

InFocusLook closer.
See further.NEWSLETTER - Issue 9

Welcome to latest issue of the Haag-Streit UK 'InFocus' newsletter



Firstly, I am delighted to say that we have enjoyed a very positive year thus far. Over the past few months, we have launched some exciting new products, as well as enjoying a very successful 2022 RCOphth Congress. We are also very pleased to be back to visiting customers face-to-face, following the welcome end of the COVID-19 pandemic restrictions.

Since the beginning of the year, we have launched the new slit lamp Imaging Module 910. The IM 910 has been designed to capture outstanding images while allowing eyecare professionals to fully-concentrate on examining their patients.

We have also launched the new Eyestar Anterior Chamber Suite which provides precise measurements, comprehensive data analysis, and excellent images of the anterior chamber. As the sole UK distributor for Nova Eye, we have been proud to launch the iTrack Advance in the UK. The iTrack Advance combines the clinically proven iTrack™ canaloplasty microcatheter with an innovative handheld injector design.

As well as these fantastic product launches, we thoroughly enjoyed meeting with customers and ophthalmic industry partners at the RCOphth Congress at the end of May. The highlight of the Congress for us was our exciting Eyesi Surgical Simulator competition. The gamification on the Eyesi Surgical Simulator allowed a fantastic opportunity to engage with delegates and for them to compete against their peers.

The positive aspects of the first half of this year have been balanced with some challenges. The development of the global economic and trade situation over the past two years, due to BREXIT and the pandemic, has resulted in extraordinary pressure on supply chains for many goods. The current political events in Russia and Ukraine have also exacerbated this situation.

Consequently, packaging, logistics and the costs for raw materials and certain high-performance parts have significantly increased. Additionally, timely procurement of essential components has become increasingly difficult, and regulatory requirements have increased.

Furthermore, you will be aware of recent reports from the Bank of England that UK

inflation is forecast to rise to 10% by Autumn, followed by a possible UK recession due to soaring energy prices.

Haag-Streit UK has built its reputation upon delivering the highest-quality ophthalmic diagnostic and surgical equipment and services, and is unwilling to deviate from this promise. We believe that this commitment represents a high-value proposition to our partners, customers, end-users, and patients.

Given the unique market challenges facing the global supply chains, in the coming months, and on certain affected product lines, it might be necessary for Haag-Streit UK to take the difficult decision to adjust its pricing accordingly to meet and manage these exceptional changes in the market. We value your continued support during these difficult times.

I hope you find the latest issue of the HS-UK 'InFocus' newsletter both interesting and informative and enjoy learning about the features and benefits of the new products we have launched so far this year.

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Dean Johnson Managing Director (CEO) Haag-Streit UK



Haag-Streit Imaging Module 910 Launched in the UK

HS-UK is delighted to have recently launched the Haag-Streit Imaging Module 910 in the UK.

The new Imaging Module 910 has been designed to capture outstanding images while allowing eyecare professionals to fullyconcentrate on examining their patients. It is instantly ready, by the turn of a knob, and does not require the use of any software. Capturing images is quick and simple, with just the push of a camera trigger button.



The new Imaging Module 910

The Imaging Module 910 is equipped with an improved camera sensor and superb optics. Smart features in the background include a performant auto-exposure mode and automatic aperture control, which guarantees great illumination at all times.

Additionally, the image selection algorithm chooses the best image

possible, resulting in a striking image with every shot.

The Imaging Module 910 can be used in different ways. In standalone mode, it stores images directly in the Electronic Medical Record (EMR) system and no extra software is needed. When working in EyeSuite mode, image editing and other features are also available.



Image taken on the new IM 910

Dean Johnson, HS-UK Managing Director, said, "We are really excited to launch the Imaging Module 910 in the UK. The speed and simplicity of the image capture, combined with the outstanding quality, offers a fantastic solution to the increasing demand for slit lamp documentation in clinics."

For more information about the Imaging Module 910, email <u>diagnosticsuk@haag-streit.com</u> or visit <u>https://hsuk.co/IM910</u>.

