



of putting the patient first



# VISION

with *Attitude*

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### A WORD FROM THE FOUNDER

*MI 30th anniversary a milestone amid serious challenges.*

Unbelievable how time passes by! This is what we socially repeat as a pretext for how we got here so fast. For me, the last 30 years have been quite a journey, and I recount & cherish every minute. The first days of being back can never be erased from my memory, from having left a secured job in

CANADA; a country I loved, to an adventure in Lebanon, where the war has left huge scars visible in destruction everywhere with no infrastructure on all levels. My entrepreneurial spirit was tested every minute, but my resolve was big; hence, with persistence and perseverance, here is where we got.

We are living in a region with incredible possibilities. Our demographics are amazing, with the majority of the population being quite young. The economic performance of our high GDP markets balances up with the ones that are less fortunate, and I can say we are equally lucky with incredible human potential that, along with advanced training, makes top leadership.

This issue will be dedicated to celebrating and commemorating those 30 years. We will tell stories, share achievements, and take you back through three decades of fun and accomplishments.

Big thanks to everyone who is accompanying this dream and mission, and huge appreciation for your trust and friendship.

Your colleague, partner & friend,

**Walid G. Barake**

President & Founder

COLORVISION®  
by PFÖRTNER

**New  
Colors Have  
Just Landed!**

VISIT OUR  
WEBSITE



**MEDICALS**  
INTERNATIONAL





## ●●● Impressive Standards: A Visit to Vision Hitech!



**Elia Al Sourì**

Director, Executive Office  
Medicals International

I had the great pleasure and privilege to visit Vision Hitech VHT our manufacturing arm in Brazil earlier this year and I was extremely impressed by what I have experienced in terms of high standards in the way VHT is run and I like to take this opportunity to highlight to all colleagues and partnering customers that the manufacturing of COLORVISION follows strict guidelines of Quality Control and Manufacturing Processes.

I am pleased to report that our manufacturing site holds various licenses and certifications, including ISO 13485:2016 (Medical Device QMS) and EC CERTIFICATE (Full Quality Assurance System, according to MDD) for product quality and safety assurance, both certified by DNV, and the Health Certificate issued by ANVISA (Brazilian Health Regulatory Agency). These accreditations validate our adherence to strict regulatory requirements and demonstrate our unwavering commitment to producing safe and reliable products.

The team at VHT, led by Cristina Tinoco an expert in the field, consists of highly skilled artisan along with dedicated and committed professionals with expertise each in his/her area of specialization.



Looking ahead, we are already preparing ourselves for future regulatory changes by transitioning from MDD to MDR compliance (CE mark). This proactive approach reflects our commitment to staying ahead of industry developments and ensuring continued compliance with evolving standards.

I am confident that our commitment to excellence at VHT will continue to provide you with the best colored lens out there to sell and promote.

***COLORVISION is made with excellence rest assured of that.***

## ●●● Making a Difference in Children's Lives

*For over 16 years, Medicals International Corporation has been a dedicated partner of the Children's Cancer Center of Lebanon (CCCL). Their unwavering support, totaling \$74,979 since 2008, has played a vital role in our mission to provide life-saving treatment to children battling cancer.*



*While donations are pooled to address the most pressing needs of our patients, the cumulative impact of Medicals International Corporation's generosity is undeniable. Their contributions have helped cover a significant number of critical treatment courses, offering hope and a chance for a healthy future to countless children.*

*We at CCCL are incredibly grateful for Medicals International Corporation's commitment to our cause. Their ongoing support allows us to continue providing essential medical care to children battling this serious illness. Together, we are making a real difference in the lives of children and their families.*

**Children's Cancer Center  
of Lebanon (CCCL)**





## ●●● From Desolation to Restoration: Crafting a Greener Future!



**Perla Maria Doumit**

Medicals Marketing, Quality  
& Regulatory Affairs Manager  
Medicals International

As part of the commencement of Medicals International's 30th anniversary celebrations, marking three decades of growth, innovation, and steadfast commitment to our industry, we are excited to share our green initiative; "From Desolation to Restoration: Crafting a Greener Future."

In this scope, Medicals International has fully deployed its resources to plant a vast land of cedars within Al-Shouf Cedar Biosphere Reserve.

This reserve represents the largest among Lebanon's nature reserves. It accounts for a quarter of the remaining cedar forests in Lebanon, and some of the of the trees are estimated to be 2,000 years old.

The Cedars of Lebanon hold great cultural, historical, and ecological significance. These majestic evergreen trees have been revered for centuries and are prominently featured in the country's national emblem.

