

Supplemental Table 1: Glaucoma Drainage Device Information

	BV350	BV250	Ahmed FP7	Ahmed FP8
Anterior-Posterior Plate Length (mm)	16	14	16	11
Estimated Minimal Axial Length (mm) if GDD Placed in Superotemporal Quadrant	20	18	20	16
Plate Surface Area (mm²)	350	250	184	102
Valved - Immediate pressure lowering effect - Less risk of post-operative hypotony - Higher risk of hypertensive phase/ plateencapsulation	No	No	Yes	Yes
Non Valved - Delayed pressure lowering effect (3-6 wks) - Requires temporary ligation or staged procedure - Greater risk of post-operative hypotony - Lower risk of hypertensive phase/ encapsulation	Yes	Yes	No	No

Comparison of characteristics of Baerveldt (BV) and Ahmed glaucoma drainage devices (GDD). Estimated minimal axial length based on anterior-posterior plate length, corneal diameter, and GDD plate placement at least 6 mm posterior to the limbus and more than 3 mm from the optic nerve. (Chandramouli SA et al, Reference #18).