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Haag-Streit launches EyeSuite i9.10, including new driving perimetry test for the Octopus 900

Haag-Streit UK is pleased to announce the launch of EyeSuite i9.10 in the UK.

The new EyeSuite i9.10 software features a new driving perimetry test for the <u>Octopus 900</u> perimeter which adheres to European visual field requirements.

The European Driving Test (EDT) pattern, which complies with the EU Commission directive 2009/113/EC on driving licenses, has been developed in close co-operation with medical experts from Oslo University and The University of Liverpool.

Haag-Streit worked in collaboration with Øystein Kalsnes Jørstad, a researcher at the University of Oslo and Prof. Fiona Rowe from Liverpool University, to develop a standard perimetry test that adheres to the European visual field requirements.

Further information on this test can be found by reading the <u>paper</u>, 'A traffic perimetry test that adheres to the European visual field requirements.'

The Eyesuite i9.10 software also offers software updates for the Lenstar 900 to increase the speed of data visualisation and IOL calculation. Lenstar Myopia customers will benefit from the introduction of trend analysis for more parameters. It will also now support Microsoft Windows 11.

For more information about the EyeSuite i9.10 or the Octopus 900, email <u>diagnosticsuk@haag-streit.com</u> or visit <u>https://hsuk.co/octopus</u>.



Haag-Streit launches the Eyestar 900 Anterior Chamber Suite

HS-UK is pleased to announce the launch of the Eyestar 900 Anterior <u>Chamber Suite</u> (AC-Suite) to complement the established Cataract Suite and meet the growing demand for improved outcomes, both in cataract and refractive surgery.

The Eyestar 900 is based on futureproof technology: swept-source OCT. It offers versatile tools for both cataract and refractive surgery, in one fully-automated device. Its new Anterior Chamber Suite provides precise measurements, comprehensive data analysis, and excellent images of the anterior chamber. This enables the surgeon to accurately diagnose, plan surgical procedures, predict outcomes, and control the intervention efficacy of anterior chamber surgery.

The Anterior Chamber Suite boasts Class A-topography to 12mm diameter of the anterior and posterior surface of the cornea. Furthermore, it provides high quality 18mm diameter OCT images of the anterior chamber, including the crystalline lens, for visual inspection of key structures, such as lens position, ICL vault* and chamber angle*. Its corneal topography feature set includes difference and trend views for maps and indices, as well as sophisticated screening aids for corneal ectasia*. The integrated Belin ABCD grading system* provides the user with intuitive data for efficient keratoconus screening and progression assessment.

Other tools include Zernike wavefront analysis of the cornea and vision simulation for patient education. Intuitive displays, such as difference or trend views, support the user in the diagnostic process (e.g., assessment of corneal ectasia and keratoconus). This comprehensive information set allows the user to easily verify any measurement and identify anatomical anomalies that may interfere with planned surgical procedures.

It provides all these measurements in one procedure, on a single device. This fully-automated measurement process allows for easy delegation, optimises workflow, and enables the user to acquire precise measurements and imaging data of both eyes, in under 40 seconds.

The Eyestar 900 uses patent-protected Mandala scan technology, which is designed for highly precise data acquisition. Unlike classic radial or line scans, that scan any point only once, (besides the apex), trajectories of the Mandala scan are aligned in an interwoven and highly dense pattern, both in the centre and in the periphery. This, combined with the OCT inherent

motion compensation, results in a fully-detailed and highly precise three-dimensional data set.

Unique to the Eyestar 900, the user can create radial scans or line scan stacks, as well as individual B-scans, any time after the data acquisition, and at any location of the 18mm OCT scan volume previously acquired. This unique feature eliminates the need for time-consuming rescans if a new cross-section is required.

In addition to the new Anterior Chamber Suite, the Eyestar 900 already boasts an established <u>Cataract Suite</u>, which enables the acquisition of all measurement data necessary for state-of-the-art cataract planning. Equipped with this information, the eye care specialist may improve outcomes in cataract surgery, quickly and reliably diagnose diseases, and fully document the eye status.

