

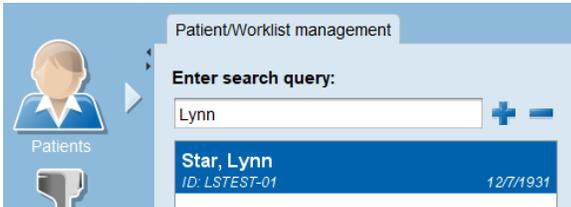
# HAAG-STREIT EyeSuite Optimization Guide

for EyeSuite version i9.6.3.0 or higher

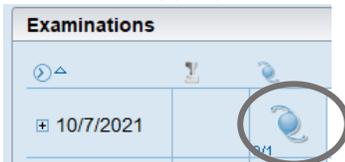
## Please Note:

- If you are currently using the EyeSuite multi-user mode (which requires a password to open), it is best to log in as the surgeon when entering cases and completing the optimization process.
- Optimization requires a minimum of 150 cases per lens and the Lenstar computer must be connected to the internet. If you are unable to connect to the internet, contact our Software Support Team at 1-888-848-8923.

1. Locate the patient in the Patient/Worklist management and highlight the patient to select:



2. Choose the appropriate saved IOL calculation under Examinations by double clicking on the IOL icon:



3. Select the lens power implanted by clicking on the value:

Target Refraction: 0.00

SN60WF Alcon	IOL [D]	Eye [D]
	21.00	0.56
	21.50	0.20
	<b>22.00</b>	<b>-0.16</b>
	22.50	-0.53
	23.00	-0.90

Barrett

Target Refraction: 0.00

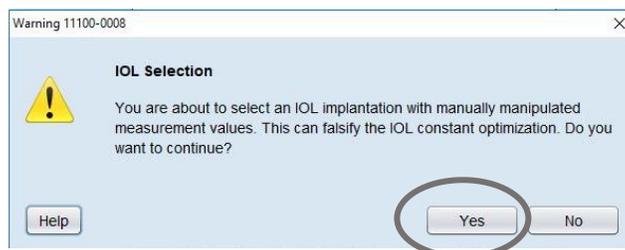
SN60WF Alcon	IOL [D]	Eye [D]
	19.00	0.79
	19.50	0.44
	<b>20.00</b>	<b>0.09</b>
	20.50	-0.26
	21.00	-0.62

Barrett

- Please Note: You must be on EyeSuite version i9.6.3.0 or higher to choose both eyes and count as 2 cases!

4. After selecting the lens power, you may receive the following warning message:

Click "Yes" to continue.



5. Click on the Landolt C's icon in the Tool Bar:



6. Click on "Today" to populate the date, enter the patient's post-operative refraction, visual acuity and Method of refraction:

Refraction entry

Print icon LSTEST-01, Star, Lynn, 12/7/1931

Date: Oct 7, 2021 12:24:33 PM **Today** Method:  Subjective  Objective

Distance	Sph. [D]	Cyl. [D]	Axis [°]	Vertex [mm]	Pr. [cm/m]	Base [°]	Visual acuity [ft]
OD	+0.000	+0.000	0				20/20
OS	+0.000	+0.000	0				20/20

➤ Please Note: You must be on EyeSuite version i9.6.3.0 or higher to enter both eye simultaneously and count as 2 cases!

7. Click "OK" to save your entries.

8. Repeat these steps for a minimum of 150 cases (the more the better) for each lens that you wish to optimize.

➤ Please Note: To review the number of cases entered, skip to steps 11 and 12.

9. Once you enter the required number of cases, proceed with the following steps:

10. Make sure that your Lenstar computer is connected to the internet.

11. Open the IOL Editor and locate the lens you are optimizing, click on the "Calculation" tab. Then click on the surgeon icon to begin the optimization process:

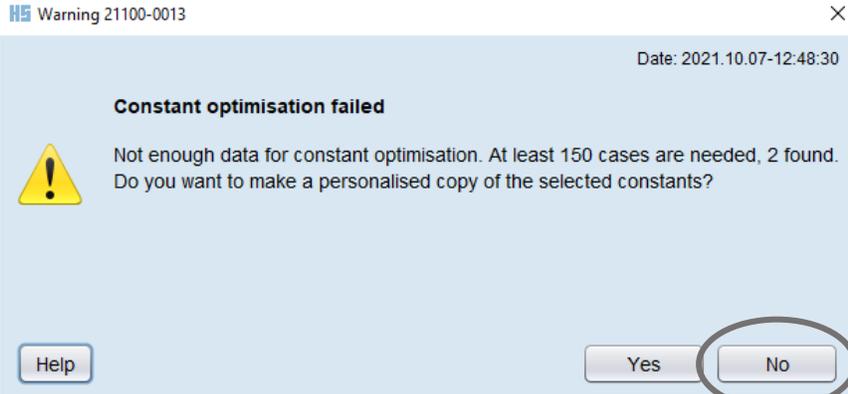
IOL Editor - SN60WF - Alcon

Manufacturer data **Calculation** Properties

revision shown: Version 1 (2021-08-12 13:18:07.0) go back to this revision

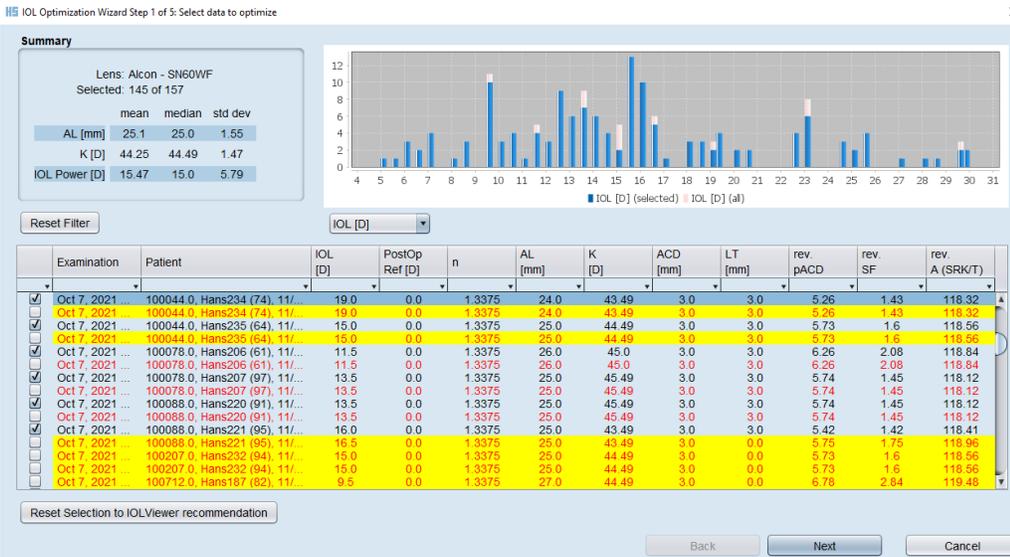
Constant	Device	from [D] incl.	to [D]	value
Barrett LF	acoustic	-10.00	40.00	1.73
Hoffer Q pACD	acoustic	-10.00	40.00	5.37
Holladay SF	acoustic	-10.00	40.00	1.02
Manufacturer A	acoustic	-10.00	40.00	
SRK/T A	acoustic	-10.00	40.00	118.70
Barrett DF	optical	-10.00	40.00	5.00

12. If you have not yet entered the required number of cases, the following message will appear:



However, this message is a counter so you can keep track of the number of cases you have entered. Just click on “No” to continue.

13. If you have entered a minimum of 150 cases, EyeSuite will allow you to proceed. However, more cases are better because the IOL Optimization Wizard will automatically select recommended cases to use for optimizing:



14. You will need to manually select the other cases if you wish to include them by clicking on the box next to the case:

**Summary**

Lens: Alcon - SN60WF  
Selected: 151 of 157

	mean	median	std dev
AL [mm]	25.1	25.0	1.53
K [D]	44.25	44.49	1.44
IOL Power [D]	15.45	15.0	5.71

Bar Chart: IOL [D] (selected) vs IOL [D] (all)

