

Annual Report

2005



INTERNATIONAL ASSOCIATION OF CONTACT LENS EDUCATORS

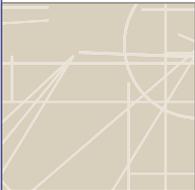


IACLE



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Executive Summary

Development and distribution of educational resources and implementation of programs continues to be a priority for IACLE. Therefore, it is with great pleasure that we are announcing the completion of Module 8 – Special Contact Lens Fitting. This concludes the development of the ten-module IACLE Contact Lens Course and we look forward to entering the next phase in resource and program development.

Using results from the 2004 Accreditation Exam for each country and region, IACLE determined which specific areas of education need improvement and tailored appropriate educational training programs, such as the educator meetings that were held throughout 2005.

As the demand for contact lenses and the need for skilled and knowledgeable practitioners continue to increase, IACLE remains committed to working with educators and industry in China. Once again this year, a five-day Intensive Training Program was held for 24 educators from 2- and 3-year optometry programs throughout the country.

To further aid educators refine and strengthen their contact lens education programs and produce better trained and more knowledgeable contact lens practitioners, IACLE has continued development of such programs as the Distance Learning Program (now available in multiple choice question format) and the Student Trial Exams (available in additional languages such as Korean and German).

In Europe, IACLE was recently involved in a joint meeting of the European Council of Optometry and Optics (ECOO) and the Association of European Universities, Schools and Colleges of Optometry (AUESCO). These two organizations are working to harmonize the standard of optometry education and practice in Europe. IACLE looks forward to working with ECOO and assisting in the development of their contact lens curriculum. We perceive this collaboration as an opportunity to positively leverage IACLE's impact in the region.

IACLE's structure in the Asia Pacific region has changed significantly throughout 2005. Late in 2004, Lakshmi Shinde was promoted to Asia Pacific Regional Coordinator, working closely with the national coordinators in China, Indonesia and the Philippines. By the middle of 2005, after reviewing member activity and rationalizing resources, IACLE closed the Philippines office and Cheni Lee accepted the role as part-time Assistant Regional Coordinator, assuming both regional and global responsibilities. Further, a part-time Assistant National Coordinator and part-time Administrator were recruited to support Qu Xiaomei in China, and assist in identifying new members and implementing programs such as Industry Seminars and the Distance Learning Program.

Other staff changes also occurred during the year. Long-time Latin America Regional Coordinator Percy Lazon de la Jara completed his PhD studies

and accepted a research position at the Institute for Eye Research. Percy is the first Latin American member to earn his PhD. Following recruitment for Percy's replacement, Sergio Mario Garcia accepted the part-time role and brings with him extensive experience in providing contact lens education across the region.

And finally we said goodbye to one of IACLE's first and longest standing staff members. Pamela Capaldi worked for many years as IACLE's Global Coordinator and most recently as the IACLE Special Projects Officer. Pamela is now working on the Optometry Giving Sight campaign, providing them with years of experience and skills in event organisation, and an entrepreneurial approach to fundraising activities. We wish Pamela well in the next stage of her career.

By providing an educational infrastructure and improving the quality of contact lens teaching, IACLE has successfully established a foundation for contact lens knowledge in more than 60 countries around the world. The training and resources imparted to these educators has resulted in a greater number of skilled practitioners who have a solid understanding of the most up to date information available and are confident and skilled in recommending and fitting contact lenses. Industry's long term investment in IACLE has supported the development and provision of these resources and training programs.

IACLE encourages industry to make the most of these resources and training, and partake in activities to leverage their involvement with IACLE. Programs such as IACLE Industry Seminars provide an excellent opportunity for local representatives to build relationships with next year's practitioners, and FIACLEs are a tremendous resource in developing and presenting industry-sponsored practitioner continuing education at the local and regional levels. IACLE associate membership and resources are available to our industry partners, and development of resources that will address industry-specific training needs is possible.

We look forward to continuing to work closely with our members, regional councils and industry partners in 2006 and to developing new programs and resources that will enhance contact lens education.



Deborah Sweeney, PhD.
President



Summary of 2005 Activities

IACLE Membership

Following implementation of the Active Membership Awareness Campaign in 2004, we have seen the number of active members increase from 35% in 2004 to 69% at the end of 2005.

To expand this involvement from the IACLE membership, the Country Representative initiative was implemented. These members are asked to provide us with information about local contact lens regulations and news, which provides us with a greater understanding of educational requirements. There are currently 12 Country Representatives in the Europe region, where the initiative was piloted. The project will be rolled out into additional European countries as well as those countries throughout the Africa/Middle East, Asia Pacific, and Latin American regions where IACLE has members.

IACLE Contact Lens Course

The IACLE Contact Lens Course development will be completed by the end of 2005, with the English version of Module 8 - Special Contact Lens Fitting ready for distribution in January 2006.

With the 10-module series now complete, work is focused on completing the translation projects currently underway - Spanish, Simplified and Traditional Chinese, and Bahasa. However, we

understand the need to provide further languages and are considering additional translation projects. At present, translation of selected IACLE Contact Lens Course units into French, and slides from the full Course set into German and Italian is in progress.

IACLE Resource Centers will be provided with the printed versions of any remaining modules to complete their sets. However, the IACLE Contact Lens Course is now only available in CD-ROM format, providing educators and students with access to a printable version of the full-text module, as well as colour images and slides.

Student Trial Exams

IACLE believes that the more advanced student knowledge levels developed through the Student Trial Exam (STE) program will contribute to better management of contact lens patients and will ultimately increase the popularity of, and consumer confidence in, contact lenses as a form of vision correction.

