



Universidad Europea de Madrid
Madrid-Villaviciosa de Odón

9-10 June 2012

MadridOK

1st Meeting of
European Academy of Orthokeratology



www.orthokeratology.eu
Information and Application:
info@orthokeratology.eu

Agenda

Saturday 9th June 2012

8.30 - 8.45 Welcome Message

8.45 - 9.45 Where are we at clinical level?

Ortho-K History: from PMMA to modern overnight Ortho-K
(*John Mountford*)
The Ortho-K Lens: how and why it works
(*Pat Caroline*)
Efficacy and safety of current Ortho-K
(*José M. González-Méijome*)

9.45 - 11.00 Tips and Tricks in clinical practice

A biomechanical approach to Orthokeratology
(*Andreas Berke*)
Corneal topography in Ortho-k
(*Trusit Dave*)
Dealing with under-corrections
(*John Mountford*)
The quality of vision after Ortho-k
(*César Villa-Collar*)

11.00 - 11.30 Coffee Break

11.30 - 12.30 What next in Ortho-k

Customized Ortho-k: what can we expect
(*Pat Caroline*)
Hyperopia and presbyopia: efficacy and limitations
(*António Calossi*)
Orthokeratology for Astigmatism
(*Jaume Paune*)

12.30 - 13.30 Expanding the scope of Ortho-k

Keratoconus and Ortho-k
(*Luis Cadarso*)
Ortho-k after refractive surgery
(*Fabio Casalbón*)
Collagen cross-linking and its effect on Orthokeratology (CKR) treatment
(*Sami El Hage*)

13.30 - 14.30 Lunch

14.30 - 16.30 Ortho-k in Myopia Control

Vision-Related Quality of Life with CRT
(*Michael Lipson*)
Benefits of Ortho-k for children and teens:
perspective of a refractive surgeon
(*Carlo Lovisolo*)
Chances of myopia control with Ortho-k
(*Peter Bruckmann*)
Myopia control with Ortho-k. Research and clinical experiences
(*Jacinto Santodomingo*)
Peripheral refraction in Ortho-k
(*António Queiros*)
Peripheral myopic defocus may not be the answer
(*Alessandro Fossetti*)

16.30 - 17.00 Coffee Break

17.00 - 18.15 Free Papers

18.15 - 19.00 EurOK Assembly

Sunday 10th June 2012

8.45 - 9.45 Industry Session

9.45 - 10.45 Ortho-K Practice Worldwide

Ortho-k around the World
(*Cary Herzberg*)
Ortho-k in Europe
(*Marino Formenti*)
Ortho-K practice in Russia & Ukraine
(*Olga Ryabenko - Nataliya Kashchenko*)
Why so much Ortho-k in my country?
(*Ron Beerten*)

10.45 - 11.15 Coffee Break

11.15 - 12.30 Free Papers

12.30 - 13.30 Adverse in Ortho-k

The incidence of Ortho-k -related complications
(*Dmitry Mirsayafov*)
Microbial Keratitis. Risk factors, incidence and management
(*Nikola Jagodic*)
Ortho-k and microbial keratitis: an animal infection model
(*Jennifer Choo*)

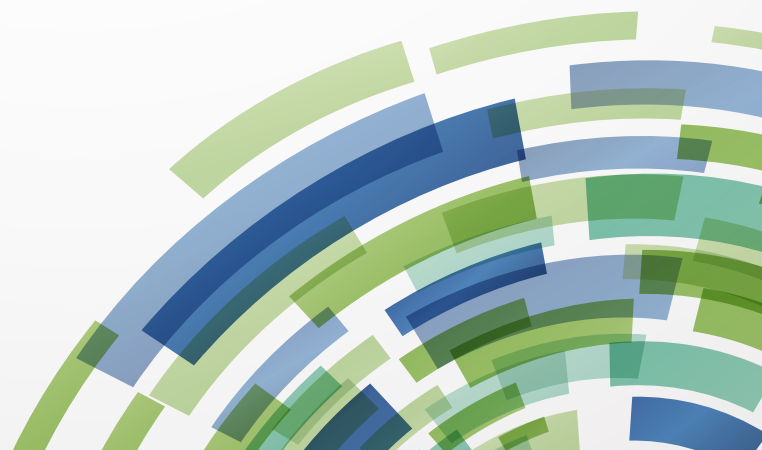
13.30 - 14.30 Lunch

14.30 - 15.15 Reducing the Risks in Ortho-k

Good clinical practice in Ortho-k
(*Shelly Bansal*)
Promoting care and compliance in Ortho-k
(*Marco van Beusekom*)

