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The innovations and new technologies used in the diagnosis and treatment of glaucoma in Bolivia

The world of technological innovations is a great part of our lives today. In ophthalmology, new machines, or surgical modernizations appear almost every day, so it's a hard work to be continuously learning something new, and finding the equipment and novelties that will really improve our work and our patient's outcomes. Modern Spectral domain optical Coherence Tomography (SD OCT), Computerized visual field analyzers, are now and obligatory exam in glaucoma suspects or in control patients. The better communications and internet services, allow us to be learning the benefits of telemedicine, where new ophthalmologist can share their doubts and questions to experimented specialists, and this specialists, can share cases and doubts with investigation or referential centers even in foreign countries. The diagnosis and interpretation of Narrow angles, angle Closure and Plateau Iris are now clearer with the benefits of the Ultrasonic Biomicroscopy that allows us to see in vivo movements and physiological process like pupil dilatation, to understand mechanisms of these aggressive glaucomas. In the treatment, Selective Laser Trabeculoplasty (SLT) has proven to be an effective, cheap, and safe procedure for Open Angle glaucoma control and treatment, in almost any stage of the disease. The good results achieved with this treatment, has encouraged us to start the first Bolivian Program of Glaucoma Blindness prevention, with SLT procedure as a first line treatment in Santa Cruz de la Sierra, with excellent results in one year of controls. Modernization is a key factor to improve glaucoma control, and it can be done even in third world countries.

Biography

Manuel Jose Justiniano is the former President and Founder of the Bolivian Glaucoma Society, Bolivia. He has co-authored many articles in both peer reviewed and non-peer reviewed journals. Has presented in many international conferences and is a member of many reputed associations.

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