The exam is now available in six languages: English, Simplified Chinese, Indonesian, Spanish, German and Korean. To date in 2005, IACLE has conducted 32 exams for 930 students in 11 countries with 13 more exams reaching a further 520 students scheduled until the end of the year.

Educator Meetings

IACLE members are given the opportunity to improve their knowledge levels and teaching skills by participating in IACLE Educator Meetings. Using results from the 2004 Accreditation Exam, IACLE developed and presented educational meetings in India, Mexico, Colombia and China, tailored so that educators would benefit most from the material being taught.

Generally in conjunction with other national and international conferences, IACLE also holds updates for our members and industry partners. In 2005 IACLE Updates were held in Australia, Poland, the United Kingdom and the United States.

Intensive Training Program

There is a continued requirement for qualified contact lens fitters in China and to address this need IACLE has held five intensive training programs over the past four years.

Several years ago, with recommendations from industry sponsors and our country coordinator, we recognized that educators from 2- and 3-year optometry programs would benefit most from this type of training. These educators have been identified and targeted for the past number of years and again in 2005. This year's meeting was held at

Donghua University in Shanghai for 24 educators from 17 institutions throughout China.

Distance Learning Program

The Distance Learning Program (DLP) has proved to be a popular and efficient method of self-study, and has enabled many educators to improve their contact lens knowledge and increase their score on the IACLE Accreditation Examination. To make this valuable program available to more members, the DLP has been converted into a multiple-choice question (MCQ) format. The first phase of the DLP in MCQ format was recently released in English, with translation into Spanish, Chinese and Bahasa in process.

Resources

Providing a strong foundation for contact lens education, IACLE resources help educators by providing them with the materials needed to develop and teach a contact lens curriculum. In addition to providing the IACLE Contact Lens Course, IACLE also develops resources such as the educational image collection. This includes the former IACLE Selected Slide Set, a compilation of images contributed by AOCLE members, and the donation of more than 200 images from the late Ralph Salazar. All of these images will be organised and distributed on several CD-ROMs.

Industry Seminars

The success of Industry Seminars and Workshops continues to be applauded by educators, students and industry. The interactions that this program establishes between students and local industry representatives lay the foundation for developing relationships that can be nurtured after the students graduate and enter into practice.

More than 2252 students in 10 countries will be reached during the 53 Industry Seminars that have been scheduled in 2005.

Fellows of IACLE

Upon successful completion of the IACLE Accreditation Exam, IACLE members are eligible to apply for Fellow of IACLE (FIACLE) status. Following the 2004 administration of the exam, 29 members were approved as Level 1 FIACLES in 2005 and 75 successfully renewed their status for the next three-year period, bringing the total to 104 FIACLES. This represents 18% of the total IACLE membership.

The renewal process will now coincide with the administration of the IACLE Accreditation Examination, which will be administered every three years. Therefore, the next renewal period will be in 2007.

Practitioner Continuing Education

To help meet the demand for skilled contact lens practitioners, IACLE is working with FIACLES to develop and present practitioner continuing education programs at the local level. Under the FIACLE Leadership Program, more than 25 FIACLES successfully developed and presented continuing education programs throughout India, Indonesia, Peru, Colombia, Mexico, Uruguay and Chile in 2005.

In India, the “Advanced Contact Lens Education” program was first developed and launched in August 2003. A fourth program was held at the Elite School of Optometry, Chennai on 25-26 June 2005, providing 18 hours of education to 28 participants. This program falls under the Tier 2 IACLE Continuing Education Program and has been sponsored by Bausch & Lomb India through a special educational grant.



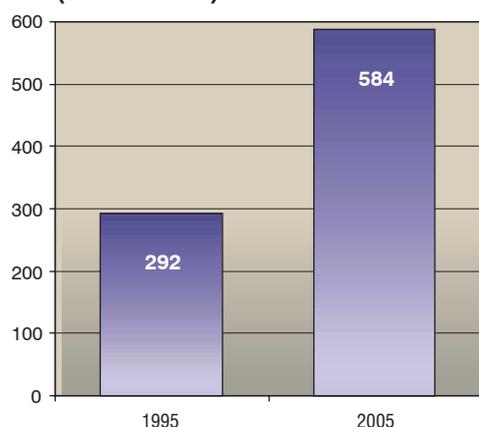
Global Activities



IACLE Membership

After more than 10 years IACLE's membership continues to grow to our current total of 584 Members from over 330 Institutions in 61 Countries.

**A Decade of IACLE Membership
(1995 - 2005)**



Membership Activity

Due to IACLE's increasing membership and following evaluation of our strategic direction, it was determined appropriate to focus on those members considered to be actively participating in IACLE programs and promoting the safe use and awareness of contact lenses either locally or globally. This resulted in the establishment of the IACLE Active Membership Awareness Campaign.

Commencing in 2004, this initiative enabled us to establish guidelines by which we could identify active members, at which stage we estimated that 35% of IACLE's membership were active. At the end of 2005, based on their level of activity, 69% of IACLE's 584 members are actively involved in contact lens education in their communities.

Key Country Representatives

IACLE's Country Representative initiative has been designed as part of our on going effort to ensure participation from our members. This 'grass roots' initiative enlists the cooperation of our members at the local level, with the aim being to have a greater

understanding of the local contact lens regulations and educational requirements from the closest source - a member who is involved in the local contact lens community. Country Representatives will initially be asked to provide demographic and contact lens market information and develop a country profile.

We have asked these Country Representatives to keep us informed of contact lens education news in their country and report on any opportunities for IACLE's involvement. We also ask that they network with educators and industry representatives and help to identify those individuals who would benefit from IACLE membership. Country Representatives are also asked to represent IACLE at national educational events and to promote IACLE resources and programs such as the IACLE Contact Lens Course, Industry Seminars and Student Trial Exams.