Examination	Patient	IOL [D]	PostOp Ref [D]	n	AL [mm]	K [D]	ACD [mm]	LT [mm]	rev pACD	rev SF	rev A (SRK/T)
Oct 7, 2021	101508 0, Hans263 (69), 11/...	15.5	0.0	1.3375	25.0	44.49	3.0	0.0	6.07	1.95	119.12
Oct 7, 2021	101553 0, Hans265 (86), 11/...	8.0	0.0	1.3375	27.0	45.45	3.0	0.0	7.05	2.87	119.09
Oct 7, 2021	101553 0, Hans266 (86), 11/...	7.0	0.0	1.3375	27.0	45.98	3.0	0.0	7.03	2.68	118.46
Oct 7, 2021	101571 0, Hans218 (87), 11/...	6.5	0.0	1.3375	27.0	46.49	3.0	0.0	7.77	3.25	118.96
Oct 7, 2021	101571 0, Hans218 (87), 11/...	6.0	0.0	1.3375	27.0	46.49	3.0	0.0	7.0	2.44	117.65
Oct 7, 2021	101576 0, Hans268 (69), 11/...	24.5	0.0	1.3375	23.0	42.49	3.0	0.0	5.61	1.94	119.4
Oct 7, 2021	101576 0, Hans268 (69), 11/...	23.0	0.0	1.3375	23.0	43.49	3.0	0.0	5.53	1.6	119.07
Oct 7, 2021	101576 0, Hans271 (67), 11/...	19.5	0.0	1.3375	23.0	46.49	3.0	0.0	5.82	1.91	118.82
Oct 7, 2021	101576 0, Hans271 (67), 11/...	19.0	0.0	1.3375	23.0	46.98	3.0	0.0	5.92	1.97	118.83
Oct 7, 2021	101579 0, Hans255 (97), 11/...	9.5	0.0	1.3375	27.0	44.49	3.0	0.0	6.78	2.84	119.48
Oct 7, 2021	101579 0, Hans255 (97), 11/...	9.5	0.0	1.3375	27.0	44.49	3.0	0.0	6.78	2.84	119.48
Oct 7, 2021	101579 0, Hans257 (92), 11/...	22.5	0.0	1.3375	24.0	41.49	3.0	0.0	5.67	2.01	119.48
Oct 7, 2021	101579 0, Hans257 (92), 11/...	22.5	0.0	1.3375	24.0	41.49	3.0	0.0	5.67	2.01	119.48
Oct 7, 2021	101607 0, Hans135 (91), 11/...	14.0	0.0	1.3375	25.0	45.49	3.0	0.0	6.11	1.83	118.73
Oct 7, 2021	101607 0, Hans135 (91), 11/...	14.0	0.0	1.3375	25.0	45.49	3.0	0.0	6.11	1.83	118.73

Once you have selected the cases you wish to include and the selected cases count 150 or greater, then you can click on “Next” to proceed.

15. Enter a contact name and email address and click on the box next to “I have read and agree with the given terms and conditions for IOL constant optimization” and click on “Next”:

IOL Optimization Wizard Step 2 of 5: Agree send data to Haag-Streit

Dear LENSTAR user, to optimize your IOL constants a connection to the Haag-Streit IOL constant optimization server is going to be established. The following data is going to be transferred:

- IOL case data (anonymized before being transferred)
- Specifications of your LENSTAR installation (device serial number, software versions, system parameters and device service log files)
- Date and time information
- Information on the internet connection used for this transfer e.g. IP address, MAC address
- User information provided during the optimization wizard

All data is stored and kept on a Haag-Streit server to:

- Provide you with your IOL constant optimization at the time of transfer
- To allow Haag-Streit to create a global optimized IOL constant based on pooled data from and for all participating LENSTAR users, to be available on the Haag-Streit web page and to LENSTAR users directly
- To allow Haag-Streit to create benchmark data for performance analysis to be available to the public through the Haag-Streit web page and to LENSTAR users directly
- Create scientific publications based on pooled data
- Haag-Streit internal use for optimization of the algorithms and IOL calculations used with Haag-Streit products

NO DATA IS GOING TO BE SOLD TO ANY THIRD PARTY AT ANY TIME.  
ALL IOL CASE DATA IS GOING TO BE RECEIVED AND KEPT ANONYMIZED AT ALL TIME.  
NO USER INFORMATION IS GOING TO BE SOLD TO ANY THIRD PARTY AT ANY TIME.  
FOR LEGAL REASONS AND IN THE PROCESS OF LEGAL ACTIONS, DATA MIGHT BE PROVIDED TO RESPECTIVE AUTHORITIES.