15.15 - 17.00 Ortho-k: Cellular and Molecular Level

Corneal histological changes in Ortho-k
(*Jennifer Choo*)
A biomechanical approach to Orthokeratology
(*Andreas Berke*)
VHF Digital ultrasound epithelial and stromal thickness profiles
(*Basil Bloom*)
OCT analysis of the cornea after Ortho-k
(*Mauro Frisani*)
Confocal microscopy findings in Ortho-k
(*Amelia Nieto-Bona*)
Biochemistry of the tear film in Ortho-k
(*Javier González-Pérez*)
Dinucleotides in tears: Ortho-k vs alignment-fit RGP
(*Gonzalo Carracedo*)



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CV Speakers

SHELLY BANSAL, FBDO HONS CL, FBCLA

Having qualified in 1982 Shelly Bansal went on to complete his Hons. CL diploma in 1987. His special interests include Orthokeratology, fitting younger patients with contact lenses, multifocal contact lenses and developing practice management strategies. In 2007 Shelly was awarded with his Fellowship of the British Contact Lens Association and is currently in his second term as BCLA President. Shelly has also been an advisory panel (Faculty) member for several contact lens manufacturers & contact lens solution manufacturer. His practice has also been used as a study site by various contact lens research organisations. More recently Shelly has taken on a part time role in Professional Affairs with Johnson & Johnson Vision Care in the UK. Over the last few years he has presented at BCLA conference and evening meetings and has had articles published in some of the optical journals.

RON BEERTEN BOPTOM, FAAO FBCLA

Graduated from the Hoge School van Utrecht in 1996, (Optometry School) in the Netherlands. Became Fellow of the American Academy of Optometry. In 2006 he became Fellow of the British Contact Lens Association. Joined Procornea Contact Lens Laboratory in Eerbeek as Clinical Director. Involved in product development and has been instrumental in designing soft and GP multifocal lenses and in the development the DreamLite orthokeratology concept. Still spends two days a week in clinical practice, is involved in routine contact lens evaluations, pilot studies for new product development and participates in the regional referral centre for patients with contact lens complications.

ANDREAS BERKE PH.D.

Graduated in physics (MSc) and biology (BSc) at the University of Muenster. Took a PhD in Physics. Currently senior lecturer for Biomedicine and Physiological Optics at the School of Optometry Cologne. Teaches at the University of Applied Sciences Innsbruck, Austria. Chairman of the Board of Examiners ECOO- European Diploma. Chairman of the Scientific Board of the German Ophthalmic Journal (DOZ). Authored 12 books.

BASIL H. BLOOM BSC (HONS), FCOPTOM

Obtained an honours degree in Optometry at the City University in London in 1971 and, after finishing his pre-registration year, gained his professional qualifications in 1972. He practised in partnership for many years and has been a sole practitioner for the last 20 years, working in South London. He has a special interest in contact lenses in general and in Orthokeratology in particular. He is a founder member of BOKS, the British Orthokeratology Society, and is the present treasurer and an accredited Member. As a BOKS committee member he organised all their conferences and produced a fitting CDROM on Orthokeratology for a major Contact Lens Company. He has lectured on three continents on Orthokeratology and his latest paper was published in Optometry and Visual Science in August 2009.

PETER BRUCKMANN, O.D.

Cologne-based optometrist. Peter is the chairman of the Professional Orthokeratology Group of the Scientific Association of Ophthalmic Optics and Optometry (WVAO Germany). He is a practicing optometrist and creator of the 'simply' contact lens retail operation. For over ten years, Peter has fitted Orthokeratology lenses and was the first in Germany to do so. He has also designed and participated in several research projects into Orthokeratology. He has been providing his Orthokeratology system to children for over seven years.

