AJCC-Staging for Retinoblastoma: One System for Both Globe Salvage and Patient Mortality

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**Purpose:**

To evaluate the ability of the 8th edition of the American Joint Committee on Cancer (AJCC) Cancer Staging System to estimate retinoblastoma (RB) globe salvage and mortality.

**Methods:**

International, multicenter, registry-based retrospective case series. Analysis of 2190 patients from 18 centers from 13 countries over 6 continents. Globe salvage and metastasis-related survival data was estimated using AJCC cTNMH.

**Results:**

In a median follow-up of 48 months, increasing AJCC cT category was significantly related to increased risk of failure for globe salvage and metastasis-related mortality. In enucleated eyes, presence of the high-risk features (pT3 or pT4) were associated with higher metastatic risk.

**Conclusions:**

AJCC RB Staging is the only RB classification system addressing intra- and extra-ocular RB for globe salvage and metastasis-associated mortality. Multicenter, international, internet-based data sharing validated the 8th edition AJCC RB Staging for globe and life salvage.