Measuring the intraocular pressure (IOP) not only in sitting, but also in supine position, may help to identify the 24-hour IOP characteristics of your glaucoma patient.

The Science behind the Tip

It is well known that each patient has an individual circadian IOP pattern. Studies have shown that up to two thirds of the peak values are found outside office hours\(^1\). IOP measurements seem to be more influenced by the body position than by the time of day: measurements taken in the sitting position do not vary significantly between night and day\(^2\).

Fogagnolo et al\(^3\) postulated that IOP measurements taken in the supine position during office hours could partially imitate the 24-hour IOP characteristics and should be integrated in the diagnostic procedures of glaucoma patients. Knowing the 24-hour IOP pattern of a patient is important because of the effect of long term IOP fluctuation on progression\(^4\).

References


