Quick Tutorial: IOL Database and Calculation



ANTERION®



Master IOL Database Settings

Importing a Master IOL Database You must have Keyuser permission in HEYEX 2 to access Default settings to import a master IOL database or edit spheric and toric IOL availabilities. If you do not have Keyuser permissions, please consult your IT administrator. 2 \bigcirc 2 Double click on any ANTERION thumbnail in HEYEX 2 to open the NU image and click on Default settings. Biometry OU Calculation OU Settings Default settings Va. Click on Master IOL database. **OS** 03/05/2018 at 14:28:30 Eye status: No surgery, Phakic, Vitreous only Target refraction: 0.00 D - + 関 Click on Import master IOL database ... IOL database: Select a surgeon -Default settings 関 General Cornea Cataract Master IOL database Metrics Imaging Master IOL database (09/03/2022) Import master IOL database. B. IOL name Nominal Haigis A0 Haigis A1 Haigis A2 nACD SRK/T Barrett A cons Barrett DF 1stQ A4EW0M 1stO A4FW00 A Oper Select XML database from the Y. ↑ 🔲 > This PC > Desktop > O Search Desktop 5 ~ dropdown menu. Navigate to the Organise 🔻 New folder file and click **Open**. Heidelberg 💻 This PC Engineering recommends 3D Objects downloading an XML database Desktop 😹 Documents from https://iolcon.org IOLexport (1) File name: XML database (*.xml) \sim Open SM. Read the End User License Agreement (EULA) and click Accept to agree. When importing as an XML, select your preference to import either Manufacturer provided or Optimized IOL constants. The IOL database will be imported and Import master IOL database... (Succeeded) will be displayed.

Editing Spheric & Toric IOL Availabilities

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- Click on Default settings and open the 2 Master IOL database.
- Pa. Click on the desired IOL and click 💋.

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	\Box_1		Default s	ettings
General Cornea Cataract Master I	OL database Metrics	Imaging		
		Mas	ster IOL databa	se (09/03/2
IOL name	Nomin	al Haigis	A0 Haigis A	1 Haigi
AJL Ophthalmic P651300	118.0	0 1.273	0.400	0.10
JL Ophthalmic Y601075	117.3	0.950	0.400	0.10
Alcon AcrySof AU00T0	118.7	0 -0.769	0.234	0.21
Alcon AcrySof IQ Vivity DFT015	118.8	D		
Alcon AcrySof IQ Vivity Toric DF	T (2-6)15 118.8	30		
Alc Edit values of this IOL in master IOL	database 118.9	0 1.750	0.400	0.10
Alcon acrysor maduac	118.4	0 0.229	0.011	0.20
Alcon AcrySof MA60MA (+D)	118.9	5.780	0.400	0.10

_ 🗆 😣

X

Close

4

More

Cancel

- 🧏 Click 🖉 next to Spheric availability and Toric availability to edit the data.
 - Click \checkmark OK to save the data.
 - Click Bave as default at the bottom of the default settings page to save the changes.

Edit entry in mas	ter IOL database	
IOL name	Alcon AcrySof IQ Vivity Toric DFT (2-6)15	
Nominal	118.80	
Haigis A0		
Haigis A1		
Haigis A2		
pACD	5.67	
SF	1.90	
SRK/T	119.20	
Barrett A const	119.20	
Barrett LF	1.99	
Barrett DF	5.00	
Spheric availability	From 10.00 D to 30.00 D available in 0.50 D steps	2
Toric availability	From 1.00 D to 1.00 D available in 0.00 D steps From 1.50 D to 1.50 D available in 0.00 D steps From 2.25 D to 2.25 D available in 0.00 D steps From 3.00 D to 3.00 D available in 0.00 D steps	1 3
	From 3.75 D to 3.75 D available in 0.00 D steps	

Creating a Personal IOL Database



Adding an IOL via Master Database

21 Double click on any ANTERION thumbnail acquired using the Cataract App to open the image and click on Settings. Info Renort (A) Click on the Personal IOL database settings tab. B. Click on the desired IOL in the master IOL database and press 🕂 . 劉 W) The selected IOL is added to your personal database. 🖑 Click 🗟 Save when you have finished adding personal IOL's to vour database. This will save the IOL database as the default to the

account you logged in with.





Adding an IOL Manually

- Double click on any ANTERION thumbnail acquired using the Cataract App to open the image and click on Settings.
- Click on the **Personal IOL database settings** tab.

W2

- Click the 🕂 in the top right corner.
- In the Add IOL to my IOL database window, enter an IOL name and the desired IOL constants.
- Click Create to add the IOL to your personal IOL database.
- 🛛 Click 🖶 Save 🛛 to save the changes.
- Manually added IOL's will be displayed in blue.
- Click 🔚 Save at the bottom on the screen to save the IOL to your personal IOL database.

Editing IOL Constants

Double click on any ANTERION thumbnail acquired using the Cataract App to open the image and click on *Settings*.

- Click on the Personal IOL database settings tab.
- 🧞 Click on the IOL you want to edit and press 💋 .
- Edit the values in the Edit entry in my IOL database window.
- Click OK, the manually edited entries will be displayed in blue.
- Click Save at the bottom of the screen to save the changes.