Going back to our initiative, the benefits of reforestation are numerous and far-reaching. Trees play a crucial role in mitigating climate change and combating global warming through the absorption

of carbon dioxide, for example. It is through reforestation that we contribute to the preservation of biodiversity. In fact, forests are home to countless species of plants, animals, and insects, many of which are unique and irreplaceable.

Moreover, this phenomenon plays a vital role in the maintenance of the water cycle and the prevention of soil erosion.



On a personal level, I was considerably impacted by nature's wonders when I visited Al-Shouf Cedars Biosphere Reserve, our plantation site. I got to see rare and extinct species that were once residents of this land. An honorable mention would be the ibex, an animal that disappeared almost two centuries ago. Al-Shouf Biosphere Reserve Committee has imported these species from Jordan to allow them to breed and reproduce, gaining back their territory.

## ●●● Explore Your Career Opportunities At Medicals International



**Mostafa Farid**

Director of Ophthalmology  
Associate Managing Director - Egypt  
Medicals International

As a Medical Doctor, my career experience at Medicals International started back in 2018 with an opportunity to challenge my knowledge and clinical skills by introducing the most advanced surgical technologies in the Ophthalmic Medical Device industry to university professors in the operating rooms of the most regarded hospitals across Egypt and Lebanon. Taking advantage of Medicals International's regional coverage is another opportunity to expand my exposure through different markets and to gain the

experiences from working in different cultures.

Medicals International has been and will always be eager to invest in developing the career of its stakeholders - employees as I was one among other colleagues honoured by another opportunity to advance my education by pursuing master's degree in executive business administration (E-MBA) at the prestigious Suliman Olayan Business school at the American University of Beirut, one of the highest ranked universities in the MENA region.

This perspective widening experience is truly aspiring and another opportunity to enhance my career by implementing and aligning the knowledge gained with Medicals International's objectives.



## ●●● Building Bridges: MecoMED's Impact on Healthcare Cooperation



**Perla Maria Doumit**

Medicals Marketing, Quality  
& Regulatory Affairs Manager  
Medicals International

Established in 2009, MecoMED is a medical device, imaging, and diagnostic trade association serving as the voice of international medical technology manufacturers and their partners across the Middle East and Africa.

This NGO plays a vital role in promoting innovation, collaboration, and ethical practices within the healthcare sector. In fostering partnerships between industry stakeholders, MecoMED strives to improve patient outcomes, drive economic growth, and shape healthcare policies and regulations in the Middle East and Africa.

Becoming a member of MecoMED marks a significant milestone for our company and demonstrates our

commitment to excellence in the healthcare industry as well as our adherence to the most ethical business practices that MecoMED preaches about.



Most importantly, being a MecoMED partner enhances our credibility and reputation within the healthcare industry. It reflects positively on critically important institutional clients, partners, and stakeholders and reinforces our dedication to best business practices as well as our commitment to the highest standards of quality practice, ethical dealing on all levels, and full regulatory compliance.

Now, we have a stronger voice in shaping healthcare policies and regulations in the region.

## ●●● The Journey of My Fellowship at AUBMC Sponsored by MI



**Jeremiah Gendy**

FICO, MRCSEd, MSc, MBBCh  
Refractive surgery Fellow AUBMC

After finalizing my Master's degree in Ophthalmology at Ain Shams University in Cairo and my residency at the National Eye Center in Cairo, I had a great opportunity to be part of the refractive surgery fellowship at the AUBMC under the supervision and guidance of a world-renowned refractive surgeon, Prof. Shady Awwad.

I have been exposed to a new world of refractive surgery, starting with topography and tomography. From diagnosing very subtle changes in topography to perfecting your refractive surgery results and long-term patient satisfaction, these machines can do so much more.

Many training programs lack sufficient exposure to refractive surgery. By being in a program exclusively dedicated to refractive surgery, I have been able to maximize my learning experience.

It has also been my privilege to be trained in areas where training opportunities are scarce, including therapeutic refractive surgery, such as Corneal Allogenic Intrastromal Ring Segments (CAIRS) as well as Wavefront-Guided Trans-PRK (WG-TPRK) for patients with Keratoconus.

I also had the opportunity to participate in cutting-edge research and technology. Finally, embarking on this fellowship program is a captivating adventure that promises personal growth, professional development by shaping my career and paving the way to future opportunities that wouldn't be possible without this fellowship.

As a result of the fellowship program sponsored by Medicals International at the AUBMC, Medicals International is elevating refractive surgery to a whole new level.





