



Diaton Tonometer Review of Benefits Drs Mark Latina & Emil Chynn

ASCRS 2015, San Diego

- Mark Latina, MD

Massachusetts Eye & Ear Infirmary - Harvard Medical School Associate Clinical Professor of Ophthalmology, Tufts University School of Medicine Advanced Glaucoma Specialists, Reading, MA

- Emil W. Chynn, MD, FASC, Park Avenue LASEK, New York, NY

Emil Chynn was an undergraduate at Dartmouth College and attended medical school at Columbia University's College of Physicians & Surgeons (typically ranked the #1 medical school in New York State). He completed his residency at the world-famous Harvard University's Massachusetts Eye & Ear Infirmary, where he was on the teaching faculty of Harvard Medical School.

DIATON Tonometer Unique Transpalpebral Tonometry, Capabilities Revealed at ASCRS ASOA Congress in San Diego.

Diaton tonometer is the world's only Non-corneal and Non-contact tonometer used through the eyelid to quickly and painlessly screen for intraocular pressure for glaucoma without directly touching the cornea or requiring use of topical anesthesia. Drs Mark Latina & Emil Chynn are working with Diaton tonometer for a number of years and have done a number clinical trial. They were sharing on the experience with the use of the Diaton tonometer.

Live from the American Society of Cataract and Refractive Surgery Congress, ASCRS / ASOA 2015 held in San Diego.

Dr Mark Latina: I've used the device is now more than three years and it really integrates nicely to the clinical practice. I'd say device, which can be used by all of our technicians, they are easily trained on the device, it doesn't really require an ophthalmologist or a highly skilled specialist to do the procedure and it can be done on a patient in virtually any setting. And I think that's really quite important you don't even need to be in the exam room to do the procedure. This of course allows for the device to be used in non-ophthalmic or non-office space settings such as it being used in the third world countries and be used as a screening device.

Dr. Emil Chynn: We did a trial two centers, in my center in New York Mark's center in Boston, where we validated the device against Goldmann and also Tonopen and within the normal range of glaucoma pressures it's usually within 2 millimeters of mercury, which is quite accurate and in high pressures like in a high glaucoma patient it's typically within 10 %, which is also fine.

Question from the audience: *Dr. Chynn, what type what type of practice to you have in New York and how is this device is used in your office?*

Dr. Emil Chynn: I have a cornea refractive practice. We're doing only tertiary care, we're talking about a thousand laser vision correction cases a day and because we use sterile to prevent scarring we have to check pressure at all patients. It's kind of a little bit time consuming for MD's to do this sometimes we have the technicians to this and you're not going to have a technician do Goldmann's but you can have a technician to the Diaton, it adds a lot of efficiency to the practice, so the patients feel very comparable.

Question from the audience: *Doctor Latina, please, as a glaucoma specialist how do you think the equipment can provide advantages to the general practitioner in ophthalmology?*

Dr Mark Latina: Well I think that the, you know obviously it's easy to use and that's important and plus as we said don't require a technician, you don't require an ophthalmologist to perform the procedure. It allows again as Emil said, it allows somebody else to be to do that procedure, to get that measurement for you. So I think that's probably its main role. Obviously, as well patients with corneal disease and other issues when can't really do Applanation tonometry, this is a valuable asset. And we have a lot of patients with keratoconus, because I'm doing LASEK Laser vision correction, these days now I can cross-link them but you still have to have a good way to check the pressure on them and obviously, if that, have a way to do it not through the cornea.

Question from the audience: *I'm a technician and use some of the disposable equipment, which can be uncomfortable for the patients can you tell me how they compare?*

Dr Mark Latina: So this a device has no disposables and it doesn't even touch the eye. You don't even need an aesthetic, which is a plus and again there's no other disposables and you don't and not really making any contact with the cornea. So again, it's quite readily useful for variety of medical as well as even non-medical personnel.

For more information on Diaton Tonometer, contact

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