Calculating IOLs



Calculating & Selecting Spheric IOLs

- Click on the Calculation OU tab. 2
- Click + next to Target Ma. refraction to specify the desired spherical equivalent target refraction or enter the value manually.
- B Select the IOL database from which you want to retrieve the IOLs from the dropdown list.
- 劉 Select the desired formula and IOL from the dropdown lists.
- S.M. Click on the check box next to the desired combination of IOL power and Residual refraction values (so they are highlighted yellow) and click **Report** at the top of the screen to save the IOL calculation for the patient.

Output Cornea OU Cornea follow-up Cornea multi Biometry OU Calculation OU 0 03/05/2018 at 14:37:36 e status: No surgery. Phakic. Vitreous only arget refraction: 000 • • Cornea OU Ornea OU Cornea OU		- 0	(
D 03/05/2018 at 14:37:36 OS 03/05/2018 at 14:28:30 e status: No surgery, Phake, Vitrous only Execution: 000 D + arget refraction: 000 D + Vitrous only arget refraction: 000 D + Vitrous only Target refraction: 000 D + Image: Catom Image: Catom Barrett Univers + Haigis - Alcon AcrySof SN60WF - AcomacrySof SN60WF - 0.769 Alcon AcrySof SN60WF - Alcon AcrySof SN60WF - AcomacrySof SN60WF - 0.769 Alcon AcrySof SN60WF - Acom AcrySof SN60WF - AcomacrySof SN60WF - 0.769 Alcon AcrySof SN60WF - Acom AcrySof SN60WF - AcomacrySof SN60WF - 0.769 Alcon AcrySof SN60WF - Acom AcrySof SN60WF - 22.00 0.37 23.00 0.63 23.00 0.83 - - 22.00 0.37 23.00 0.63 - - - - - 22.00 0.37 23.00	Cornea single OD/OS	J Cornea follow-up Corn	nea multi Biometry OU	Calculation OU
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24.50 -0.68 25.00 -0.79 24.50 -0.68 25.00 -0.87 24.00 -0.52 24.50 -0.48 25.00 -0.28 25.00 -0.21 22.50 0.15 23.50 0.63 22.00 0.42 23.50 0.48 22.50 0.57 23.00 0.63 22.00 0.42 23.00 0.83 Holladay 1 • SRV/T • Holladay 1 • SRV/T • Alcon AcrySof SN60WF • SRV/T • Alcon AcrySof SN60WF • SRV/T • SRV/T • 91: 1.84 SRV/T • Alcon AcrySof SN60WF • SRV/T • SRV/T • 92.50 •.0.44 22.50 •.0.64 24.50 •.0.64 24.50 •.0.87 23.00 0.21 22.50 0.35 22.50 •.0.64 23.00 •.0.87 23.00 •.0.87 23.00 0.22 22.50 0.35 22.50 •.0.75 22.50 •.0.16 23.00 •.0.28 23.00 •.0.21		IOL power SE Residual refraction		
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		22.00 0.70	22.50 0.75	
	Open toric/in	cision calculator		

Calculating Toric IOLs & Incisions

After calculating the spherical IOL power, click Open toric/incision calculator .

- Select parameters from the 2 Astigmatism dropdown list.
- Ma. Enter the value for Incision location in the text field and enter the value for Surgically induced astigmatism in the text field to calculate the IOL axis.
- W2 You can also edit the incision location value by dragging and dropping the green incision location line on the camera image, and manually change the position of the IOL axis by dragging and dropping the red dashed line on the camera image. Click on Automatic to undo the IOL axis changes.
- ¥. Click on the check box next to the desired toric calculation values. They will be highlighted in **blue**.

Sm



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The user interface is different when calculating IOLs with Barrett formulas. Please consult the user manual for more information.



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Working with Templates

Creating & Saving a New Template Save your preferred combination of formula and IOL parameters in the Calculation OU tab by creating a template. Select the combination of formulas and 9 00 0U IOLs you wish to save as a template. OD 03/05/2018 at 14:37:36 OS 03/05/2018 at 14:28:30 (A) Click 🔚 next to the **Template** 0.00 D - + 0.00 D - + dropdown list. Va. 2 Template name: Dr Doe 图】 🗏 Save 😣 Cancel OD 18/07/2017 at 12:58:27 Eye status: No surgery, Phakic, Vitreous only Target refraction: 0.00 D - + 1 Enter a name for the template and IOL database: John Doe 🔻 click 🔚 Save . AbI Template: Dr Doe 🔻 W Custom ¥. The template can now be selected Barrett Un Dr Doe Haigis from the dropdown list. Setting a Template as Default You must have Keyuser permission in HEYEX 2 to set a template as default. Doing this will default • the selected template to all HEYEX 2 users on the network. B2 Default settings 21 Double click on any ANTERION thumbnail to open the image and click on 🔑 Default settings. 8 Ng. Click on Cataract. ¥. Select the desired template from the Default spheric calculations template dropdown list. W. Click 🔚 Save as default and close the **Default settings** window. Save as default 🕥 Undo 😣 Close

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