## ●●● Medicals International and CooperVision 1994 – 2024



**John Quenby**

Commercial Director of CooperVision  
Distributors

*Incredibly, CooperVision and Medicals International started their partnership back in 1994.*

Things were simpler in those days! After a short discussion between Jim Welch and Walid Barake, an agreement was made in relation to Ocular Sciences contact lenses.

Of course there have been many changes along the way. Notably in 2005 Ocular Sciences was acquired by CooperVision, which today has become #2 in the global Contact Lens market.



Medicals also diversified into associated areas of business. Our approaches to doing business do not stand still: we have strived to adapt the business and relationship to the new reality in the Middle East market whilst always adhering to best business practises. Our collaboration with Medicals International and with our partners worldwide today means that CooperVision contact lenses are available to Patients everywhere to help them see each and every day.

Business partnership is about sharing. Sharing knowledge, expertise and responsibility. Also significant are personal relationships. Throughout our journey together these have always been truly valued.

They underline the fact that ultimately, business is about people. As a result, enduring friendships have been formed that go above and beyond the daily business.

So today, we look forward to a bright future ahead with new friendships to be made, old friendships to be cherished, and to reach new and greater levels of partnership!

## ●●● Milestone Anniversary: Medicals - Oertli



**Thomas Bosshard**

Co-CEO / Co-Owner,  
Oertli Instrumente AG

As we celebrate the 30st anniversary of Medicals International, it is with great pleasure that I reflect on the enduring partnership between Medicals and Oertli. Since the late nineties, our alliance has flourished, establishing Oertli's significant presence across the Middle East, notably in Lebanon, Egypt, and the expansive Saudi Arabian market. Thanks to Medicals, Oertli is now represented in well over ten countries within the EMEA region.

Year after year, Medicals has impressed us with its exceptional level of service, product expertise, and customer intimacy. The strong customer focus and pursuit

of advanced technology, achieved through the visionary leadership of founder Walid G. Barake, have positioned Medicals as a pivotal commercial partner in the distribution network of Oertli Instrumente AG.

We extend our heartfelt congratulations on this milestone anniversary and express our profound gratitude for the trustful and amicable collaboration. Happy Birthday!



**oertli**<sup>®</sup>  
S W I T Z E R L A N D



## ●●● Advancing Eye Care: Celebrating 30 Years with Medicals International



**Frank Ziemer**

Founder, President & CEO  
Ziemer Group

As Medicals International celebrates its 30th anniversary, Ziemer Ophthalmic Systems AG congratulates our esteemed partner on this significant milestone.

Our partnership in the Middle East has been pivotal in delivering advanced ophthalmic solutions to healthcare professionals in the region.

Through Medicals International's distribution and support services, we have successfully provided cutting-edge technologies to enhance patient care and outcomes.

Together, we have made a meaningful impact in the field of eye care. We look forward to continued collaboration and success as we work towards our shared vision of transforming ophthalmic healthcare in the Middle East.

Congratulations to Medicals International on 30 years in business.



## ●●● Building Futures: The EVO ICL Revolution



**Elie El Moujabber**

Area Manager - Middle East & Africa

We are not selling a medical device but we are selling hope of a better life without constraints".

This is the creed that has been the bond between STAAR Surgical and Medicals International, it started 28 years ago with the first EVO ICL implant in the Middle East.

Back then, Laser based surgery was the innovation every patient and doctor coveted, so swimming against the current was a risk. A risk that Medicals took wholeheartedly and what started as one single implanted lens became more than 100,000 lenses now.

The process wasn't easy, doctors needed to be convinced with the safety and efficacy of EVO ICL and afterwards convinced to use it in various powers not just when Lasik wasn't an option. The road was long and challenging but we celebrated milestone after milestone.

Personally, I viewed this journey as part of Medicals International and then as part of STAAR Surgical. Coming from the gloomy part of medicine where death was a daily staple, I was quite happy to learn all aspects of refractive surgery where more often than not, there's a solution for the patient's problem.

I still can't forget the delight of my first EVO ICL implantation that was in Muscat, Oman with Dr. Tamer Gamaly, where the patient was so ecstatic to be able to see his daughter's face, with all its details, from the window of the OR afterwards.

I can list hundreds of similar cases and the constant is the same: "We think of the patient first!", something that Medicals are adamant to follow meticulously.

From Cyprus, to the Levant and to the GCC, the partnership is solid, helping hundreds of young and established doctors with a dedication to training and a hands-on approach, along with thousands of patients that seek and deserve our extraordinary technology, true visual freedom.

I would like to wish Medicals International a happy 30th birthday and here's to another 30 years of not being afraid of being different, distinguished and at the avant-garde of the industry.



