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[SOLX Introduces DeepLight Glaucoma Treatment System; First Combination Laser and Photo-Titratable Gold Micro-Shunt Therapy in Development at Boston University Photonics Center](#)

Boston -

BOSTON -- SOLX, Inc. will share its vision of a new glaucoma treatment system at this week's American Society of Cataract and Refractive Surgery (ASCRS) annual symposium at the Washington Convention Center in Washington, D.C. The DeepLight(R) Glaucoma Treatment System is the first of its kind to combine a Titanium Sapphire 790 nm laser with a photo-titratable gold micro-shunt to provide physicians the widest range of intraocular pressure (IOP) reduction options possible.

Preliminary results of ongoing DeepLight Glaucoma Treatment System studies will be presented during the New Glaucoma Surgery Symposium at ASCRS Glaucoma Day on Friday, April 15, 2005. Two independent pilot studies were recently presented to 1200 attendees at the International Glaucoma Society (IGS) meeting in Cape Town, South Africa, on April 2, 2005.

Gabriel Simon, MD, PhD, director of ophthalmic research at the Boston University Photonics Center, presented a pilot study in which the DeepLight Gold Micro-Shunt (GMS) was implanted in 47 eyes of 47 patients, followed from baseline to eighteen months. Using the shunt alone, the mean IOP decreased from 29.0 to 17.4 mm Hg and the average number of required medications decreased from 3.3 to 1.2. When the DeepLight 790 Titanium Sapphire laser was used to photo-titrate the GMS, additional IOP reduction of 1-3 mm Hg was achieved for each channel opened.

'This long-awaited concept of photo-titration -- allowing physicians to selectively open microtubular channels located on a biocompatible gold micro-shunt -- has the potential for unprecedented uveal scleral outflow and tremendous therapeutic benefit,' Dr. Simon stated. 'This platform may one day eliminate the need for painful and invasive trabeculectomy procedures.'

In a separate presentation, Shlomo Melamed, Director, Sam Rothberg Glaucoma Center, Goldschleger Eye Institute at Sheba Medical Center in Tel-Hashomer, Israel, shared the results of a randomized, controlled study comparing the DeepLight 790 Titanium Sapphire Laser with traditional argon laser trabeculoplasty. The DeepLight laser induced significantly less trabecular tissue damage than argon trabeculoplasty and IOP was reduced by 21 to 29 percent when compared to medication alone.

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'On its own, this new laser is a solid tool for the treatment of IOP,' said Professor Melamed. 'Used in conjunction with the gold micro-shunt, the therapeutic possibilities are truly remarkable.'

The DeepLight 790 Titanium Sapphire Laser has been in development for the past four years at the Boston University Photonics Center and is currently available in Europe, Canada and the Middle East. The DeepLight GMS Gold Micro-Shunt is pending CE clearance.

SOLX can be visited at booth 1359 at the Washington Convention Center in Washington, D.C. this week during the ASCRS annual symposium.

About SOLX

Based at the Boston University Photonics Center in Boston, Massachusetts, SOLX is a privately held company developing new approaches to glaucoma treatment. SOLX's DeepLight Glaucoma Treatment System is being developed to provide physicians with new tools to reduce intraocular pressure in glaucoma sufferers through its DeepLight Titanium Sapphire Laser, GMS Gold Micro-Shunt or a combination of both treatments. More information can be found online at www.SOLX.com.

About The Photonics Center at Boston University

The Photonics Center at Boston University identifies and develops technologies based on the practical application of light. The Photonics Center hosts a Business Accelerator program that enables emerging photonics technology companies to grow from idea to commercialization with greater speed and success. The Photonics Center provides an entrepreneurial environment that includes 20 laboratories, workspace for up to 20 start-up companies, and access to a range of equipment worth in excess of \$40 million. For more information, please visit www.thephotonicscenter.com.

Posted on:
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