, which cannot easily be relieved by resting the eyes. In addition, the progression of dry eyes can lead to conjunctival hyperemia.

Ocular

Symptoms



from VDTs are reportedly nearly unproblematic at low levels.

Eye-friendly Measures for Office Workers

While doing VDT work, bear in mind the following five key points:



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Use eyeglasses and contact lenses that are at a suitable strength.

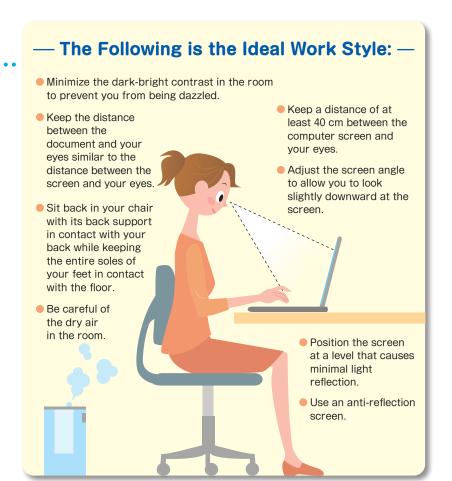


Patients with dry eyes or glaucoma

Pay attention to avoid excessive VDT work because it can worsen your disease.

Early consultation

If you feel anything unusual in your eyes, see an ophthalmologist as soon as possible.



Source: MHLW Guidelines for the Occupational Health Management of VDT Workers

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• What treatments are administered at the ophthalmologic clinic?

VDT syndrome is treated with eye drops that mitigate eye fatigue and moisten eyes and/or oral medications that lessen the tension of the body and eyes.

In some cases, suitable eyeglasses or contact lenses may be used to correct visual acuity, or eyeglasses may be prescribed for VDT work.

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Currently, most children play games using not only televisions and portable game displays, but also personal computers and mobile terminals. Prolonged game play may cause symptoms, such as severe eye fatigue, stiff shoulders, and headache. Problematic effects on the eye that have recently become common topics include the following:

Development of myopia (shortsightedness)

Playing a game on VDTs for a long period of time every day reportedly increases the likelihood of causing the player to become shortsighted.

Epilepsy

Mass media has recently reported very rare cases of epilepsy attacks due to excessive game play among people predisposed to photosensitive epilepsy; however, the data is preliminary and much remains unclear.

Games on VDTs will no longer be enjoyable if your eyes are affected. Play smartly and ensure due care for your eyes.

Anti-VDT-Syndrome Measures to Protect the Eyes of Children

Playing a Game on a VDT for a Long Period of Time Should be Prohibited!

While playing a computer game may be continued for 30 minutes or less, the playing time should be limited to a maximum of 1 hour.



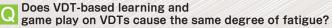
Let Your Children Play Vigorously Outdoors.

Playing outdoors lessens the physical tension of children, thus mitigating their ocular symptoms.





It is also important for your children to consume diets with good nutritional balance and to not have likes and dislikes with food.



As VDT-based learning displays have recently been developed, the anticipation is that VDT-based learning will become more common in the future. VDT-based learning, similar to games on VDTs, sometimes requires the learner to quickly move his or her fingertips, hands, and arms and make instantaneous decisions, resulting in an increased ocular burden.

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To prevent VDT syndrome, habitually perform preventive and other measures to protect your important eyes. If you experience any abnormalities in your eyes while performing relevant work, don't hesitate to see an ophthalmologist.