## ●●● Better Quality of Life For Patients!



**Domenic Planta**

CEO at SCHWIND eye-tech-solutions GmbH

At SCHWIND, our vision is to provide “better quality of life for patients”. With this vision in mind, we believe in creating success, for the patient, for our customers, end users and all our business partners in enabling the best refractive treatments with our devices. Therefore, we choose the right distribution partners who can live up to SCHWIND values and represent our brand duly. The commitment to “thinking of the patient first”, based on best practices and quality, at Medicals International played a key role in fostering our partnership with them over the years.

The foundation of this partnership was laid in the year 2008, and since then the journey together has been enriching. While SCHWIND continuously launched innovative technologies, Medicals International helped these technologies reach the farthest distance with top rated service support. This combination provided the foundations for countless happy patients. Over the years, we have both mutually

benefitted from our business relations and expanded to a scale that we never imagined in the beginning. Today Medicals International has increased our reach to more than 17 countries across Middle East, Africa, and even parts of Europe.

Technology alone is incomplete without the right customer service, and this is where Medicals International synergizes our strengths. The team of highly qualified engineers and medical specialists make sure that the expectations of our customers are met and often surpassed. From product demonstrations to installations and maintenance, we are convinced that SCHWIND users are in safe hands under the care of Medicals International.

“We have a strong product pipeline coming up in the future and to make these products and technology accessible to our customers and ultimately to patients, we look forward to strengthening our ties with our distributors and take them along in the journey ahead. In other words, our collaboration with Medicals International is set to bolster up as we leap into a robust future together”, says Domenic von Planta, CEO at SCHWIND eye tech solutions. “Thank you Walid and team for an amazing collaboration over the past 16 years! Let’s build a successful future together!”

## ●●● 30 Years of Partnership with Medicals International



**Andrew Geddes**

Vice President, Commercial – Europe, Middle East, Africa & India

At Glaukos, we work in close cooperation with our “Distribution Partners”. To this end, we have worked closely in our “distributor partnership” approach from Glaukos with the Medicals International team for over 5 years, and our successful relationship continues to prosper.

Medicals have a very similar culture to our principals and core values within Glaukos: to focus on offering our customers continuous training and supporting surgeons to achieve the optimum outcome for their patients.

At Glaukos and at Medicals International, both companies share the focus of educating our customers and supporting them in both the operating room

and also supporting our business stakeholders to overcome coding, coverage, and payment challenges that present when a disruptive technology is first launched into any new market. Medicals are the experts in finding the opportunities and overcoming the barriers to achieve a successful business relationship.

I have personally known Mr. Walid Barake for over 30 years, and I have watched Medicals International flourish into an outstanding sales and marketing ophthalmology distribution partner.

Congratulations on 30 years to Walid for outstanding leadership, and also to Eddy Geryess and the entire Medicals International Team.

GLAUKOS<sup>®</sup>  
TRANSFORMING VISION



## Why Is Myopia Control Necessary?



**Sleiman Al Banna**

Director of Specialty & LVA  
line - Vision Care  
Medicals International - KSA

The myopia control imperative is understanding that even -1.00D of myopia carries an additional lifelong risk of posterior subcapsular cataract (PSCC), retinal detachment (RD), and myopic maculopathy (MM). Myopia is etiologically heterogeneous, its development, and progression are multifactorial. Assessing the risk factors for early onset and progression is more crucial in the selection of the most appropriate intervention for myopia control, and ultimately, myopia control is the control of axial length.

Treatment options for the control of myopia include behavioral management, optical management, and pharmacological management. Behavioral management is mainly concerned with the change in behavior and attitude, which includes time spent outside and less near work.

In pharmacological management, atropine has a strong dose-dependent inhibitory effect on myopia progression. Concerning optical management, contact lens options appear to be the most consistent, with multifocal soft contact lenses and Ortho-K offering around 50% efficacy for controlling both refractive and axial length in myopia.

Although multifocal soft CL comes in many designs, only center-distance designs have been formally investigated in the context of myopia control. Ortho-K, also known as corneal reshaping therapy, involves reshaping of the cornea to reduce myopic refractive errors and is proven to be effective in slowing myopia progression.



## An Optometrist's Perspective:



**Mohammed Alblawi, MSCO, MHCA**  
Manager of Optometry & Visual Science  
Department at Hospital (KKESH)

As an optometrist, I've found the Rose-K2 contact lens to be indispensable for managing various corneal irregularities, including keratoconus. Named after its designer, Paul Rose, this rigid gas permeable (RGP) lens offers superior comfort and vision correction.

Fitting requires customization with a wide range of parameters, tailored to individual corneal topographies for optimal outcomes.

