

## Possibilities of Ultrasonography in the Diagnosis Dirofilariasis of Upper Eyelid (The Clinical Observation)

E. G. Privalova<sup>1</sup>, D. V. Davydov<sup>2</sup>, D. A. Lezhnev<sup>1</sup>, Yu. N. Vasil'eva<sup>1</sup>

<sup>1</sup> Moscow State University of Medicine and Dentistry named after A. I. Evdokimov, Ministry of Healthcare of Russia, Department of Radiology

<sup>2</sup> Moscow State University of Medicine and Dentistry named after A. I. Evdokimov, Ministry of Healthcare of Russia, Department of Maxillofacial Prosthetic

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### Abstract

Article presents an example of a rare helminthic infestation – dirofilariasis. The patient complained of swelling of the upper eyelid, slowly increases in volume, as well as periodic itching and pain. The patient outside the Russian Federation never left. A ray examination using multislice computed tomography and ultrasonography area of interest. Multislice computed tomography allowed us to estimate the localization of formation its dimensions and density characteristics. However to give accurate information about the character of the pathological process failed. Ultrasound examination allowed to fully visualize helminthic invasion, as well as to evaluate its location and size, while scanning we note the active motion of the helminth. Considering clinical and X-ray examination, it was decided to hold a surgery followed by its identification in the parasitological laboratory. According to the study helminth was identified as *Dirofilaria repens*. Analyzing this clinical case, it is worth noting that ultrasonography should be performed in all patients with suspected dirofilariasis soft tissue and subcutaneous fat.

**Key words:** Ultrasonography, Computed Tomography, Dirofilariasis, Helminthosis.

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## Authors

**Privalova Ekaterina Gennad'evna**, Ph. D. Med., Assistant Professor of Department of Radiology, Moscow State Medical University of Medicine and Dentistry named after A. I. Evdokimov, Ministry of Healthcare of Russia.  
Address: Vucheticha ul., 9a, Moscow, 127206, Russia.  
Phone number: +7 (495) 611-01-77. E-mail: e-privalova@mail.ru

**Davydov Dmitriy Viktorovich**, M. D. Med., Professor of Department of Maxillofacial Prosthetics, Moscow State Medical University of Medicine and Dentistry named after A. I. Evdokimov, Ministry of Healthcare of Russia.  
Address: Vucheticha ul., 9a, Moscow, 127206, Russia.  
Phone number: +7 (916) 129-58-75. E-mail: davydovdv@gmail.com

**Lezhnev Dmitriy Anatol'evich**, M. D. Med., Professor of Department of Radiology, Moscow State Medical University of Medicine and Dentistry named after A. I. Evdokimov, Ministry of Healthcare of Russia.  
Address: Vucheticha ul., 9a, Moscow, 127206, Russia.  
Phone number: +7 (495) 611-01-77. E-mail: lezhnev@mail.ru

**Vasil'eva Yulia Nikolaevna**, Postgraduate of Department of Radiology, Moscow State Medical University of Medicine and Dentistry named after A. I. Evdokimov, Ministry of Healthcare of Russia.  
Address: Vucheticha ul., 9a, Moscow, 127206, Russia.  
Phone number: +7 (916) 771-76-67; +7 (495) 611-01-77. E-mail: drugya@yandex.ru