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HIGH-GRADE GLIOMAS ARE AMONG THE DEADLIEST OF HUMAN CANCERS AND APPROPRIATE GLIOMA MOUSE MODELS THAT ARE CONVENIENTLY APPlicable FOR THERAPY-INTERVENTION STUDIES CAN CONTRIBUTE TO THE FINDING OF MORE EFFICACIOUS TREATMENTS. FOLLOWING THE INTRACRANIAL INJECTION OF LENTIVIRAL CRE-RECOMBINASE VECTORS INTO \textit{LoxP}-CONDITIONAL \textit{p53}(or \textit{pten});\textit{Ink4a}/\textit{Arf};\textit{K-Ras}^{v12};\textit{LucR} mice, noninvasively visible high-grade gliomas arise with a short tumor latency that show features commonly found in human high-grade glioma, such as a high mitotic index, nuclear atypia, pseudopalisading necrosis, and giant cell formation. For further details, please see the article by de Vries and colleagues on page 3431 of this issue.