As for its benefits, Rose-K2 lenses include improved vision due to their smooth front surface, providing better visual acuity compared to glasses or soft contact lenses. Despite being rigid, they offer high comfort levels attributed to their unique design that matches the corneal shape.

Additionally, their durability ensures a cost-effective choice for vision correction, lasting a year or longer with proper care. The high oxygen permeability of the lens material promotes corneal health, further enhancing their suitability for long-term wear.



The lens is made from highly oxygen-permeable material, which promotes ocular health. Its complex geometry mimics the corneal surface, ensuring a comfortable fit and precise vision correction.





## ●●● Getting Your Personal Beauty Out...



**Peter Ghaly**

Sr. Territory Manager - Vision Care  
Medicals International - Kuwait

"You are unique .. You have your own style .. For everyone having their own special character, COLORVISION premium colored contact lenses are made to emphasize that uniqueness.



With 20% transparency, COLORVISION makes making the color of the lens blend blending with the original eye color to give a unique, personalized look.

Being a piece of art .. COLORVISION simulates the natural iris design; with an inner hazel lock defining the pupil, dark contour from outside, and a mix of natural dyes to present a perfect appearance.

**COLORVISION®**

by PFÖRTNER

PREMIUM COLORED CONTACT LENSES

COLORVISION premium colored contact lenses is getting your Personal Beauty Out..."

## ●●● No More Dry Eyes!



**Priscilla Bou Aoun**

Territory Manager - Vision Care  
Medicals International - Lebanon

E-Eye is a medical device that has been specifically designed for treating dry eye syndrome due to Meibomian glands disfunction "MGD".

It generates Intense Regulated Pulsed Light "IRPL" by producing perfectly calibrated and homogeneously sequenced light pulses. The sculpted pulses are delivered under the shape of a train of pulses.



The energy, spectrum and time period are precisely set to stimulate the Meibomian glands in order for them to return their normal function.

E-Eye does not directly affect the Meibomian glands. Its action is indirect. The "flushed" areas (buborbital and zygomatic region) are the areas where the parasympathetic nerve passes.

The E-Eye IRPL uses pulsed light flashes applied to the skin of lower eyelids. The wavelength of light used is specifically regulated to stimulate the parasympathetic nerve pathway to the Meibomian glands.

This helps to restore healthy oil gland secretions and improves tear layer stability. The E-Eye protocol comprises three to four sessions, completed several weeks apart.

E-Eye is the medical solution to treat and to prevent dry eyes with low vision.



## ●●● Menicon Represented In Over 80 Countries!



**Nassim Haddad**

VP Business Development  
Medicals International - KSA

Menicon, Japan's leading contact lens manufacturer since 1951 and operating in over 80 countries, introduces Menicare Pure.

Few years ago, Menicare Pure was introduced after careful researches to find the natural ingredients with the highest purity to disinfect and clean any RGP lens material with the highest efficiency and lowest toxicity.

The disinfecting agent E-Poly-Lysine is from a natural source and has a wide antimicrobial activity against all micro-organisms that are known to infect contact lenses including Acanthamoeba.

Menicare Pure is a multipurpose solution used to clean, disinfect, rinse and store RGP lenses.

It is unique in its disinfecting efficiency by meeting the primary criteria of ISO 14729 disinfection standard within 30 minutes. It also showed rapid and good cleaning efficiency for lipid deposits compared to other well-known solutions in the market. It also passed the cytotoxicity test with the higher Inhibitory Concentration IC50 (means lowest toxicity) compared to two leading hard lens solutions in the market.

Finally, Menicon uses the process of dual filtration to eliminate the microorganisms and insoluble particles of all sizes, which is a unique manufacturing process among all other RGP solutions in the market.



Menicon

MENI  
CARE  
PURE

## ●●● MI Vision: Care Out and About!



**JOVision**



**MI Academy**



**Lebanese Congress  
of Optometry 2023**



**Istanbul SILMO**



**SSO KSA**



**Congress of Optics  
and Optometry Cyprus**



## ●●● Revolutionizing Corneal Treatment: C-Eye Device by EMAGine



**Marco Milad**

Sr. Territory Manager - Ophthalmology  
Medicals International - UAE

The C-Eye device by "EMAGine" is a Swiss-made cross-linking device. It features a slit lamp mount and table mount for convenient usage.

With adjustable intensities ranging from 3 to 30 mW/cm<sup>2</sup>, it allows for customized treatments. The device can deliver both continuous and pulsed UV-A irradiation, making it suitable for Epi-on and Epi-off, hence accommodating various treatment protocols.