LUIS CADARSO, MD, PH.D.

Medical doctor with specialization and a PhD in Ophthalmology. Areas of interest include Cataract and Refractive Surgery. Special interest on Keratoconus management and Laser surgery.

ANTONIO CALOSSI, DIP OPTOM, FBCLA, FIAACLE

Optometrist, fellow of the British Contact Lens Association (FBCLA) and International Association of Contact Lens Educators (FIAACLE). Currently is a didactic consultant for schools and industries. The main areas of interest are contact lenses, anterior eye, and visual optics. Lecturer on Contact Lenses at University of Florence (Italy), has also a specialty contact lenses and optometry practice in Certaldo (Florence, Italy) and, as an independent consultant, is involved in R&D programs in the fields of diagnostic equipment, contact lenses and orthokeratology. He holds a patent on orthokeratology lenses. Is a founder member of European Academy of Orthokeratology (EurOK). Contributes as a reviewer to several journals. Was a lecturer in several optometric and ophthalmologic meetings, published several scientific papers in peer review journals, has written a book on physiology of vision, a monograph on optical quality of the corneal, and 18 book chapters in 14 ophthalmology books.

PATRICK J. CAROLINE, FAAO

Serves as Associate Professor at Pacific University College of Optometry in Forest Grove Oregon. He is a Fellow member and Diplomat of the Cornea and Contact Lens Section of the American Academy of Optometry. Patrick is a Council member of the International Society for Contact Lens Research as well as a member of the International Association of Contact Lens Educators and the American Association of Optometric Educators. For the past fifteen years Patrick has served as a contributing editor for the Contact Lens Spectrum and is on the editorial board for Contact Lens and Anterior Eye Journal. He has published over 300 papers on a wide range of contact lens topics and has lectured extensively throughout the world.

GONZALO CARRACEDO RODRIGUEZ, O.D., MSC, PH.D.

Associate Professor of Optometry and Contact Lenses at Optics School in Complutense University of Madrid and R&D Manager in Laboratorios Lenticon. Author of 15 papers in peer-review journals, over 40 communications to international meetings and 2 patents related with dry eye. He has participated in projects related with ocular surface and ocular hypertension. Member of the Spanish College of Optometrists and belongs to research group "Ocupharm Diagnostics". He has done his PhD Thesis on nucleotides as a marker of dry eye in different conditions such as contact lens wearing, refractive surgery or systemic disease related with dry eye.

FABIO CASALBONI, DIP OPTOM, ORTH D

Degree in Optics and Optometry in 1989 from the School of Optics and Optometry IRSOO - Vinci (FI). Graduated Orthoptics with Honors from the University of Florence in 1997. Is currently Professor at the University Of Florence and at the School of Optics and Optometry IRSOO - Vinci (FI). Is the author of several articles in journals of optometry and 4 book chapters. Has a private practice of Optometry, Contact lenses and Orthoptics in Florence.

JENNIFER D. CHOO, O.D., PH.D.

Currently serves as Manager, Global Specialty Lens Business & Clinical Affairs for Menicon Holdings B.V. She had previously served as Project Leader for Corneal Implant projects and Project Director for Orthokeratology research at the Brien Holden Vision Institute (BHVI) in Sydney, Australia. Dr. Choo obtained her OD degree from Pacific University and her PhD from the University of New South Wales in Sydney, Australia. She is a recipient of several research awards including the prestigious American Academy of Optometry William C. Ezell Fellowship. Dr. Choo is also an Adjunct Professor of Optometry at Pacific University as well as an Advisory Board Member for the Pennsylvania College of Optometry.

TRUSIT DAVE, PH.D., BSC(HONS), MCOPTOM, FAAO

Trusit Dave graduated in Optometry and Visual Science from the City University in 1990. He then successfully completed his PhD in relation to corneal topography in 1995. In the same year, Dr Dave entered into partnership in a specialist contact lens practice in Coventry. Attending the American Academy conference in 1996, led to him to successfully attain the academy fellowship. Since then he has published numerous papers and lectured extensively in Britain, United States, Hong Kong, Japan, Australia and in many European countries. He is also a consultant to the contact lens and ophthalmic medical instrument industry, a former research co-ordinator for the British Orthokeratology Society and visiting lecturer at Aston University. Dr. Dave is co-author of Orthokeratology: Principal and Practice. He is also co-inventor of the Topcon BV-1000 automated subjective refraction system. As well as occasionally seeing patients, Dr. Dave is the CEO of medical animation company Optimed and is also Assistant Professor at the University of Waterloo, Canada.

SAMI G. EL HAGE, O.D., PH.D., D.SC.

Received his O.D. degree from the Pennsylvania College of Optometry, and his Ph.D. and D.Sc. from the University of Paris. He is a former student and colleague of professor Yves Le Grand in Paris, France. He has taught at the University of Paris and the University of Houston College of Optometry, where he was a tenured full professor and graduate faculty at the age of 33. He has lectured extensively nationally and internationally. He was invited by the British Council to the City University in London, for post doctoral work. He initiated the Corneal Research Laboratory at Professor Herbert Schober "Institut für Medizinische Optik der Universität München", in Munich. He was invited by professor Vasco Ronchi of the "Istituto Nazionale di Ottica" in Florence - Arcetri. He was elected as an honorary fellow of the "Collegio de Optometrista de Venezuela". He received the Grand Honors Award of the National Eye Research Foundation. He received the 2005 Founders Award at the Global Orthokeratology Symposium meeting in Chicago. He serves as a consultant to several scientific and board organizations. He has published numerous articles and chapters in scientific journals and books. He also co-authored a book with professor Yves Le Grand on optics of the eye, published by Springer Verlag. Professor El Hage holds seven patents and trademarks on corneal topography and contact lens design; he maintains a private practice in Houston, Texas.

MARINO FORMENTI, O.D.

Graduated from University of Montreal, School of Optometry. He is practicing Optometry both in Italy and in Quebec, Canada where he is DPA and TPA certified. He is a contract professor of clinical optometry at the Optic and Optometry Course of the University of Padova. Most of his course in "Advanced Procedures in Optometry" is dedicated to myopia control and orthokeratology. Dr. Formenti has been founder and President of AIOK (Italian Academy of Orthokeratology). Also a founder and President of the European Academy of Orthokeratology (EurOK) and vice-president and board member of the International Academy of Orthokeratology (IAO).

ALESSANDRO FOSSETTI, O.D.

Graduated in Optometry at "Istituto Superiore di Studi Ottici e Optometrici" in Vinci, Italy. In 1983 completed, at University of Pisa, Italy, a Degree in Philosophy, with a Master Thesis in Experimental Psychology. He is currently Dean of the I.R.S.O.O., the first Italian School of Optometry, and contract professor at the Optic and Optometry Course of the University of Florence. He has been involved in optometric training since 1977, as a teacher in Visual Optics, Optometry and Contact Lenses. He is a frequent speaker at national meetings and congress, and author of many journal articles and some book chapters.

MAURO FRISANI, DOO

Optometrist. Graduated in Optics and Optometry from the University of Torino. Studies in Optics and Optometry at IRSOO(Vinci, Italy) and Ist.B.Zaccagnini(Bologna, Italy). Is currently an Professor (professional contract in contact lens optics) at the University of Torino. Private practice since 1995 at Studio Comba Lenti a Contatto in Torino, Italy.

JOSÉ MANUEL GONZÁLEZ-MÉIJOME, O.D., PH.D.

Graduated in Optics and Optometry with Honors from the University of Santiago de Compostela in 1997. Took a PhD in Science at the University of Minho in 2007. Is currently an Associate Professor with habilitation at the University of Minho and Editor-in-Chief of the Journal of Optometry -Peer-review Journal of the Spanish Council of Optometrists-. Has authored 70 peer-review articles indexed in ISI Web of Science, 3 books and 15 book chapters.

JAVIER GONZÁLEZ-PÉREZ, O.D., MSC, PH.D.

Is currently an Associate Professor at the University of Santiago de Compostela, Spain. He received his Degree in Optometry from the University of Santiago de Compostela and he took a PhD in Vision Sciences at the same University. He is member of several scientific associations. He has authored 40 articles, most of them published in journals indexed in ISI Web of Science and 9 book chapters.

CARY M. HERZBERG O.D. FOAA

Has been practicing Orthokeratology for over twenty- five years. He has lectured extensively on the topic, written numerous articles and holds a patent on the first scleral Orthokeratology design. He is the president and board member of the International Academy of Orthokeratology(IAO) and the founder, president, a board member and fellow of the Orthokeratology Academy of America(OAA). He is an advisory board member of the Gas Permeable Lens Institute(GPLI) and a former contact lens design consultant to C&H Contact Lens.

NIKOLA JAGODIC, MD

Is a 1997. graduate medical doctor from the University of Belgrade Medical Faculty. He completed ophthalmology clinical residency at Military Medical Academy in Belgrade and became ophthalmologist in 2004. Following two years Nikola was practicing general ophthalmology. Dr Jagodi joined Optix Ltd., one of contact lens manufacturers in Serbia, where closely related to contact lens lab he set his own specialty lens clinic. Mr. Jagodi started orthokeratology treatment of his myopic patients in 2007. and today he is the only contact lens practitioner in Serbia to whom major Serbian refractive surgeons are referring their progressive myopia patients. Nikola is pushing hard to promote orthokeratology among the members of the Serbian branch of ECLSO.

NATALIYA KASHCHENKO, MD

Ophthalmologist, graduated with honour from Medical Faculty Sumy State University in 2003, studied General Ophthalmology and Optometry in Kharkov Medical Postgraduate Academy, Ukraine. During her 3 years work in clinic, which was pioneer of orthokeratology in Ukraine, she was pushing hard to promote orthokeratology among ophthalmologist and supporting newcomers of this method. Currently works as optometric educator in Rodenstock unit in Ukraine, providing trainings and lectures in the field of optic and optometry.

MICHAEL J. LIPSON , O.D., FAAO

Is an optometrist/assistant professor at University of Michigan's Kellogg Eye Center, Department of Ophthalmology and Visual Science, at the Livonia location. He works with all types of contact lenses with emphasis on specialty contact lenses for overnight corneal reshaping, keratoconus, post-corneal transplant, post-refractive surgery and severe dry eye patients. He has been the principle investigator for studies on corneal reshaping, visual quality of life and new lens designs published in peer-reviewed journals. He attended Michigan State University and received a doctor of Optometry degree from Illinois College of Optometry in 1977 and is a fellow of the American Academy of Optometry.

CARLO FRANCESCO LOVISOLO, MD

Former director of the Vista Vision Laser Eye Centers, the first (since 1991) European open access laser eye surgery corporation and head of the Refractive Surgery Department at the San Raffaele University Hospital in Milan, he is the founder and the medical director of the Quattroelle Custom Eye Centers, located in Milano and Nizza Monferrato, Italy. In this private practise setting, he specializes in cornea and anterior segment surgery, staying on the cutting edge with refractive and therapeutic procedures. In 2002, he was one of the earliest European ophthalmologists to adopt ortho-keratology to control myopia progression in adolescents. SETTINGS: QuattroElle Custom Eye Centers, Milano, Italy.

DMITRY MIRSAYAFOV, MD

Graduated with Honours as MD (therapy) from Novosibirsk State Medical Institute (Russia) in 1988. Worked as researcher in the Institute of Biochemistry, Novosibirsk since 1988 till 1993, as visiting specialist in Free University of Brussels (Belgium) in 1993. In 1993 has established CL practice and trading company on CL products in Novosibirsk. In 2002 in Moscow with partners established Doctor Lens Company performing orthokeratology and specialty RGP lens practice as well as RGP lens manufacturing. Has been working as Head Manager of Doctor Lens Ltd till now.

JOHN MOUNTFORD, DIPAPPSC, FAAO, FBCLA

Graduated from QUT in 1975 and specialises in advanced contact lens fitting. He has published over 30 scientific papers and articles, authored 4 text-book chapters and a full text-book on orthokeratology. He has designed lenses for ortho-K, keratoconus, post-graft and corneal surgery (ICD MiniScleral) and pediatric aphakia. He is a Fellow of the American Academy of Optometry, the Cornea and Contact Lens Society of Australia, the British Contact Lens Association, the Orthokeratology Academy of America, the Italian Orthokeratology Association and a member of the International Society of Contact Lens Researchers. He is the first Life Member of the orthokeratology Society of Oceania.

AMELIA NIETO BONA, DOO, MD, PH.D.

Graduated in Optics and Optometry (1989) at the Complutense University of Madrid in 1989. Completed her Master in Optic, Optometry and Vision (2008) and took a PhD at the University of Madrid in 2010. Is currently a Titular Professor at the Complutense University where she teaches Clinical Optometry. She has conducted clinical research studies in relation with overnight orthokeratology.

JAUME PAUNE, DOO

Degree in Optics and Optometry and Master in Optometry and Vision Sciences by the Barcelona Tech (UPC). Currently conducting his Phd on a control of myopia with peripheral gradient lenses. Awarded by the Spaniard National Council of Optics and Optometry by his work in Myopia Control with Contact Lenses in 1992 and for A New Contact Lens Design for Hyperopia Overnight Orthokeratology in 2010. Behalf a Orthokeratology lens Patent and a other four patents on contact lens designs. Works in the Centro Médico Teknon in Barcelona.

ANTONIO QUEIROS, O.D, PH.D.

António Queirós is an Auxiliar Professor of Optometry at the University of Minho, Portugal. He received his Degree in Optometry from the University of Minho, and PhD in 2011. His work has focused on the impact of LASIK and orthokeratology in corneal topography, central and peripheral refraction and visual quality of the eye. He has published 23 papers in journals indexed in ISI Web of Science.

OLGA RYABENKO, MD

Ophthalmologist, graduated from Dnipropetrovsk State Medical Academy in 2002 (Ukraine), studied Optics and Optometry in P.L. Shupyk National Medical Academy of Postgraduate Education. Currently works as Head of department of refraction's pathology in SPHERE clinic, refraction surgeon, teacher in University of Maimonides, Moscow, Russia. Co-founder of OrtoVision company, established in 2010 in Moscow, which provide orthokeratology service and distribution in Russia.

JACINTO SANTODOMINGO, O.D., MSC, PH.D., MCOPTOM, FBCLA, FAAO

Jacinto Santodomingo graduated in Optometry in Spain and then he moved to the UK to undertake an MSc followed by a PhD. His PhD investigated the ocular response to silicone hydrogel contact lenses. He then moved to Japan to take the post of Global Professional Relations Manager for Menicon Co., Ltd. Jacinto returned to Madrid in 2006 while maintaining his post and responsibilities with Menicon Co., Ltd. He is a Fellow of the American Academy of Optometry and the British Contact Lens Association. He has presented several papers and posters at national and international conferences and authored several research papers.

MARCO VAN BEUSEKOM, BOPTOM

Graduated from the Christiaan Huygensschool of optics in 1985 and did his contact lens education at the SVGB in Haarlem. In January 2002 he graduated from the Hogeschool Utrecht (optometry department). He has worked in clinical practice for over 20 years and joined Johnson & Johnson Vision Care in June 2011 as professional Affairs manager Benelux. He's a special member of the Dutch Ophthalmology association (NOG) and chairman of the scientific section of the Dutch Contact Lens Association (ANVC). He is the scientific director of the Dutch Contact Lens conference (NCC). In 2008 he received a honorary membership from the Dutch Contact lens association for his effort in promoting Contact lenses and his work for the NCC conference. He has published several articles and gives lectures throughout Europe on issues regarding ortho-k, silicone hydrogels and physiological management of contact lenses and Kids & Contact Lenses.

CÉSAR VILLA-COLLAR, DOO, PH.D., FAAO

Doctor of Optics, Optometry and Vision by Universidad Complutense of Madrid with Doctorate Award. Fellow of the American Academy of Optometry. Director of Department of Optics and Optometry at European University of Madrid and Managing Editor of the Journal of Optometry -Peer-review Journal of the Spanish Council of Optometrists-. Thirty-four years of experience in clinical contact lens practice.

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