The initial pilot was successfully carried out in the European region, where we now have Country Representatives in 12 countries. This number will grow as we contact additional members in other countries throughout the region.

The initiative will be rolled out throughout the Africa/Middle East, Asia Pacific and Latin American regions where IACLE has members.

IACLE Contact Lens Course

The IACLE Contact Lens Course development is now complete, with Module 8 - Special Contact Lens Fitting ready for distribution in January 2006. This much anticipated module covers the following topics:

Module 8 – Special Contact Lens Fitting

- 8.1 Keratoconus and Contact Lenses
- 8.2 Presbyopia and Contact Lenses
- 8.3 Children and Contact Lenses
- 8.4 Aphakia and Contact Lenses
- 8.5 Refitting PMMA Lens Wear
- 8.6 Refractive Surgery and Contact Lenses
- 8.7 Therapeutic Contact Lenses
- 8.8 Tinted Contact Lenses
- 8.9 Orthokeratology



The Course is packaged to provide lectures (text, diagram and/or picture slides and related notes), practical sessions (discussion topics and exercises), and tutorials (quizzes and reading materials).

Course Topics

1. Anterior Segment of the Eye
2. Introduction to Contact Lenses
3. Contact Lens Fitting
4. Examination Procedures for Contact Lens Patients
5. Care and Maintenance
6. The Cornea in Contact Lens Wear
7. Contact Lens Related Ocular Complications
8. Special Contact Lens Fitting
9. Special Topics
10. Business Aspects of Contact Lens Practice

Now available only in CD-ROM format, educators and students have access to a printable version of the full-text module, as well as colour images and slides, which provide excellent visual representations that can be included in lectures and will enhance the learning experience.

Jan Jurkus of the Illinois College of Optometry offers the following comment:

“The IACLE course is of value to me as the teacher since I will use many of the excellent visuals in my lectures. It is of value for the students as a resource to augment their class material. The quality is excellent and IACLE should be praised for this impressive contribution to contact lens education.”

For many years the University of Waterloo, School of Optometry has been using the IACLE Contact Lens Course as a required textbook for their optometry students. This is becoming more popular globally and we have therefore implemented production and distribution of the CDs in India, Indonesia, China, Colombia and Canada. By reducing shipping costs from Australia, we are able to make the course affordable to students.

IACLE industry sponsors also have access to this valuable resource and have been using it internally to prepare training for their local practitioner education programs. Another model that is quite effective is for industry sponsors to work directly with their local or regional FIACLES to develop and present this type of training using IACLE resources. This has worked successfully in places like India, Indonesia, and Peru.



Now available only in
CD-ROM format,
educators and students have
access to a printable version
of the full-text module . . .

IACLE Contact Lens Course Completion Schedule

Module	1	2	3	4	5	6	7	8	9	10
English	✓	✓	✓	✓	✓	✓	✓	✓ 2005	✓	✓
Spanish	✓	✓	✓	✓	✓	✓	✓ 2005	2006	✓	✓
Chinese (Simplified)	✓	✓	✓	✓	✓	✓	2006	2006	✓	✓ 2005
Chinese (Traditional)	✓	✓	✓	✓	✓	✓	2006	2006	✓	2006
Bahasa	✓	✓	✓ 2005	✓	✓ 2005	✓ 2005	2006	2006	✓	✓

With the release of the final Module of the 10 Module series, work is focused on completing the translation of the most recently released English modules into Spanish, Simplified and Traditional Chinese, and Bahasa. FIACLEs in Europe have been eager to translate selected IACLE Contact Lens Course units into French, and slides from the full Course set into German and Italian.

IACLE continues to provide each active Resource Center with a free full set of the Course. In 2005, 87 Resource Centers received the available Modules.

IACLE Resource Centers

At institutions where there are IACLE members, Resource Centers are established and operated as a small library or reference center of contact lens-related educational resources. Resource Centers

are accessible, not only to IACLE members, but also to fellow educators and students.

Currently IACLE has 190 recognized Resource Centers in 52 countries from 273 educational institutions around the world.

Breakdown of established Resource Centers across the regions

Region	Institutions with Resource Centers
Africa/Middle East	94%
Asia Pacific	67%
Europe	71%
Latin America	93%
North America	26%

IACLE Resource Centers were established and/or restocked at the following institutions in 2005:

Africa/Middle East

- | | | |
|----|-------------------------------------|--------------|
| 1. | King Khaled Eye Specialist Hospital | Saudi Arabia |
| 2. | University of Free State | South Africa |

Asia Pacific

- | | | |
|-----|--|-------------|
| 3. | Changzhou Health School | China |
| 4. | Shanghai Second Medical University | China |
| 5. | Fujian Medical University | China |
| 6. | Jinzhou Medical College | China |
| 7. | Medical College Of Yongzhou Vocation Technical College | China |
| 8. | Nanjing University Of Traditional Chinese Medicine | China |
| 9. | Shanghai Second Industry University | China |
| 10. | Shanghai Second Medical University | China |
| 11. | Wuxi Occupational Institute | China |
| 12. | Xuzhou Medical College | China |
| 13. | Zhejiang Occupation And Trade Technical College | China |
| 14. | Aditya Jyot Institute of Optometry | India |
| 15. | Pailan College Of Management And Technology | India |
| 16. | Manipal College Of Allied Health Sciences | India |
| 17. | Konyang University | South Korea |
| 18. | Dongkang College | South Korea |
| 19. | Optometry Society of Taiwan of China | Taiwan |

