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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				\mathbb{P}_1	Default settings					
	General	Cornea	Cataract	Master IOL database	Metrics	Imaging				
I	Master IOL database (09/03/2									
	IOL nam	e			Nomina	al Haigi	s A0 Haigis	A1 Haigi		
	AJL Ophthalmic P651300				118.00	1.273	3 0.400	0.10		
у 92	UL Ophthalmic Y601075				117.30	0.950	0 0.400	0.10		
12	Alcon A	crySof Al	J00T0		118.70	-0.76	0.234	0.21		
	Alcon A	crySof IC	Vivity DF	r015	118.80					
	Alc	on AcryS	of IQ Vivit	/ Toric DFT (2-6)15	118.8					
ľ	AlcEdit	values of t	his IOL in m	aster IOL database	118.90	1.750	0 0.400	0.10		
		CrySot M		latabase	118.40	0.229	9 0.011	0.20		
	Alcon AcrySof MA60MA (+D)))	118.90	5.780	0 0.400	0.10			

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Close

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More

Cancel

- Click 🖉 next to Spheric availability and Toric availability to edit the data.
 - Click ✔OK to save the data.
 - Click Save 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	12
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	ିପ₃ ।
	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 From 3.75 D to 3.75 D available in 0.00 D steps	
	- 1011 3.75 0 to 3.75 0 available 11 0.00 0 steps	
	✓ OK Cancel	

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Close

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 Settings 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 your 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.

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- 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.

Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>
TA contrast sports impleaded comparts to: The contrast sports impleaded comparts to:
Master IDL database (09/131/2022) DL name Nominal Haigis AD Haigis A2 pACD SF SRX/T Burrett A const. Burrett A
OL name Nominal Haigis A0 Haigis A1 Haigis A2 pACD SF SRV/T Barrett A const. Barrett O
N Contracting Yeb 1075 117.30 0.550 0.400 0.100 4.55 1.37 118.00
Lit Openhamine, reported 3. 117-30 0.750 0.760 0.100 4.36 1.37 118.00 (kon Arrsfeld Ab9010 1.18, 770 0.759 0.234 0.217 5.64 1.84 110.00 5.00
HUDIA ACT/SIGN ADDUTU 116.70 -0.727 0.224 0.217 3.064 1.84 1170.00 5.00 HUDIA ACT/SIGN ADDUTU 5.01 118.80 5.07 1.920 119.20 1.920 5.00
1000 023000 10 WWW 07 1013 115.00 3007 1.570 115.20 115.20 500 + Aloss Arzysól 10 WWW 1076 DFT (2-6)15 118.80 5.67 1.00 119.20 119.20 5.60
T ALCOR ACTYSON IC VIVILY 1000C DF1 [2:0]15 110.00 119.20 5.00 119.20 119.20 5.00 119.20 119.20 5.00 119.20 119.20 119.20 5.00 119.20 119
NGN ACTYON MASOAC 118.70 1.750 0.000 0.100 5.50 2.12 112.40 NGN ACTYON MASOAC 118.40 0.229 0.011 0.705 5.67 1.90 119.20
NGM ACTYSON PMAGMAL 110-00 0.227 0.011 0.205 3:07 1.70 110.20 NGM ACTYSON PMAGMAL (4D) 118.80 5:780 0.400 0.100 15:54 10:29 126:60
10.01 (1.150 1.100 0.100 1.157 1.0000 1.000 1.000 1.000 1.
Non Actyon Mediate (1) 110-50
Acon Acrysled MN60HA (+D) 118.90 5.780 0.400 0.100 15.94 10.29 126.60
Nom AcrySof MN60MA (+D) 118.90 5.780 0.400 0.100 15.94 10.29 126.60 Nom AcrySof MN60MA (+D) 118.90 -4.220 0.400 0.100 -5.52 -7.08 103.60
Mann Arryfold HHI00HA (10) 118.99 5.700 0.400 C.100 15.94 10.29 126.60 Mann Arryfold HHI00HA (10) 118.90 -4.220 0.400 0.100 -5.52 -7.60 103.60 Mann Arryfold HHI00HA (10) 119.80 1.00 0.400 6.100 6.10 2.31 119.90
Nom AcrySof MN60MA (+D) 118.90 5.780 0.400 0.100 15.94 10.29 126.60 Nom AcrySof MN60MA (+D) 118.90 -4.220 0.400 0.100 -5.52 -7.08 103.60







Calculating IOLs



Calculating & Selecting Spheric IOLs

- Click on the Calculation OU tab. 2
- Click + next to Target Pa. 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.

	- 0	(.
cornea single OD/OS Cornea OL	J Cornea follow-up Corn	== 00 -	Calculation OU
D 03/05/2018 at 14:37 e status: No surgery, Phak		OS 03/05/2018 at 14:28 Eye status: No surgery, Phal	
arget refraction: 0.00 D	-+ (Kg,	Target refraction: 0.00 D	- +
DL database: John Doe 🝷	M2	IOL database: John Doe 👻	
Femplate: Custom 🔻 📱		Template: Custom 🔻 🛃	
Barrett Univers 🔹	Haigis 🗸	Barrett Univers •	Haigis 👻
Alcon AcrySof SN60WF A const: 119.00 DF: 5.00	Icon AcrySof SN60WF -	Alcon AcrySof SN60WF A const: 119.00 DF: 5.00	Alcon AcrySof SN60WF • A0: -0.769 A1: 0.234 A2: +
IOL power SE Residual refraction	IOL power SE Residual refraction	IOL power SE Residual refraction	IOL power SE Residual refraction
24.50 -0.89	25.00 -0.79 24.50 -0.43	24.50 -0.68 24.00 -0.31	25.00 -0.58 24.50 -0.22
24.00 -0.52	24.00 -0.43	23.50 0.06	24.00 0.13
23.00 0.21	23,50 0,28	23.00 0.42	23.50 0.48
22.50 0.57	23.00 0.63	22.50 0.78	23.00 0.83
Holladay 1 🗸 🗸	SRK/T -	Holladay 1 🗸	SRK/T -
Alcon AcrySof SN60WF -	Alcon AcrySof SN60WF -	Alcon AcrySof SN60WF -	Alcon AcrySof SN60WF -
24.50 -0.84	24.00 -0.71	24.50 -0.64	24.50 -0.87
24.00 -0.49	23.50 -0.35	₩ 0 -0.28	24.00 -0.51
23.50 -0.14	23.00 0.00 🗸		23.50 -0.16
23.00 0.21		23.00 0.41	23.00 0.20
	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**.

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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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