C-Eye also has a thickness-adjusted profile to optimize energy delivery to the corneal periphery. It also has "integrated protocols" for CXL and PACK-CXL to simplify treatment procedures.

It incorporates superior battery technology, enabling multiple consecutive treatments on a single charge.

Finally, with its innovative design and capabilities, the C-Eye provides an efficient, reliable, user-friendly, and effective tool for corneal strengthening in conditions like keratoconus.



## ●●● Oertli's Faros and OS4: A Cut Above in Cataract Surgery



**Dr. Mohammad Mashhor Hummadi**

Senior Consultant of Anterior  
Segment & Glaucoma

"As a Senior consultant of Anterior Segment and Glaucoma for almost 22 Years; I worked on all Phaco machines at King Khaled Eye Specialist Hospital, King Fahed Medical City, The Eye Consultants Center, Kingdom Hospital, Al Jazira Hospital, and finally my own center: "MSHHOR EYE EXPERTS CENTER" located in Riyadh - Al Sahafa Quarter.

I usually think all machines are good, BUT, when it comes to the new Oertli machines or Faros and OS4, I was really delighted to work with it more than any other machine. I have both models Faros and OS4 at KFMC and "Mshhor Eye Experts Center".

Oertli machines are user-friendly, heavy-duty,

have no software problems like other machines, easy to move, very effective in Hard cataract (I found this feature more than other phaco machines), less troubleshooting with excellent vacuum, speed mode (that allows to control both flow and vacuum independently from each other combining Venturi and Peristaltic behaviors), high safety, stability, and better performance with successful cataract removal.



*Besides the great performance of the Oertli machines, the support from **Medicals International** team is great as well."*



## ●●● A Revolution Is Born!



**Nisreen Molaeb**

Sales Manager, Ophthalmology  
Medicals International, Lebanon

Tearcheck—an innovative, non-invasive procedure—offers invaluable insights into the quality and quantity of tears, providing a comprehensive evaluation of eye health.

Tearcheck aims to set a new standard for dry eye analysis with two patented examinations:

- Ocular Surface Inflammatory Risk Evaluation (OSIE) enables the assessment of ocular surface inflammation caused by dry eye conditions. By evaluating the level of hyperaemia induced by inflammatory processes, this examination provides crucial information for accurate diagnosis and tracking the progress of treatment.
- Tear Film Stability Evaluation/Non-Invasive Breakup Time (TFSE/NIBUT): having a quick and precise evaluation of tear film stability. Within just 10 seconds, Tearcheck calculates an exact score of dryness, allowing eye care professionals

to assess the severity of dry eye symptoms and formulate appropriate treatment plans.

Tearcheck offers a range of additional exams that provide a comprehensive analysis of eye health, such as Meibography IR, which allows visualization of the meibomian glands, vital for maintaining tear film stability. It depicts the rate of gland loss as a percentage and provides insights into the morphology of the glands present. This examination assists in diagnosing and managing meibomian gland dysfunction.

Additionally, it also offers exams such as Abortive Blinking Analysis, Eye Redness Assessment, Demodex Visualization, Meibography IR, Tear Meniscus Measurement, and Eye Fitness Test.

With its advanced examinations, comprehensive analysis capabilities, unique usability, and innovative technology, Tearcheck represents a significant leap forward in eye health analysis.



## ●●● Pinpoint Precision: The CLEAR Corneal Surgery Technique



**Rami Semaan**

Sr. Territory Manager - Ophthalmology  
Medicals International - Kuwait

The Femto LDV CLEAR procedure utilizes state-of-the-art technology and innovative features to deliver precise and effective corneal refractive surgery. This advanced laser system offers a superior level of customization through optimized energy delivery and treatment patterns, resulting in accurate and predictable outcomes for patients.

The CLEAR procedure incorporates a sophisticated tracking system that continuously monitors eye movements and ensures that laser pulses are delivered with accuracy, even in the presence of involuntary movements. Additionally, the LDV laser system integrates high-resolution imaging

high-resolution imaging to detailed maps of the cornea, allowing for precise depth measurements and treatment planning.

With its exceptional level of automation, advanced imaging capabilities, and precise energy control, the CLEAR procedure is at the forefront of technological innovation in refractive surgery, offering patients a safe, reliable, and customized treatment option for vision correction.