Europe

- | | | |
|-----|---|-----------------|
| 20. | Lycee Fresnel | France |
| 21. | Helsinki Iv College For Health Care Professionals | Finland |
| 22. | Technological Education of Athens | Greece |
| 23. | Fielmann Akademik Schloss Plon | Germany |
| 24. | University Of Applied Sciences | Germany |
| 25. | Formazione Continua In Medicina | Italy |
| 26. | Pavlov State Medical University | Russia |
| 27. | Diplomatura De Optica Universidad De Murcia | Spain |
| 28. | Policlinica Universitaria | Spain |
| 29. | Schweizerische Hohere Facshule Fur Augeoptik | Switzerland |
| 30. | Deltion College | The Netherlands |

Latin America

- | | | |
|-----|---|------------|
| 31. | Pontificia Universidad Catolica De Valparaiso | Chile |
| 32. | For University Latina Costa Rica | Costa Rica |
| 33. | Fundacion Universitaria Del Area Andina-Pereira | Colombia |
| 34. | Instituto Politecnico Nacional | Mexico |

North America

- | | | |
|-----|----------------------|-----|
| 35. | Brown Medical School | USA |
|-----|----------------------|-----|



Accreditation Examination

Since being implemented in 1996, the Accreditation Exam has been administered every two years. However, the exam will now be held every three years, making the next administration in 2007. The fifth and most recent administration of the Accreditation Exam was held in October 2004, for 134 educators from 23 countries and in four languages (English, Simplified Chinese, Spanish and Indonesian).

IACLE analyses the Accreditation Exam results for each country and region to determine which specific areas of education need improvement. In this way the results help to drive the development of educational resources and training programs.

For example, the latest Accreditation Exams results for Colombia indicated certain knowledge areas that needed more attention, as indicated in blue in the table below. When IACLE designed the agenda for an Educators Meeting held in Colombia in June of this year, the agenda focused specifically on the areas of “*Patient Examination and Contact Lens Delivery*”, “*Ocular Responses to Contact Lens Wear*” and “*Contact Lens-related Complications*”.

Colombia Accreditation Exam Results 2004

Category	Score
Anatomy & Physiology of the Anterior Segment	67%
Contact Lens Design & Optics	80%
Principles of Contact Lens Fitting	68%
Patient Exam & Contact Lens Delivery	62%
Contact Lens Care & Maintenance	69%
Ocular Responses to Contact Lens Wear	60%
Contact Lens-related Ocular Complications	62%
Special Contact Lens Topics	75%
Overall Mean Score	66%

Student Trial Examinations

The Student Trial Exam (STE) is a valuable educational tool, assisting both students and educators to identify areas of need. The program can be beneficial to any institution, in either developing or developed countries, that is interested in students increasing their contact lens knowledge level.

IACLE suggests that educators conduct the STE shortly before their students' final contact lens exam, giving them the opportunity to reinforce their own areas of proficiency while at the same time identify those areas that require more effort. The exam is set at a standard or knowledge level suitable for final year students or newly qualifying graduates, and consists of 100 Multiple Choice Questions (MCQs). Thirty of these questions require the student to recognize/identify a certain type of lens fit or eye condition shown in a colour photograph.

IACLE assists students and educators to improve those areas identified in the STE as requiring

additional focus, by providing educational resources and educator training appropriately. This assessment and feedback drive the learning process, as it also allows educators to gauge where further emphasis is required in their curricula, and to tailor their teaching accordingly.

FIACLEs Nilesh Thite, Nagesh Vuppala and Yeshwant Saoji of Bharati Vidyapeeth (BVP) in India implemented the STE program in 2001. They have used the results from these exams and feedback from IACLE to make changes to their curriculum and address areas that have been identified as needing further emphasis. The outcome is a gradual and steady increase (64% in 2001 to 75% in 2005) in the mean percentage score.

Comments from Nagesh Vuppala:

“There are many reasons for this success; mainly, we dedicate a good number of hours for [contact lens] education both for theory and practical. Our motivation coupled with students' hard work gave these wonderful results...Excellent modules, rare

Comparison of STE Scores at BVP Over the Years

Category	2001	2002	2003	2004	2005
Anatomy & Physiology	63	60	67	85	73
Contact Lens Design & Optics	65	62	76	74	82
Principles of Contact Lens Fitting	72	64	71	68	70
Patient Exam & Contact Lens Delivery	67	67	77	83	80
Contact Lens Care & Maintenance	64	63	60	65	72
Ocular Responses to Contact Lens Wear	38	48	71	77	75
Contact Lens-related Ocular Complications	60	60	66	70	74
Overall Mean Score	64	62	70	74	75
Pass Percentage	91%	84%	100%	97%	100%

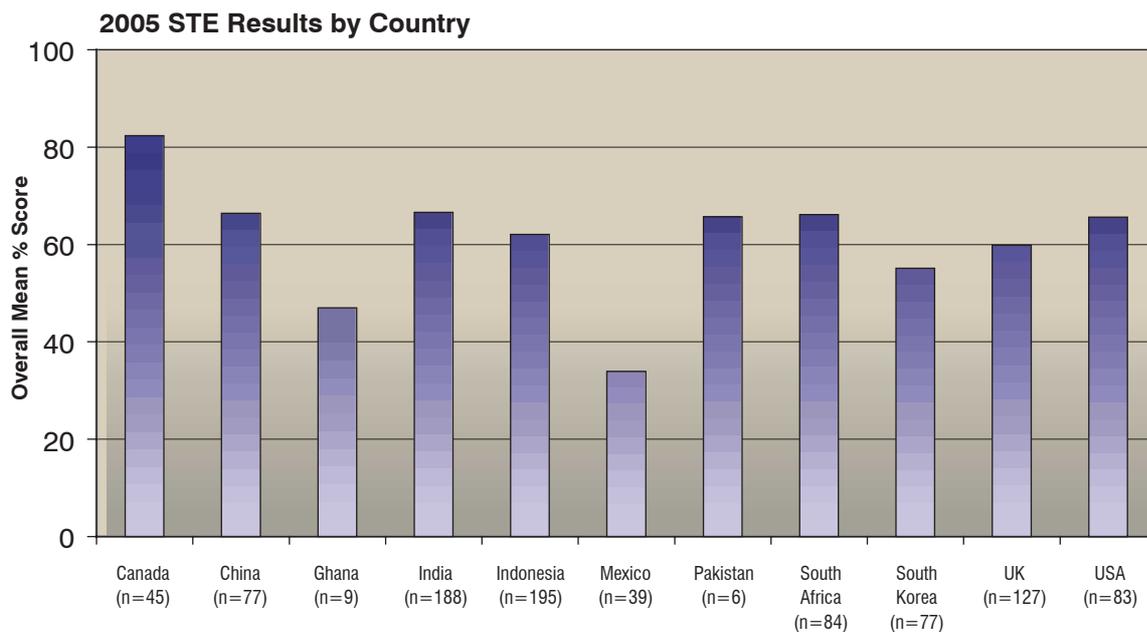
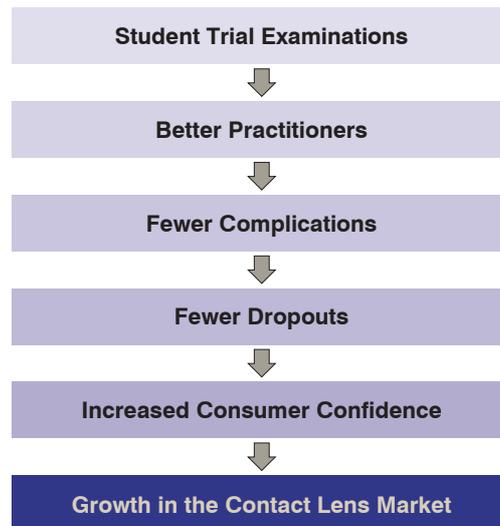
GLOBAL ACTIVITIES

and interesting slide[s] and beautifully made CD's help the students understand the concept easily and thoroughly. Through IACLE STE results, I came to know that our students were getting low scores in ocular response category. We have increased the number of teaching hours, explained the visuals and took repeated lectures in this subject. This improved the results drastically from 38% to 75%. A part of credit also goes to recently released Module 7".

IACLE believes that the stronger knowledge levels, especially in the area of "Ocular Responses to Contact Lenses", will contribute to the reduction of contact lens-related complications, consequently leading to fewer patient dropouts. This will ultimately increase the popularity of, and consumer confidence in, contact lenses as a form of vision correction.

Since its introduction in 2001, the STEs have been conducted in 21 countries across the globe, reaching over 5,000 students. The exam is currently available in six languages: English, Simplified Chinese, Indonesian, Spanish, German and Korean.

To date in 2005, the STEs have been conducted for 930 students from 32 institutions in 11 countries. At the time of writing this report, IACLE still had 13 more exams reaching an additional 520 students scheduled until the end of the year.



IACLE Meetings

Continuous support of educators is fundamental in ensuring that a high standard of contact lens knowledge is met, maintained and upgraded regularly. IACLE members are given the opportunity to improve their knowledge levels and teaching skills by participating in IACLE Educator Meetings.

Meeting Summaries

Third Annual IACLE Netherlands Meeting, Netherlands: 14 January 2005

The Third Annual IACLE Netherlands meeting was held on 14 January 2005 at Deltion College and was facilitated by Wim Borst and Ron de Lau. As well as presenting information on IACLE activities and programs, the program also covered topics such as Grading Scales, Fitting RGP's and Soft Lenses, Ortho K, Corneal Topography, Competency Based Examinations, and the contact lens market which was presented by IACLE industry representative Linda van der Jeught (CIBA Vision).

Meeting facilitators believed the overall outcome of the meeting to be a strengthening of the foundation of contact lens education in the Netherlands.

IACLE India Educators' Meeting, India: 27-28 March 2005

On 27-28 March 2005, an Educator Meeting was held for 27 members and four industry representatives (AMO, B&L, CIBA, J&J) at Bharati Vidyapeeth in Pune.

The first day of the program commenced with a presentation by Lakshmi Shinde on IACLE activities. This was followed by an interactive discussion with members and industry representatives about Product Information Days and the contact lens market in India. The afternoon was filled with didactic lectures on such topics as Keratoconus, Silicone Hydrogel Lenses, and Scleral Lens Fitting (which included a practical demonstration).

The second day offered lectures on communication and presentation skills, as well as lectures given by IACLE members.

Comment from IACLE India Member, Pravin Tellakula, following the meeting:

"IACLE members meet[ing] was excellent. The topics covered were very useful and informative. It was also presented very well by the speakers and lot of interaction and participation was present."

IACLE at the ECOO/AUESCO Meeting, Poland: 13-15 May 2005

IACLE participated in the European Council of Optometry and Optics (ECOO) and Association of European Universities, Schools and Colleges of Optometry (AUESCO) meeting in Krakow, Poland in May. The goal of the meeting was for further discussion and implementation of the European Diploma in Optometry and to harmonize the standard of optometric education and practice in Europe. IACLE is pleased to continue collaboration with these organizations and looks forward to assisting ECOO in the development of their contact lens curriculum. ECOO and AUESCO were each presented with a free IACLE Contact Lens Course set during the meeting.

IACLE Europe Update Meeting, UK: 2 June 2005

The annual IACLE Europe Update and Members Meeting was held in conjunction with the annual British Contact Lens Association (BCLA) meeting in Brighton in June. IACLE also participated in the Europe Contact Lens Society of Ophthalmologists (ECLSO) meeting in the UK, exhibiting educational information that included the IACLE Contact Lens Course Modules.

IACLE Educator Meetings, Colombia: 2-3 June and Mexico: 23-24 June 2005

IACLE Educator Meetings were held in Colombia on 2-3 June and in Mexico on 23-24 June reaching 60 educators. The programs included Anatomy and Physiology, Slit Lamp Illumination Techniques, Corneal Oxygenation with Contact Lenses, Complications during Contact Lens Wear, and a Leadership Workshop. Meeting attendees shared information about their schools and contact lens curricula, and reported on the usefulness of the IACLE Contact Lens Course for their teaching and lecture development.

Comments received from meeting attendees:

“The most significant issue to learn was the different teaching techniques, in topics really hard to teach in an easy, friendly and simple, but effective way.”

“The interaction between different schools was good for our profession. The exchange of ideas and the interaction of the meeting [attendees] was quite important. This type of meeting motivates educators to improve our teaching and knowledge.”

IACLE Representatives at AOCLE Meeting, USA: 2-5 June 2005

Two IACLE members from Europe, Wim Borst (Netherlands) and Javier Gonzalez-Perez (Spain) were invited to represent IACLE at this year’s Association of Optometric Contact Lens Educators (AOCLE) Annual Workshop that was held in Michigan College of Optometry from 2-5 June.

IACLE members are given the opportunity to improve their knowledge levels and teaching skills . . .

Javier reported attending a lecture on ‘Promoting Deep Learning in College Students’ that stressed the need to improve teaching methods with the objective to increase students’ learning and knowledge retention.

These two IACLE members highlight the following from the AOCLE workshop:

- seeing what happens when a group (such as AOCLE) works as a family - how the results are obviously better
- seeing the high teaching quality and research of these educators.

IACLE Intensive Training Program, China: 24-28 October 2005

In November 2001, IACLE initiated the concept of providing five-day intensive training programs in China. Three similar programs were held from 2002-2004. In 2005, we conducted the fifth intensive training program in China at Donghua University in Shanghai from 24 to 28 October. A total of 24 educators from 17 institutions that support 2- and 3-year optometry programs in China were invited to participate in this training program, while several industry representatives also attended.

Further details of this meeting can be found in the “Intensive Training Program” section, which follows.

Intensive Training Programs

China has been a priority country for IACLE in recent years as we attempt to address the increasing demand for qualified contact lens fitters in this rapidly growing market. As part of our strategic plan for this emerging market, in November 2001 IACLE initiated the concept of providing five-day intensive training programs in China. Thirty educators received training in the form of both lectures and hands-on practical workshops during the first program. The second intensive training program was conducted in June 2002 for an additional 28 educators. Based on the performance of the attendees of these first two programs, 24 educators were selected to participate in an advanced level training program in November 2002.

2005 Meetings List

Date	Activity	Location	Region
14 January 2005	IACLE Netherlands Meeting	The Netherlands: Utrecht	Europe
27–28 March 2005	IACLE Educators’ Meeting	India: Pune	Asia Pacific
13–15 May 2005	IACLE Europe participation in the ECOO/AEUSCO Meeting	Poland: Krakow	Europe
2 June 2005	IACLE Europe Members Meeting and Update at the BCLA Meeting	UK: Brighton	Europe
2–3 June 2005	IACLE Educators’ Meeting	Colombia: Bogota	Latin America
2–5 June 2005	AOCLE Workshop (IACLE representatives)	USA: Michigan	North America
23–24 June 2005	IACLE Educators’ Meeting	Mexico: Mexico City	Latin America
13 August 2005	IACLE Secretariat Open Day	Australia: Sydney	Asia Pacific
24–28 October 2005	IACLE Intensive Training Program	China: Shanghai	Asia Pacific
10 December 2005	IACLE AGM and Industry Update	USA: San Diego	North America



Acting upon advice from local and regional industry representatives, as well as our country coordinator, we have been focusing our attention on educators from 2- and 3-year optometry programs these past two years. The fourth intensive educator-training program was held for 29 educators from institutions throughout China in May 2004. This year, we conducted the fifth intensive training program in China at Donghua University in Shanghai from 24 to 28 October. A total of 24 educators from 17 institutions in China where 2 and 3 year programs are being taught, were invited to participate in this training program, while several industry representatives also attended.

IACLE conducted five days of education, including lectures, hand-on workshops, discussions and video screenings. All lectures and workshop materials were provided in both English and Chinese.

An IACLE knowledge evaluation exercise (in Chinese) was conducted both before and at the end of the training program, for a total of 22 of the 24 attendees (excluding industry representatives). Both exam papers consisted of 40 multiple-choice questions from the following categories (topics which were covered during the training program):

1. Anatomy & Physiology
2. Design & Management of Contact Lenses
3. Principles of Contact Lens Fitting
4. Patient Exam & Delivery of Contact Lenses
5. Care & Maintenance of Contact Lenses
6. Ocular Responses to Contact Lenses
7. Contact Lens Complications and their Management

Every attempt was made to keep the two question papers on the same standard, and the two papers were also identical in terms of the number of questions from each category. Delegates were allowed 80 minutes to complete each knowledge evaluation exercise.

The results in all categories indicate that the educators meeting had a positive impact on the knowledge level of the delegates. The overall mean percentage score of the educators improved from 55% before to 81% after the meeting. Before the training program, only nine out of the 22 educators achieved a score of 60% or higher (that is a 'pass rate' of 41%). At the end of the week's training, all of the attendees scored 60% or higher (a 'pass rate' of 100%).



A total of 29 meeting attendees (including four industry representatives) completed a survey on the last day to evaluate the training program.

Feedback received from the attendees was very positive.

- 69% of the attendees rated the meeting as excellent overall, while the other 31% rated it as good.
- 38% strongly agreed and 62% agreed that the information was presented in a way that was relevant and easy to understand
- 69% strongly agreed and 31% agreed that the lecture topics were relevant to their teaching and clinical needs
- 45% strongly agreed and 52% agreed that each topic was covered in sufficient detail (the other 3% were undecided on this question)
- 79% rated the speakers as excellent overall, while the other 21% rated the speakers as good

An attendee from Beijing Tongren Hospital sent us the following note after the program:

"I am writing this letter to thank you for all the knowledge you told me, it will be very helpful in

my future class for my students. I would also like to thank you for your interesting discussion with me after classes, which I have found very informative and useful. I am an Ophthalmologist. During my previous classes to the optometric students, I told them more about eye diseases but less about CL complications, especially the early micro corneal changes, because I really did not pay much attention to them. But I will change after this program."

IACLE's Director of Education, Sonja Cronjé, prepared all the teaching materials and evaluation tools for the program. The IACLE National Coordinator for China, Qu Xiaomei was instrumental in making the necessary meeting arrangements. We wish to also thank IACLE members Pauline Cho and Kitty Liao, both of whom volunteered their time to assist IACLE with delivering lectures and conducting hands-on workshops.

This meeting would not have been possible without industry support. Many of the companies supplied lenses, solutions and equipment for the workshops. This assisted greatly in providing hands-on training to the attendees, while also providing good exposure for the company's products. Some of the companies sponsored



dinners for the attendees, and made use of the opportunity to provide more information about their contact lenses and/or lens care products. A number of industry representatives attended some or all of the lectures, workshops and knowledge evaluations exercises.

IACLE will continue to work with industry and our National Coordinator to identify other educators in China who might benefit from this kind of training in years to come. In addition, in future we hope to use this intensive training model to conduct similar programs in other countries, to quickly raise the level of contact lens knowledge in those areas where the rapidly growing markets demand more qualified contact lens practitioners.

Distance Learning Program

The IACLE Distance Learning Program (DLP) was designed to assist educators in improving their contact lens knowledge by systematically helping them to study each module of the IACLE Contact Lens Course. The DLP was first developed for and piloted in Africa in 1999, but has since been translated into several languages and expanded into a global program.

The DLP provides educators with an independent and systematic approach to studying the Contact Lens Course. After working through a certain section of the Course, participants are expected to complete assignments and submit these to an IACLE Coordinator for evaluation and feedback.

The DLP has proved to be a popular and efficient method of self-study, and has enabled many educators to improve their contact lens knowledge and increase their score on the IACLE Accreditation Examination. Since its launch in 1999, 125 of educators from 17 countries have participated in the DLP, which is available in English, Spanish, Simplified Chinese and Bahasa. Of these participants, 57 have successfully completed the Accreditation Exam.

The initial DLP was written in a way that required participants to write short essay answers - a format that has proved to be successful. However, it is time-consuming and labour intensive to evaluate and score these types of answers, hence limiting the number of participants that can be accommodated at any one time. For this reason, the DLP has been converted into a multiple-choice question (MCQ) format. This new format will allow more members to participate in the program and provide some

practice in answering MCQs – the format of the IACLE Accreditation Exam.

The first phase of the DLP in MCQ format was recently released in English, with translation into Spanish, Chinese and Bahasa in process. Translation into additional languages such as Korean and German will be considered. Further phases of the new format are in development, and it is expected that the program will expand significantly in the next few years. With current technology rapidly becoming more affordable and accessible, it is anticipated that the DLP will eventually be conducted electronically, perhaps even web-based.

Educator Fellowships

Educator Fellowship Programs present educators with the opportunity to gain exposure to contact lens education, research and practice at another teaching institution. During Reverse Fellowship Programs, educators receive intensive training at their own institution to help improve their contact lens knowledge and clinical skills.

. . . it is anticipated that the DLP will eventually be conducted electronically, perhaps even web-based.

To optimize the benefits of both traditional Fellowships and Reverse Fellowship Programs, IACLE encourages participants to complete the Distance Learning Program (DLP) and Accreditation Exam prior to their participation. While the DLP aims to improve the educator's knowledge of contact lenses, the Accreditation Exam provides a measure of the educator's level of contact lens knowledge, highlighting areas where additional focus and training is necessary. This information allows the IACLE education team to tailor Fellowship Programs to address areas of

need. We also encourage Fellowship participants to conduct the Student Trial Exam (STE) for their students, as this gives an indication of how well students learn and understand each of the contact lens topics covered in their course.

In 2004, IACLE conducted a Reverse Fellowship Program for four educators at the Academy of Refractionist Optician (ARO) Kader Bangsa in Palembang, Indonesia – a school that conducts a 3-year national optometry program, including three semesters of contact lens education. At present there are about 60 students enrolled in the course.

An IACLE Resource Center was established at the school in 2002, allowing educators and students access to the IACLE Contact Lens Course Modules in Bahasa. Nevertheless, the educators needed more guidance and knowledge to help them establish the contact lens curriculum in this new school.