As the leader in innovative devices for modern refractive cataract surgery, Haag-Streit is constantly developing new modules and suites. Imminent new <u>EyeSuite software</u> releases include integrated Belin keratoconus screening with ABCD grading system*.

If you would like further information on the new Eyestar AC Suite, visit <u>www.haagstreituk.com/eyestar</u>

*Available in a future Eyesuite software release



Haag-Streit Diagnostics announces the 4th 'Slit Lamp Imaging Competition'

Haag-Streit is pleased to announce the launch of the 'Slit Lamp Imaging Competition 2022'.

Following successful competitions held in 2019, 2020 and 2021, the 'Slit Lamp Imaging Competition 2022' gives eyecare professionals across the globe an opportunity to showcase their slit lamp imaging skills. Judging criteria will include image quality, technical execution, and disease interest.



Last year's second place image by Utpal Sarka, 'Free iris cyst (history of trauma)'

Haag-Streit is offering a host of fantastic prizes for the first three places. In addition to receiving the highly coveted 'Slit Lamp Imaging Competition 2022' trophy, the winner of the competition will also be featured in an ophthalmic journal and will receive a Sony Alpha 7 IV Kit (2870 mm, 33 Mpx, Full frame). 2nd place will receive a Nikon Z fc Double Zoom Kit (16-50 mm, 20.90 Mpx, APS-C/DX) and 3rd place a Peak Design Everyday Backpack (20L).

Haag-Streit slit lamps are renowned for their optical brilliance and can capture the most stunning clinical images. This is the 4th year that Haag-Streit has run the competition.

Last year's winner was Dmitrii Samsonov from the Irkutsk branch of the Federal State Institute of Ophthalmic Microsurgery S. Fyodorov in Russia, with his outstanding image "Gentle Touch - post-traumatic vitreous prolapse with corneal fixation". 2nd place went to Utpal Sarkar, Disha Eye Hospitals pvt Ltd., and 3rd place to Seraina Tanno, Augenklinik Luzerner.

The competition is open until 12th August 2022. Applicants should send their images to <u>hsimagingcomp@gmail.com</u>. Participation terms, and rules and regulations can be found <u>here</u>.

For more information on the Haag-Streit 'Slit Lamp Imaging Competition 2022', visit <u>https://www.haag-streit.</u> com/imaging-competition.



Haag-Streit Simulation Eyesi Slit Lamp Gonioscopy Module launched in the UK

HS-UK is pleased to announce the launch of the Eyesi Slit Lamp gonioscopy module in the UK.

The new gonioscopy module offers trainees visualisation of the iridocorneal angle, as well as examination training for the anterior and posterior segment of the eye.

Pathologies available in the new gonioscopy module include; pseudoexfoliation syndrome, iris nevus, iris melanoma and elevated venous pressure. Users can also practice grading of the chamber angle with the Shaffer-Kanski grading system and Spaeth classification system.

The Eyesi Slit Lamp training courseware allows trainees to examine virtual patients with both healthy eyes and clinically relevant pathologies. These cases are based on real patients, have detailed clinical case histories and have been reviewed in close cooperation with university eye clinics. The new gonioscopy module will complement and enhance the existing fundoscopy and anterior segment training the Eyesi Slit Lamp offers.

The Eyesi Slit Lamp, from Haag-Streit Simulation, is a high-end diagnostic training simulator for ophthalmologists and optometrists. Trainees can examine virtual patients with the biomicroscope, fundoscopy lens and gonioscopy lens.

For more information about the Eyesi Slit Lamp, please email <u>eyesi@haag-streit-uk.com</u> or visit <u>https://hsuk.co/EyesiSlitLamp</u>.



Study shows highest IOL prediction accuracy for Hill-RBF 3.0

A recently published study shows that Hill-RBF 3.0 performs better at predicting refractive outcomes in cataract surgery than any of the other formulae assessed.