## ●●● Transforming Cataract Surgery for Glaucoma Patients



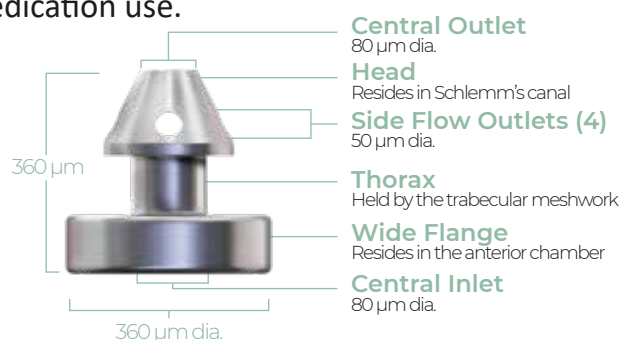
**Dr. Ahmed Al Habash, M.D.**  
Associate Professor, King Fahad  
University Hospital  
Glaucoma & Cataract Consultant

The iStent inject W has revolutionized the way we approach cataract surgery in patients with mild to moderate glaucoma. By combining this innovative technology with antiglaucoma medication, we have witnessed remarkable improvements in patient satisfaction, quality of life, and overall treatment outcomes.

In our practice, we prioritize patient education and engagement, offering them the choice of adding the iStent inject W during their cataract surgery. This dual procedure aims to alleviate intraocular pressure and reduce medication dosage. Benefits include reduced reliance on medication, diminished dry eye syndrome and allergies, and enhanced visual outcomes.

The iStent inject W procedure is surprisingly simple and swift, typically taking only one to two minutes within the cataract surgery itself with minimal invasiveness and complications. In our experience, this procedure has consistently yielded positive outcomes.

By decreasing intraocular pressure by approximately 31%, it often enables patients to reduce or even eliminate the use of one or two medications. This not only contributes to a more streamlined treatment process but also alleviates potential side effects associated with long-term medication use.



Furthermore, intervening early using iStent will reduce the risk of secondary surgical intervention, and patients report improved visual recovery, reduced dry eye symptoms, and a notable decrease in allergies. These positive changes significantly preserve functional vision and enhance the overall quality of life for glaucoma patients.

Through its ease of use, minimal invasiveness, and capacity to reduce intraocular pressure, the iStent inject W offers a safe and effective alternative to the conventional approach.

## ●●● Amaris: Precision in High-Astigmatic Correction!



**Eddy Geryess**  
Sr. Managing Director, GCC  
Director Ophthalmology Unit  
Medicals International

The Amaris platform treats high-astigmatic correction easily with its advanced eye tracker and SCC integration. Furthermore, the advanced eye tracker allows surgeons to apply wavefront treatment profiles with high accuracy and the lowest ablation depth.

The ORK-CAM allows the user to selectively treat highly significant high-order aberrations, ultimately improving the patient's visual quality.

With the smallest spot-size excimer laser and Intelligent thermal effect control, Amaris has the lowest corneal thermal load, which makes it the ideal eye laser system for refractive surgery.





## ●●● ICL & T-ICL: Preserving Corneal Health



**Dr. Tamer Gamaly**  
Consultant Ophthalmologist

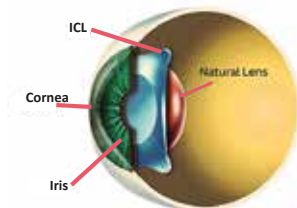
*ICL & T-ICL widened my options for treating a lot of patients seeking glasses free vision.*

These lenses, after proven high level of safety & predictability in treating high errors of refraction as well as low to moderate errors, enabled me to use them in many cases where laser refractive surgery CANNOT be used.

I am using ICL & T-ICL in many Keratoconus cases to correct the refractive element, after ensuring stability of the Keratoconus following CXL, ICRS or both (Triple procedure for keratoconus).

### ICL Surgery

The ICL is carefully placed behind the iris and in front of the eye's natural lens to correct the specific refractive error.



If the keratoconus is stable, I can use ICRS to reshape the cornea & enable the BCVA of the patient to be better, thereafter implanting ICL or T-ICL to correct the patient refractive errors.

Another group of patients are those after

Keratoplasty, who usually have high errors of refractions & mostly have high cylinders.

T-ICL usually can be implanted in such patients. And If the amount of cylinder is really high, sometimes I can do what is call "Bioptics", where I do Femto AK first to decrease the cylinder value then implanting T-ICL to correct the remaining error.

### EVO Advantages:

  
In Harmony  
With Your Natural Eye

  
Does Not Cause  
Dry Eye Syndrome<sup>2</sup>

  
Additive  
Technology

  
Excellent  
Night Vision<sup>1,3</sup>

**3,000,000+**  
ICLs Distributed  
Worldwide!

**99.4 %**  
Of Patients Surveyed Would Have  
The EVO Procedure Again!<sup>4</sup>

Needless to mention that the quality of vision after implanting such cases is way better than laser RS especially in high errors of refraction, as it induces no aberrations and mostly no haloes or glare.

