UVM - Uveal Melanoma

Subtype	Biology & Expression	Genomic Alterations	Clinical Features
EIF1AX-mutant	• Neural-crest–like gene programs • Low proliferative index	• Ubiquitous GNAQ/GNA11 activating mutations • EIF1AX point mutations • Chromosome 3 disomy • Low overall CNA burden	• Best prognosis • Rare metastases • Long disease-free intervals
SF3B1-mutant	• Altered RNA-splicing signatures • Moderate proliferation and chromatin remodeling	• GNAQ/GNA11 mutations • SF3B1 hotspot mutations • Chromosome 3 disomy • Moderate CNA burden (often 6p gains)	• Intermediate prognosis • Late-onset metastases (often >5 years)
BAP1-mutant	• Dedifferentiated, high-proliferation phenotype • Immune-evasive programs	• GNAQ/GNA11 mutations • BAP1 loss-of-function mutations • Monosomy 3 • Frequent 8q gains; high CNA burden	• Worst prognosis • Early metastasis • Aggressive clinical course