To analyse refractive outcomes in cataract surgery, Dr. Adi Abulafia, and his team at the Shaare Zedek Medical Center, Jerusalem, Israel, recently conducted a study comparing commonly used IOL calculation formulae.

In this <u>study</u>, published in the Journal of Cataract & Refractive Surgery (JCRS), the Hill-RBF 3.0 has shown to perform significantly better than its predecessor. According to Dr. Adi Abulafia 'The new Hill-RBF 3.0 formula showed high and similar prediction accuracy for both the optical lowcoherence reflectometer and the SS-OCT biometry devices and performed significantly better than its previous version, the Hill-RBF 2.0 formula.'

The above graphic shows an extract of the data published in the JCRS and illustrates the superiority in IOL prediction of the Hill-RBF 3.0 formula to achieve refractive outcome of \pm 0.5 diopters.

IOL data from all over the world, collected by leading cataract surgeons, is the foundation for the Hill-RBF method. This big data is analysed by pattern recognition based on artificial intelligence leading to highly accurate IOL predictions and providing confidence, thanks to a unique reliability check. Hill-RBF is the only IOL power calculation method providing an out-of-bound message, a confidence marker when it comes to an IOL power collection of an extreme case, i.e., extremely long, or short eyes.

Committed to further improve refractive outcomes, Dr. Warren Hill and Haag-Streit have constantly been developing the unique Hill-RBF method by adding more high-quality biometry and surgical outcome datasets, thus refining the prediction accuracy. These efforts have resulted in the development of Hill-RBF 2.0, and the recent release of Hill-RBF 3.0.

Hill-RBF 3.0 is integrated into EyeSuite IOL software, which is uniquely built into Haag-Streit's Lenstar optical biometer and Eyestar complete swept-source OCT-based eye analyser. Measurement data from these respective devices are automatically transferred, and no manual entry is needed, thus saving time, and avoiding transcription errors.

You can read the abstract of the study <u>here</u>. For further information on Hill-RBF, please visit the Haag-Streit UK <u>website</u>.



Haag-Streit UK launches the PolyVent[™] cannula range in the UK

Haag-Streit UK is pleased to announce the launch of the PolyVent[™] cannula range from MedOne.

The new Cannulas are available in 23g or 25g with a 38g, 5mm long fixed or extendable/retractable tip. The extendable feature allows easier insertion through valved cannulas and utilises a thin walled, low dead-space infusion tubing to minimise waste of the injectable, ensuring it is more cost-effective.

All the tips are green polyimide for increased visibility. This is particularly useful under the retina, contrasting with the colour of the choroid. Multiple vents along the tubing provide fast pressure release.

The PolyVent[™] Cannulas combine the unique qualities of the Dual Bore Cannulas, coupled with the features of the subretinal PolyTip[®] Cannulas, passively releasing BSS.

This offsets the pressure increase caused by the subretinal injection, thus lessening the pressure upon the 'bleb'. MedOne feel that this should equalise the IOP and will likely reduce the reflux of the drug ensuring that it is more costeffective.

For more information on the MedOne cannula range of products, please visit https://hsuk.co/MedOneCannulas.



HOYA Lens UK & Haag-Streit UK Partner to Combat Myopia

Haag-Streit UK has recently announced a strategic partnership with HOYA Lens UK.

This UK affiliation follows a global sales and marketing agreement creating a preferred partnership between HOYA Vision Care and Haag-Streit to provide Eye Care Professionals (ECPs) with <u>LENSTAR</u> <u>Myopia</u> by HOYA to provide diagnostics and treatment for myopia. This collaboration is part of a shared mission to address the global rise of myopia in children.



The LENSTAR Myopia by HOYA, which is based on the proven technology of the high-precision Lenstar 900 optical biometer and the corresponding EyeSuite myopia management software platform, provides information and education

to patients and their parents about myopia and its progression.



