



Intraocular pressure (tonometry)

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Abstract

Tonometry is a diagnostic test that measures the pressure inside your eye, which is called intraocular pressure (IOP). This measuring will facilitate your doctor confirm whether you'll be in danger of eye disease. eye disease could be a serious disease during which there's AN exaggerated fluid pressure at intervals your eye. This exaggerated pressure will injury your cranial nerve. in step with office Senior Health, eye disease is possibly to occur in folks over the age of sixty and could be a leading reason behind cavity at intervals that age bracket.

Introduction

In most cases of eye disease, the fluid that ordinarily bathes and nourishes the attention drains too slowly, inflicting pressure buildup. while not treatment, that pressure will eventually damage your cranial nerve, inflicting a loss of vision. as a result of these changes at intervals your eye square measure usually painless, they'll progress for years while not you noticing.

Since eye disease will cause ultimate cavity if it's not treated, a tonometry check is vital for sleuthing eye changes early. If your check results return abnormal, your specialist can begin the treatment method, which might delay the progression of the illness.

What Is Tonometry?

Tonometry is an eye fixed check which will sight changes in eye pressure long before you'll bear in mind of them. the foremost common form of tonometry check is termed the "Goldman applanation tonometry check." for many years, it's been thought of the international gold customary for measurement IOP. There square measure different strategies of testing for eye pressure, together with an alternate form of tonometry known as "pneumotonometry," in addition as use of the Toon-Pen.

Pneumotonometry involves applying atmospheric pressure to your eye, victimization AN instrument that resembles AN air piston. The instrument blows a short puff of air at your membrane, measurement the pressure in your eye. If it shows abnormal results, your doctor can typically perform different tests to verify your diagnosing.

This check is sometimes thought of less correct than the Goldman applanation tonometry check.

The Toon-Pen could be a hand-held device that's formed sort of a giant marker.

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It provides a digital readout of eye pressure. Your doctor will use it to the touch your eye and live pressure. although helpful in several cases, the Toon-Pen is taken into account less correct than the Goldman measuring device in folks with traditional corneas.

Who needs a tonometry test?

Your specialist might order the anarchist applanation tonometry check if they think you'll be in danger of eye disease. If the air puff check or different eye tests indicate a possible downside, they'll raise you to travel through the tonometry check to verify or rule out eye disease.

According to the salad dressing Clinic, you'll be at higher risk of eye disease if you're African-American or Hispanic. you'll even be at higher risk if you:

- Are over sixty years previous
- Have a case history of eye disease
- Have polygenic disorder
- Have adenosis
- Have different chronic eye conditions or injuries
- Are myopic
- Have used sex hormone medications for prolonged periods of time

You might even be tested if you're experiencing symptoms, such as:

- A gradual loss of vision
- Tunnel vision
- Severe eye pain
- Blurred vision
- Halos around lights
- Reddening of your eye

All of those symptoms could also be signs of eye disease.

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