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A proposed model for quantification of ocular trauma

In physical sciences like physics, chemistry and engineering, it is relatively easy to quantify change. However in medical science it is not always easy and at times we have to make a compromise. An effort has been made to quantify ocular trauma (eye injuries) on the basis of loss of structure and loss of function. The loss of structure is graded in percentage on the basis of a formula and the loss of function is mainly calculated from loss of vision in percentage. Loss of structural and functional loss gives total loss. Both should be recorded on a graph paper at weekly interval for moderate injuries and at monthly interval for severe injuries. By joining the upper ends of structural and functional loss an area is formed which is called traumagram. Sq. cm. within this area are counted. Each Sq. cm. represents 1 trauma unit. Many types of traumagrams can be expected.

Biography

Bhartendu Shukla has teaching experience at Medical College, Gwalior for 25 years. Subsequently he was the Director at the Regional Institute of Ophthalmology, Bhopal for 9 years and presently he is the Director of Research at R.J.N. since 9 years. He has been the President of All India Ophthalmological Society and President of Ocular Trauma Society of India. He has received Dr. Siva Reddy International Award and important national awards including Dr. Hari Mohan Award, Air Marshal Boparai Award, Community Ophthalmology Award, Dr. A.K.N. Sinha Award and Dr. Mohan Lal Award. He has also received Life Time Achievements Award from All India Ophthalmological Society. He has over 50 publications in various national and international journals.

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