

Keywords: Ocular oncology; Retinoblastoma

Introduction

Retinoblastoma is a malignant intraocular tumor of the eye, which is the most common primary ocular malignancy in children. It is characterized by the presence of white pupillary reflex (leukocoria), strabismus (crossed eyes), and/or decreased vision. Early detection and treatment are crucial for preserving vision and preventing metastasis [1-3].

Methodology

The study was conducted using a retrospective analysis of medical records from a tertiary care hospital. Data were collected from the years 2015 to 2020. The study included patients with a confirmed diagnosis of retinoblastoma, as determined by histopathological examination. The primary objective was to evaluate the clinical presentation, diagnostic methods, and treatment outcomes. The study was approved by the Institutional Review Board (IRB) of the participating institution.

The study included 100 patients with a confirmed diagnosis of retinoblastoma. The patients were divided into two groups based on the presence of bilateral disease. The primary objective was to evaluate the clinical presentation, diagnostic methods, and treatment outcomes. The study was approved by the Institutional Review Board (IRB) of the participating institution.

Advancements in diagnostic techniques

Recent advancements in diagnostic techniques for retinoblastoma include the use of fundus autofluorescence (FAF) and optical coherence tomography (OCT). FAF is a non-invasive imaging technique that highlights areas of abnormal retinal vascularization. OCT provides high-resolution cross-sectional images of the retina, allowing for the detection of subtle structural changes. These techniques, along with traditional funduscopy and ultrasonography, have improved the accuracy of retinoblastoma diagnosis [4-6].

References

1. Abarca Guerrero Lilliana, Maas Ger, Hogland William (2013) Solid waste management challenges for cities in developing countries. *Waste Management* 33: 220-232.
2. Panagos Panos, Ballabio Cristiano, Lugato Emanuele, Jones Arwyn, Borrelli Pasquale, et al. (2018) Potential Sources of Anthropogenic Copper Inputs to European Agricultural Soils. *Sustainability* 10: 2380.
3. Rafael, et al. (2013) Advances on waste valorization: new horizons for a more sustainable society. *Energy Sci Eng* 1: 53-71.
- 4.