

THE OPHTHALMIC INFORMATION SYSTEM

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The introduction of information systems to the healthcare industry has led to the automation and modernization of the system of work, increased the quality of diagnostic and therapeutic procedures, reduced consumables and increased the level of system utilization, simultaneously saving time and enabling the integration of heterogeneous systems into a single computer unit.

The ophthalmic information system (OIS) is a part of the hospital information system (HIS). The network, computer hardware and software, WEB technology, Digital Imaging and Communications in Medicine, Picture Archiving and Communication System, Health Level Seven protocol are essential to the functioning of the information system.

Teleophthalmology is a form of the medical information system that requires the use of telecommunication systems in order to provide ophthalmic services among remote locations.

The application of smart mobile phones for mobile ophthalmology has shown great efficacy in the diagnosis of macular degeneration, glaucoma, cataracts etc.

Web technologies in the ophthalmic information system have made health services available to everyone, enabled a fast and effective treatment, provided timely information and also enabled good communication between ophthalmologists.

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