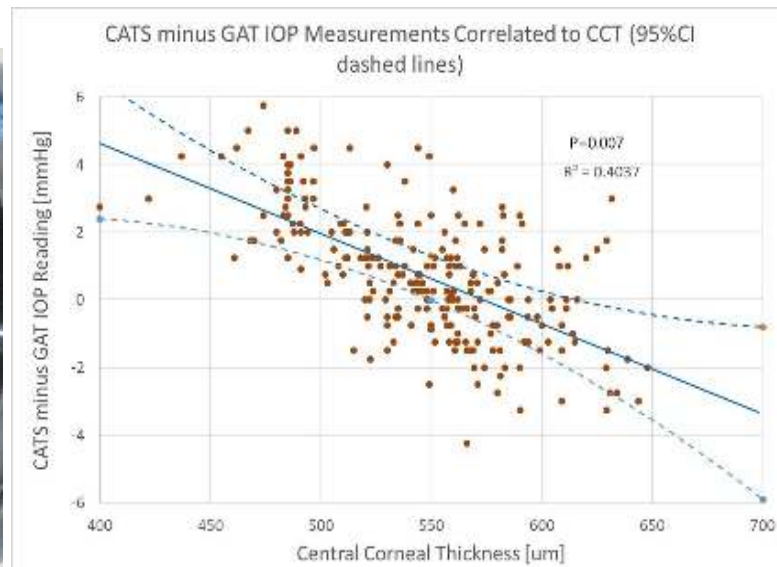


The CATS® (Correcting Applanation Tonometry Surface) Tonometer Disposable and Reusable Prisms are FDA cleared for intraocular pressure (IOP) measurement in existing Goldmann-type applanation tonometers (GAT) (Figure 1). The seven peer-reviewed studies listed below indicate CATS® Tonometer Prism's decreased corneal biomechanical sensitivity is attributable to the sinusoidal curved modification of applanating surface.¹ The CATS® Tonometer Prism significantly decreases patient corneal biomechanical sensitivity and tear-film properties. The CATS® Tonometer Prism's precision has been demonstrated in direct clinical GAT prism comparison and by surgically placed intracameral transducer pressure comparison.²⁻⁷ Figure 2 illustrates the CATS® Tonometer Prism minus GAT IOP measurement which correlates very closely to the Dresdner CCT correction.³



All Goldmann type tonometers may utilize CATS® Tonometer Prism without recalibration. A clinician measures IOP using the same protocol and techniques as those currently employed in GAT measurement. The CATS® Tonometer Prism achieves the reduction in corneal biomechanical sensitivity by partially matching the curvature of the tonometer surface to curvature of the cornea minimizing the intracorneal stress during applanation.²⁻⁷ This design minimizes the contribution of total force on the prism face due to corneal deformation, measuring predominantly the IOP force.¹ The annular curvature away from the cornea is designed to simultaneously minimize the tear-film error.^{1,7} We believe the CATS® Tonometer Prism will be the new standard of care for all eye care clinicians who want confidence in the IOP metrics used to assess and protect their patients' sight.

1. <https://tvst.arvojournals.org/article.aspx?articleid=2552691&resultClick=1>
2. [https://www.ajo.com/article/S0002-9394\(18\)30513-0/fulltext](https://www.ajo.com/article/S0002-9394(18)30513-0/fulltext)
3. <https://bj.o.bmj.com/content/early/2019/02/21/bjophthalmol-2018-313470>
4. <https://bmcoophthalmol.biomedcentral.com/articles/10.1186/s12886-017-0668-z>
5. <https://bmcoophthalmol.biomedcentral.com/articles/10.1186/s12886-017-0608-y>
6. <https://www.dovepress.com/goldmann-tonometer-error-correcting-prism-clinical-evaluation-peer-reviewed-article-OPHTH>
7. <https://www.dovepress.com/goldmann-tonometry-tear-film-error-and-partial-correction-with-a-shape-peer-reviewed-article-OPHTH>
8. <https://www.dovepress.com/improved-efficacy-of-topical-latanoprost-0005-demonstrated-by-corneal-peer-reviewed-fulltext-article-OPHTH>
9. <https://www.tandfonline.com/doi/full/10.1080/02713683.2021.1916039>