## Study of Intraocular Melanoma

Essay
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618.07575 H-M.

By Hatem Mohamed Abd Alla (M. B. B. ch.)

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**Supervisors** 

Dr. Soheir Helmy Mahmoud

Ass. Prof. of radiation oncology and nuclear medicine Ain Shams University

Ass. Prof. of radiation oncology and nuclear medicine
Ain Shams University

Dr. Anwaar Mahmoud Rady Consultant of radiation oncology and nuclear medicine Ain Shams University

Ain Shams University 1996











#### **Dedication**

#### To my father and Mother,

who gave me the kindness, time, effort, support, and moral soughts. They tolerate too much without a word of gratefulness. No words can express my indebtedness to them.

### To my Wife.

I am deeply grateful to my wife *Dr. Nancy Abdel-Aziz*, for her real help, and constant encouragement. She saved no help and suffered too much. Her print is present on every page of this work.

Dr. Hatem Mohamed



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#### ANATOMY OF THE EYE

The eye ball, the peripheral organ of sight, is situated in the cavity of the orbit, the walls of which serve to protect it from injury. The eye ball is embedded in the fat of the orbit but is separated from it by a thin membrane termed capsule of Tenon.

The eye is composed of segments of different sizes. The anterior segment is of a small sphere, it is transparent, and it forms about 1/6 of the eye ball. It is bounded by the cornea and the lens, and it is further subdivided into anterior and posterior chambers which are incompletely separated by the iris.

The posterior segment which is one of a larger sphere and is opaque, it forms about 5/6 of the whole circumference of the eye ball.

The term anterior pole is applied to the central point of the anterior curvature of the eye ball, and that of posterior pole to the center of posterior curvature. A line joining the two poles form the optic axis.

The eye ball comprises 3 tunics which are:

- 1) The fibrous tunic consisting of the sclera behind and the cornea in front.
- 2) The vascular pigmented tunic comprising from behind forward the choroid, ciliary body and iris forming together uveal tract.

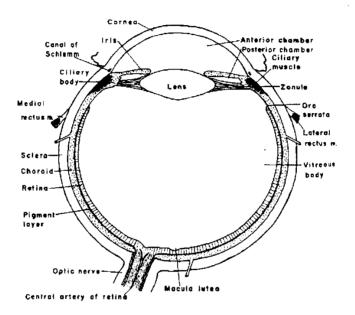


Fig. 1: Diagram of a horizontal meridional section of the eye