

# Reichert 7CR Quick Reference Guide

## Patient Positioning & Alignment Guide

Perform the following steps to take a measurement of the patient's eye.

- 1 Set the height of the table so the canthus marks on the sides of the instrument are level with the patient's eyes. The patient should be seated comfortably and positioned in a way that enables them to lean forward without straining.

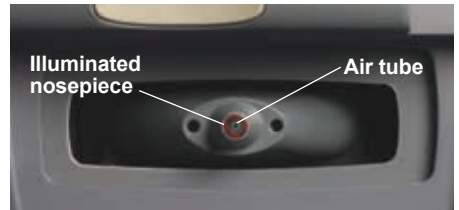
- 2 Slide the headrest fully to the left or right.

- 3 Have the patient locate the red LEDs surrounding the air tube and lean forward so that the center of their forehead rests firmly in the middle of the rubber forehead pad.



*Slide Headrest*

- 4 Make sure the patient is able to see all, or some, of the red lights. Explain to the patient that a green light will move into view during measurement. Ask the patient to blink a few times then hold both eyes open when the green light appears.



*Illuminated Nosepiece*

- 5 Touch the MEASURE or TRIPLE MEASURE icon to begin the measurement process.



**Proper patient alignment**  
(chin close to unit)



**Improper patient alignment**  
(chin moved away from unit)

**Note:** If the instrument is unable to complete its alignment and measurement process, it may be necessary to:

- Reposition the patient and obtain optimal alignment
- Ask the patient to remain still and try not to move
- Remind the patient to keep both eyes wide open and to move his/her chin as close to the instrument as possible.

⑥ During the positioning process, the operator's screen will change and look similar to the picture shown on the right. Once the positioning system is aligned, the airpuff is delivered to the eye and the reading is displayed on the screen.

⑦ After the measurements are completed for the first eye, instruct the patient to move their forehead away from the instrument.

There are several options available at this point:

- The Forehead Rest may be slid to the opposite side to take measurements on the other eye.
- The data can be printed by touching the PRINT icon.
- All data may be cleared and other measurements taken, by touching the CLEAR DATA icon.



*Measurement Process on LCD Screen*

## Definitions and Interpretation of the measurement values:

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- IOPg - Goldmann-correlated IOP. IOPg agrees, on average, with the results obtained from an expertly executed, properly calibrated Goldmann Applanation Tonometer.
- IOPcc - Corneal Compensated IOP. IOPcc takes the biomechanical properties of the cornea into consideration, providing an indication of intraocular pressure that is less influenced by properties such as corneal visco-elasticity and thickness.
  - When IOPcc is higher than IOPg, this indicates that the IOP for this patient may be being understated using traditional methods of tonometry.
  - When IOPcc is lower than IOPg, this indicates that the IOP for this patient may be being overstated when using traditional methods of tonometry.
- Score: An advanced signal "scoring" process is employed in the 7CR to objectively determine the reliability of the measurement data. On a scale of 0 to 10, the higher the score, the more reliable the measurement data.

## Icon Definition

