

## Ocular manifestation of cancer: retinoblastoma

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### **Introduction to cancer and intraocular cancer:**

Cancer is nothing but abnormal growth of cell and tissue inside our body which can be acquired or can be genetically inherited. Normally cell division is very natural when one cell is divided and can make numerous cells. Cell and all characteristics about its nature, shape, structure, function, growth and degeneration, duration of life all are programmed inside genetic code. But in some cases, cell grows and mutation occurred within its genetic body so that abnormality happened in its growing stage and divided into trillions of cells with abnormal characteristics and transform into tumor. Normally tumor is not always cancerous here it is further classified as malignant and benign tumor. Sometimes it may occur anywhere in our body (locally) and sometimes also can be transferred from one place to another via connective tissue like blood and lymphatic circulatory system. The process of transfer of cancerous cell from one part to another is named as metastasis and such types are called as metastatic cancer.

When cancer cell growth take place inside ocular cells and ocular nervous layer named as intraocular cancer .It is vision threatening and in sometime if it spread to whole over body via circulatory system then it can be life threatening also./ Various types of ocular cancer we can see in clinical practice like Melanoma, lymphoma etc and retinoblastoma is quite common among most intraocular cancer patient study.

### **Formation:**

Naturally body cells divide it into numerous cells for growing and when one particular cell is dead then that dead cell is replaced by another new cell made by cell division process. Tissue is made up with numerous number of body cell and several numbers of tissues made an organ so cell division plays a very important role when cell is the functional and structural unit. Cells characteristics like its functions, shapes, size, growth, life time, degeneration and destruction all are controlled by genetic coding .Each and every cell contents gene inside it and it can control cells activity and generally mutation is happening every time among genes but small mistakes are always corrected by the cells but in some time when its