EPH - International Journal of Medical and Health Science
ISSN (Online): 2456-6063
Volume 07 Issue 02 June 2021

DOI: https://doi.org/10.53555/eijmhs.v4i1.18

SHORT COMMUNICATION ALL ABOUT PERIMETRY- EASY TO UNDERSTAND

Partha haradhan chowdhury[1*], Brinda haren shah[2]
[*1]m.optom, associate professor, principal *Department of optometry, shree satchandi jankalyan samiti netra prasikshan sansthan, pauri, affiliated to uttarakhand state medical faculty, dehradun, india*
[2]*m.optom, guest lecturer Department of optometry, shree satchandi jankalyan samiti netra prasikshan sansthan, pauri, Affiliated to uttarakhand state medical faculty, dehradun, India*

Corresponding author:-
Email: - optometrypublish@gmail.com

Abstract: *This paper describes about perimetry and its types.*

Keywords: *Kinetic perimetry, static perimetry, super threshold perimetry, threshold perimetry*

INTRODUCTION

Perimetry is a procedure by which visual field is measured. Before, going into details about perimetry one must understand about ISOPTER. The meaning of ISOPTER is the "Size and Luminous" of the target. The intensity of the luminous is changed with 0.1 log unit step and this target is also be moveable.

Types of perimetry

Kinetic perimetry
Static perimetry
Super threshold perimetry
Threshold perimetry

Kinetic perimetry

The meaning of Kinetic is moveable. So here, Luminance target will be moveable. In this type of Perimetry, 2 dimensional target is present. During this procedure, patient is instructed to look straight and this two dimensional target is coming from non seeing area to the seeing area slowly. Patient is asked to assess the luminous target. Eg. Goldman Perimeter

Static perimetry

The meaning of the Static is non moveable. It means here, luminous target is non moveable. In this type, 3 dimensional target is used. The intensity of the Luminous is variable. These changes are followed as 0.1 Log unit steps. Eg. OCTOPUS and Humphrey Perimeter

Super threshold perimetry

The meaning of Threshold is Borderline. This perimeter is used for screening purpose. Whatever the intensity of the Luminance is required here, it is present as just above the range.

Threshold perimetry

Here, threshold amount of Luminance is present at different location. Eg. Humphrey Perimeter
In case of Humphrey Perimeter, at first intensity is increased upto 4dB then consequently, it is decreased as a 0.1 log unit till Threshold is not crossed.

References:

[1]. William j. Benjamin, (2006) borish's clinical refraction, 2nd Ed.
[2]. Theodore Grosvenor, Theodore P. Grosvenor (2007), Primary Care Optometry, 5th Ed.
[3]. Sir Stewart Duke-Elder, David Abrams,(1978), Duke-Elder's Practice of refraction