

Features in the HIC.SOAP Professional and Deluxe Edition

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Overview

The Holladay IOL Consultant & Surgical Outcomes Assessment is a "smart" data base program that automatically minimizes a surgeon's prediction error for intraocular lens power calculations every time postoperative results are entered. The program can handle an unlimited number of IOL's, surgeons and patients. IOL power calculations comparing the current third generation formulas (Holladay2, Holladay 1, Hoffer Q and the SRK/T) are easily performed. Features for calculating surgically-induced astigmatism and back-calculating values to determine the source of refractive surprises only require clicking one button. The Holladay IOL Consultant & Surgical Outcomes Assessment is a "smart" data base program that automatically minimizes a surgeon's prediction error for intraocular lens power calculations every time postoperative results are entered. The program can handle an unlimited number of IOL's, surgeons and patients.

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Standard

As of November 1st, 2009, HICSOAP STANDARD edition has been discontinued.

Features in DELUXE & Professional Edition (that were not in STANDARD edition)

1. Import Demographics and data exported from floppy disk, USB Drive created by IOL Master Biometer Export Function (version 5.0 or higher) to avoid duplicate entry.
2. Toric IOL Calculator
3. Keratometer Refractive Index Adjustment
4. Added PLC+ for lenses that use the Enhanced Holladay2 algorithm
5. Optical lens constant automatically calculated by adding 0.2mm to the Ultrasound constant
6. Will run on Windows XP, Windows Vista, and Window 7.
7. Three postoperative visits may be viewed simultaneously to see serial postoperative changes more easily.
8. Piggy back lens calculations now consider the minimum and maximum available power in a specific IOL to simplify calculations.
9. Number of lenses printed out on IOL Calculation is unlimited with 4 IOLs per page.
10. Surgical Outcomes Assessment Program has been integrated into the main program to avoid switching programs and easily generate outcome reports.
11. Automatic Backup of the Database occurs that minimizes the chance of lost data with power outages and computer failure.
12. Entire database information may be exported into a CSV file for import into a spreadsheet such as EXCEL for independent analysis.
13. Any HICSOAP database may be selected for use by the program allowing the user to perform calculations for multiple clinics without mixing the data.
14. Preoperative Screen allows two axial length measurements, e.g. ultrasonic axiometer and Optical (IOL Master & LenStar) so that lens constants can be personalized for both.
15. Ability to DELETE unwanted patients from the database that were usually created by mistake, for which there is no data.

16. Modern Microsoft Access database format that is more resistant to corruption and provides for in-program repair.

Features in PROFESSIONAL (that are not in DELUXE)

1. Networking: Users on different workstations can access the same database simultaneously.
2. Direct Network downloads from biometers - the IOL MASTER (Zeiss) and LenStar (HAAG STREIT)
3. Integration with Compulink EyeCare version 9.00 or higher.

Features that have ALWAYS BEEN in the IOL Consultant Program

IOL Calculations:

- PhakicEyes
 - Standard Cataract IOL calculation
 - Primary Piggy-back IOL calculation
 - AC, PC & ILC IOL calculation high minus phakic IOL
- Aphakic Eyes
 - Secondary IOL calculation from axial length
 - Secondary IOL calculation from Aphakic Refraction
- Pseudophakic Eyes
 - Secondary Piggy-Back IOL calculation for residual refractive error
 - Lens Exchange IOL calculation
- Axial Length Measurement Corrections
 - Correction of axial length measurement in pseudophakia for any lens material and lens power
 - Correction of axial length measurement in aphakia
- Multiple Formulas
 - Includes Holladay 2, Holladay 1, SRK/T , Hoffer Q and Holladay R (Refraction)
- IOL Database
 - All lenses currently manufactured are in the database with lens properties
 - Program allows addition of new lenses not currently in data base
- Unlimited Number of Surgeons and Active Lenses
- Alternate K-values for Post Keratorefractive Surgery
 - Calculates alternate K-value from refractive data, contact lens method and topography
- Lens constant personalization
 - Automatically calculates personalized lens constant for all formulas with comparative formula results
 - Allows the surgeon to choose any of the formulas for IOL calculations
- Outcomes Analysis
 - Histogram of BCVA & UCVA results
- Surgically Induced Refractive Change (SIRC)
 - Calculates SIRC from refractive data & K-readings
- Back-Calculations
- Additional Features
 - Compensates for in-the-bag versus in-the-sulcus lens placement
 - Determines the optimal add in the IOL for Bifocal IOL calculations
 - Determines the optimal toricity in the IOL for Toric IOL calculations
 - Performs IOL calculation for Silicone in the vitreous cavity
 - Predicts average myopic shift with time in pediatric patient
 - Allows choice of visual acuity notation: feet, metric or decimal

System Requirements PROFESSIONAL OR DELUXE EDITIONS:

The program runs on any IBM compatible computer running Windows 2000, XP, Vista, or 7. Recommend minimum resolution of 1280x1024 pixels for optimum viewing.