This, combined with HOYA Lens UK's easy to prescribe MiYOSMART spectacle lens, creates a strong one-two approach to diagnose and manage myopia. Launched in 2020, the MiYOSMART lens uses revolutionary Defocus Incorporated Multiple Segments (D.I.M.S.) Technology, clinically proven to slow down myopia progression on average by 60% in children ages 8-13.

Myopia, or short-sightedness, is a growing global health concern with industry experts predicting nearly 50% of the world's population to be impacted by 2051. "Hoya is on a mission to curb global myopia and, in order to support Eye Care Professionals in the effective management of this condition, it makes perfect sense to partner with gold standard equipment supplier Haag-Streit UK", said Andy Sanders, Professional Services Director, HOYA Lens UK.

"This agreement creates preferred partner status between the two companies to provide diagnostics and treatment for myopia to as many ECPs as possible in the UK and Ireland, as myopia continues to rise," Andy continued, "The rate of myopia seen in children in the UK is 23%, based on recent studies."

Speaking of the global sales and marketing agreement. Thomas Bernhard, CEO of the Haag-Streit Group added, "Haag-Streit is pleased to enter into this strategic partnership with HOYA Vision Group. We are convinced that with this seamless intersection of the LENSTAR Myopia by HOYA and the MiYOSMART spectacle lens treatment protocol, we can together make a valuable contribution to combating the worldwide progression of myopia."

For further information, please email supportingyou@hoya.co.uk or, visit <u>https://hsuk.co/LenstarMyopiaHOYA</u>



Haag-Streit Academy to host live Basic Slit Lamp & Slit Lamp Imaging Courses

HS-UK is delighted to confirm that Haag-Streit Academy will be hosting a 'Slit Lamp Basic Skills Course' and a 'Slit Lamp Imaging Course' at the Haag-Streit Academy Training Facility in Harlow on 13th and 14th October 2022.

The 'Slit Lamp Basic Skills Course' will feature advice from product experts on how to get the most from your Haag-Streit slit lamp.

The course programme includes lectures on topics such as; 'History & introduction to the slit lamp', 'The general eye examination' and 'Tonometry principles & calibration check'.

The aim of the 'Slit Lamp Imaging Course' is to provide attendees with a detailed overview of this highly-skilled ophthalmic imaging discipline. The day will include lectures and demonstrations delivered by slit lamp imaging specialists and HS-UK product experts. The agenda will cover a range of topics, including an introduction to the new Imaging Module 910 and the Eyesi slit lamp virtual reality simulator.



Both courses will include practical, hands-on workshops with live subjects, covering topics including; 'Diffuse, focal & indirect illumination & retro illumination' on the 'Slit Lamp Basics Skills Course' and also 'Image capture & manipulation' on the 'Slit Lamp Imaging Course'. Delegates will be able to claim 6.5 CPD points for their attendance on each day.

Grahame Wood, HS-UK National Sales Manager, said, "We are delighted to be able to start welcoming people back to our Haag-Streit Academy courses. The practical workshops we offer delegates on each day, give the opportunity to gain valuable hands-on experience with the different slit lamps and to learn from slit lamp experts."

Grahame continued, "We are also very excited to be able to offer attendees the opportunity to see our Eyesi Slit Lamp simulator in action. This will be the first time we have been able to integrate this fantastic teaching tool into one of our courses. The device offers really valuable experience and learning opportunities for both beginners and more experienced slit lamp users."

The cost of each course is just $\pm 100 + VAT$ and lunch is included in the price.

For further information on the courses, please email <u>academy@</u> <u>haag-streit-uk.com</u>ortobookyour place now, please visit <u>https://</u> <u>hsuk.co/HSacademyevents_</u>



HS-UK enjoy a successful RCOphth Congress 2022

HS-UK enjoyed a successful Royal College of Ophthalmologists (RCOphth) Annual Congress on 23rd - 26th May 2022 at the Scottish Event Campus (SEC) in Glasgow.

HS-UK showcased some new and recently-launched devices, including the Eyestar 900 OCT-based eye analyser with the new Anterior Chamber Suite and the new Imaging Module 910 (IM 910). The HS-UK Team completed many demonstrations of these new devices during the event.

