Retro-orbital Injection in the Mouse

The mouse is anesthetized (Isoflurane is preferred). A 27 - 30 gauge needle is inserted at a 45 - 90 angle into the medial corner of the eye until the retro-orbital sinus is penetrated. The injection volume should not exceed 0.15 ml per eye. Pressure is applied to the eye until bleeding has stopped. Triple antibiotic ophthalmic ointment is applied to the eye. If multiple injections are required, the injection will be alternated between the right and left eye so that no eye is injected more than once per week.

Under Non-surgical Procedures #2, add: The mouse will be monitored long-term for inflammation, hematoma, or abscess formation, as well as squinting and corneal opacity.