Optionally specify your contact details for further enquiry

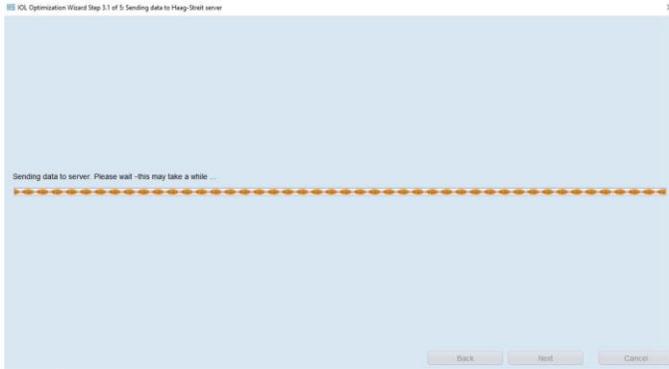
Contact name:

E-mail:

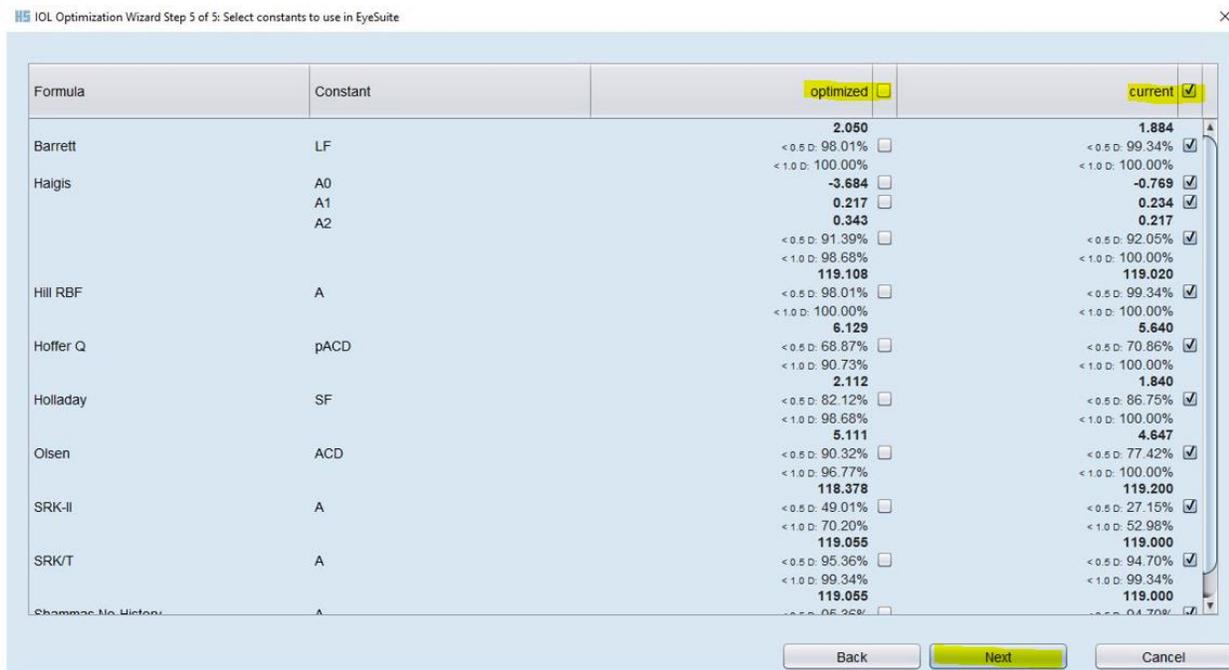
I have read and agree with the given terms and conditions for IOL constant optimization

Buttons: Back, Next, Cancel

16. A status bar will appear while the data is being transmitted to the server:



17. After transmission is complete, your newly optimized constants will appear next to the current IOL constants. At this time, you will have the option to either utilize the optimized constants or continue with your current IOL constants by selecting the appropriate box. Once you have made your selection, click on "Next":



18. The optimization process is now complete. If you opted to use newly optimized constants, a new revision date and version will appear under the calculation tab in the IOL editor for the optimized lens constants:

