MALAYSIAN ANATOMICAL ASSOCIATION

2nd Maac
Malaysian Anatomical Association Conference
- an international conference on anatomical sciences

Newcastle University Medicine Malaysia

2nd MALAYSIAN ANATOMICAL ASSOCIATION CONFERENCE

ANATOMY IN THE NEW NORMS

Tracing New Trajectory in Teaching & Research

2nd-3rd November 2022

Jen Johor Puteri Harbour by Shangri-La,

Iskandar Puteri, Johor

PROGRAMME & ABSTRACT BOOK

0530

IS HUMAN RETINA A POORLY DESIGNED STRUCTURE? ANALYSIS BETWEEN CREATIONIST AND EVOLUTIONIST VIEW

Mohd Yusof Mohamad[1]*, Mohd. Hafidz Ithnin[2]

[1]Department of Physical Rehabilitation Sciences, Kulliyyah of Allied Health Sciences, International Islamic University Malaysia, Kuantan, Pahang Darul Makmur, Malaysia.
[2]Department of Optometry and Visual Sciences, Kulliyyah of Allied Health Sciences, International Islamic University Malaysia, Kuantan, Pahang Darul Makmur, Malaysia.

*yusofkahs@iium.edu.my

Introduction: Human retina is an inverted structure causing the light to travel multiple layers to reach the photoreceptors. Evolutionist scientist assumed this a poorly designed structures. It is considered as a scar of past evolution causing the presence of blind spot. In contrast, creationist scientist refuted the idea by proposing necessary visual functions associated with the structure.

Methodology: Selected articles and journals from google seached engine were chosen to analysed both views of creationist and evolutionist. All related English journal/articles were selected within the span of 10 years. Information from unofficial sources were discarded in the study.

Results: Evolutionist views back-wired designed lead to blindspot, detached retina, macular regeneration, angular closure glaucoma, unnecessary extraocular muscles and susceptibility to disease. On other side of coin, creationist view the design is important to avoid degradation of photoreceptors, production of high resolution of image, tolerated blindspot, good visual acuity and a superior space saving solution.

Conclusion: The structure of human eye demonstrated optimal condition for proper functioning of visual images. No single ultimate structures are free from diseases or deficiencies. The inverted retina structures are not uniquely to human alone. It fit the purpose of providing the necessary visual functions.