The material of the lens "Collamer" is really unique & it is really eye friendly.

A really important point to mention is that, in patients where we implant ICL & T-ICL, we preserve the cornea which is the main part of eye which enables good, clear vision.

## ●●● MI Academic Sessions!





What's new in

# CRITICAL Care

## ●●● The Infinite Possibilities of Digital Neurosurgery Start Here:



**Zein Al Abidin**

Business Development  
& Product Manager, Critical Care  
Medicals International - Lebanon

Through the use of advanced augmented reality (AR) visualization, ARveo 8 enables the entire neurosurgical team to benefit from an improved level of AR visualization by utilizing AR fluorescence imaging, IGS information, and endoscopic imaging. The ultra-fast processing capabilities of the ARveo 8 delivers visual information to users with a more natural, real-time feel to help them make informed and precise decisions during surgery. ARveo 8 helps increase efficiency in the OR, improves system accessibility for the entire team with its new graphical user interface, and provides the freedom to adopt more new technologies and AR applications as they become available.



Together with EnhancePath, a concept for future upgradeability and system compatibility from Leica Microsystems, ARveo 8 provides a seamless way to evolve smoothly and confidently into digital neurosurgery as it advances.



**Leica**  
MICROSYSTEMS

ARveo 8 further enhances visualization for the user by adding layers of information from different systems directly onto the microscope image. Surgeons can add these to their view on-screen or through the oculars with additional visual information from pre-operative images, GLOW800 augmented reality fluorescence, image guided surgery systems, and endoscopic imaging feeds.

The new graphical user interface of the ARveo 8 and its recording unit are clearly structured with systems illustrations for easy setup and intraoperative functionality that can be tailored to the needs of each surgeon or surgery. This strips away interface complexities and allows more efficient workflows.



With ARveo 8, neurosurgeons can choose to work through the oculars, heads-up displays, or both. Either way, the entire team can observe every move by following the procedure on the 31-inch microscope screen, the 55-inch 4K cart-mounted 3D monitor, or on the control panel screen.

### **Main features:**

- 1-GLOW800 augmented reality fluorescence
- 2-FL400 fluorescence
- 3-FL560 fluorescence
- 4-CaptiView image injection
- 5-Universal Auto draping
- 6-OpenArchitecture
- 7-Cyber Security MDS2
- 8-Bright Care Plus, Auto Iris, Fusion Optics, and SAI



## ●●● MI Establishes Presence in Greece...



**Benny Kiriakos**

Vice President General Manager  
Medicals International Europe

Greece, known as the birthplace of Western civilization, has a history spanning over 3,400 years. From being the cradle of philosophy, democracy, and literature to its ancient architectural marvels such as the Acropolis and the Parthenon, Greece is a treasure trove of human accomplishment and innovation.

For Medicals International Greece serves as a strategic entry point into the European market, offering a population of around 10.4 million people with considerable disposable income and a rising economy, according to IMF report.

November 14, 2023 "Greece's economic outlook has improved notably with real GDP expanding beyond its pre-pandemic trend level". Furthermore, Greece boasts a high literacy rate and a vibrant consumer culture, making it an ideal location for promoting vision care products and services. The demand for eyeglasses, contact lenses, and other optical aids is rising steadily, offering immense opportunities for businesses in this sector.



## ●●● MI Ventures Into Azerbaijan...



**Elmir Bashirov**

Operations and Administrative Officer  
Medicals International - Azerbaijan

The Baku office of Medicals International Azerbaijan has a history, of having completed its official registration in May 2023, marking the commencement of operations as Medicals International Azerbaijan.

MI Azerbaijan currently operates in the vision care (contact lens) and ophthalmology sectors. The product line includes COLORVISION and CLEAR55 lenses, which were introduced to over 150 optical stores prior to their launch. These brands garnered significant interest from optical stores.

Sales of COLORVISION and CLEAR55 contact lenses commenced in 2023.

Currently, sales are progressing, with a notable market

interest in quality. MI Azerbaijan has managed to surpass many brands in this regard.

The expansion of the product line is underway, with the introduction of Rose K lenses. Presentations on Rose K lenses have been conducting in the hospitals, and promotional activities for the existing product line in ophthalmology too.



One of the primary goals of the Azerbaijan office is to establish MI as a leading company in the Azerbaijani market, achieving this objective through careful and deliberate steps.

[www.medicalsintl.com](http://www.medicalsintl.com)

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KSA | KUWAIT | LEBANON | MOROCCO | OMAN | QATAR | TURKEY | UAE