The new iTrack Advance was also available on the HS-UK stand to showcase to attendees. The iTrack Advance combines the clinically proven iTrack[™] canaloplasty microcatheter with an innovative handheld injector design.



iTrack Advance

The Eyesi Slit Lamp and Eyesi Surgical VR simulators were very popular with delegates and staff providing many hands-on demonstrations at the Congress.

HS-UK ran an Eyesi Surgical simulator competition which gave contestants an

opportunity to test their cataract and vitreoretinal skills to win a daily prize. The competition was a huge success with over 80 entries over the 4 days.

Other products available on the stand included the SOLIX multi-modal OCT device, TT multispot laser, and the John Weiss range of 'gold-standard' surgical instruments.

Victoria Chapman-Brown, HS-UK Events Co-ordinator, said, "We have had a great RCOphth Congress this year and really enjoyed meeting with customers face-to-face again. The Eyesi Surgical Simulator competition added a real element of fun to the HS-UK stand and we were delighted to have the opportunity to showcase our fantastic new products to attendees."



An RCOphth delegate enjoying the Eyesi Surgical Competition

If you missed the RCOphth Congress and would like further information on any of HS-UK's product portfolio, please call HS-UK on (01279) 883807 or visit www.haagstreituk.com



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Haag-Streit UK launches the iTrack™ Advance in the UK; the next generation canaloplasty device for glaucoma

HS-UK is pleased to announce the launch of the iTrack[™] Advance in the UK.

The iTrack[™] Advance, from Nova Eye Medical, is a next generation canaloplasty device for glaucoma. It builds on the legacy of the Company's proprietary iTrack[™] device which has been used in more than 100,000 canaloplasty procedures globally.

Canaloplasty is a surgical treatment for glaucoma that is designed to re-establish the function of the conventional outflow pathway, the primary drainage pathway in the eye responsible for regulating the outflow of aqueous fluid. This contrasts with traditional glaucoma surgical treatments that bypass or remove a portion of the conventional outflow pathway.

According to Managing Director of Nova Eye Medical, Tom Spurling, there has been a marked increase in interest in canaloplasty from both surgeons and the wider industry over the past 12-18 months. Mr Spurling commented, "An implant-free procedure that preserves the trabecular meshwork for subsequent procedures, canaloplasty offers significant utility to surgeons and their patients. The introduction of the iTrack Advance™ underscores our commitment to grow the canaloplasty field."

The iTrack[™] Advance features the proprietary illuminated fiber optic tip of the original iTrack[™] device, which allows the surgeon to continuously monitor the location of the device in Schlemm's canal. It also features a proprietary guide-wire mechanism that enables the

microcatheter to catheterise up to 360 degrees of the canal in a single intubation. The new iTrack[™] Advance device is designed to improve the overall efficiency of the canaloplasty procedure. Nova Eye expects the introduction of iTrack[™] Advance to drive increased surgeon uptake of the canaloplasty procedure by cataract surgeons and comprehensive ophthalmologists.

Tom Spurling, Managing Director of Nova Eye, said, "Canaloplasty is globally recognised as a highly effective treatment option for glaucoma. The intricacies of the procedure, however, which have included manual intubation of the microcatheter through the canal using forceps, previously limited its adoption by a broad cross section of surgeons."

Mr Spurling continued, "We see iTrack™ Advance being readily adopted into the glaucoma toolkit of cataract surgeons and comprehensive ophthalmologists. This will ensure improved access to the canaloplasty procedure for a greater number of glaucoma patients worldwide."

Grahame Wood, HS-UK National Sales Manager, said, "We are really excited to launch the iTrack[™] Advance into the UK market. The new easy-to-use handpiece makes the canaloplasty procedure faster and easier to perform, improving efficiency."

For more information about the iTrack™ Advance, email <u>surgicaluk@haag-streit.com</u> or visit <u>https://hsuk.co/iTrackAdvance</u>.

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