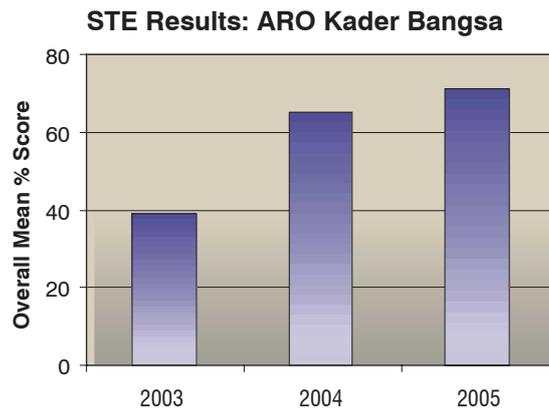
IACLE decided to assist this fledgling school by conducting a Reverse Fellowship Program in March 2004. The three-day program consisted of lectures, discussion sessions, video presentations and hands-on workshops, covering various aspects of soft and rigid lens fitting. Cheni Lee (IACLE’s Assistant Coordinator for the Asia Pacific Region) presented all lectures and workshops in their native language of Bahasa.

One year later, the Director of the school, Ester Wijaya, comments:

“The direct involvement of IACLE in our school had brought significant changes in the educators’ way of teaching. Educators are making their lectures based on what they got from the IACLE reverse program and changes had been made to follow the teaching hours. IACLE CDs and videos are used in demonstration session before their practical sessions. It is interesting to see so much keenness, interest and initiative to study Contact Lens from both the educators and students. Students are keen to learn because we have IACLE resources in Bahasa.”

The educators at this school should be commended for the improvements in the contact lens course these last two years, which becomes evident when

perusing the STE results for the last three years. In 2002, none of the students passed the exam. However, for the past two years, all the students have been successful in the STE and their overall mean score has improved again this year.



Sriyani, an educator who teaches contact lenses in the final semester, states:

“I am glad to see the standard of my students improving. All this is happening because of the support that we got from IACLE through so many programs and our interest in education. IACLE is playing a crucial role in contact lens education in our school and country.”

Resources – The Foundation of Contact Lens Knowledge

It is IACLE’s philosophy that the availability of good resources provides a strong and stable foundation for educators. Educational resources strengthen the educator’s teaching techniques and assist in better learning for students, ultimately leading to better practitioners.

In addition to providing a full curriculum of 10 Modules on contact lens education, IACLE also works towards the development of further educational resources. Most recently, through collaboration with AOCLE, a fantastic new Image Library CD is in development and will be released and distributed to all Resource Centers



globally. IACLE is also converting the former IACLE Selected Slide Set into a more accessible CD format.

IACLE continuously attempts to source suitable material available for distribution to Resource Centers. These are particularly valuable in developing countries where members may otherwise not have access.

We would like to acknowledge the following resource contributors in 2005:

- Bausch & Lomb/Polymer Technology for stock of their new Ortho-K DVD
- CooperVision for additional stock of 'The Right Toric' CD.

Both of these resources are greatly appreciated by IACLE members.

IACLE members, or FIACLEs in particular, also contribute to building our collection of educational resources. For example, former member and the late Ralph Salazar generously donated 200 photos of his personal slide collection to IACLE. These are being catalogued and compiled on CD to add to IACLE's growing educational image collection.

In 2005, excluding the IACLE Contact Lens Course, 511 educational resources were provided to Resource Centers.

Industry Seminars

The way to ensure that graduating practitioners have information about the products available to them and are skilled and comfortable fitting lenses and recommending care regimes is for them to participate in IACLE Industry Seminars. IACLE facilitates the organization of Industry Seminars whereby industry representatives are invited to visit institutions to meet with, and make presentations to the faculty and students.

These meetings are the opportunity for industry to present students with products and promotional material and to discuss market trends. Industry is encouraged to gift each student with a complimentary pair of contact lenses, for the rationale that if a student is comfortable wearing contact lenses, they will have more confidence going into practice fitting contact lenses.



Follow up visits to hold workshops can also be arranged with IACLE members. These hands-on sessions allow the industry representative to offer the students more in-depth exposure to their products and to further develop their relationship with the institution and the students – next year’s practitioners.

Benefits of IACLE Industry Seminars:

- Students gain up-to-date knowledge and practical experience with those contact lens products available in their local market, as well as practice management information.
- Students/new practitioners are more confident to fit and recommend contact lenses to their patients
- A student who uses a certain contact lens type/product in their clinic while studying will be more likely to use those same lenses/products when they go out into practice
- Relationship building between students and local industry representatives lays the foundation for developing relationships that can be nurtured after the students graduate and enter into practice.
- On-going and regular interaction between educators and industry establishes a

strong network of communication and cooperation.

- Industry supportive of contact lens clinics at educational institutions (i.e. providing trial lenses, solutions, etc).

More than 2252 students in 10 countries have been reached during the 53 Industry Seminars that have been scheduled in 2005 (50 completed at the time of publishing this report). In addition to this large number of students having been exposed to contact lens products, 118 educators also attended these meetings, which were supported by 163 industry representatives. Attendance of the educators provides them with an update on products so they in turn are able to impart the information to all of their students.

2005 Industry Seminars

11	Africa/Middle East
20	Asia Pacific (3 scheduled for December)
22	Latin America

Fellow of IACLE (FIACLE)

Upon successful completion of the IACLE Accreditation Exam, IACLE members are eligible to apply for FIACLE status. As IACLE's most active and visible members, FIACLES are recognized for their accomplishments within the global discipline of contact lens education. There are currently 104 FIACLES, which represents 18% of the total IACLE membership.

The FIACLE program is renowned globally for nurturing and exposing the local contact lens educator to a worldwide educational network, linking them with industry and thus creating a partnership that is essential for each party in contributing towards the longevity and safe use of contact lenses globally.

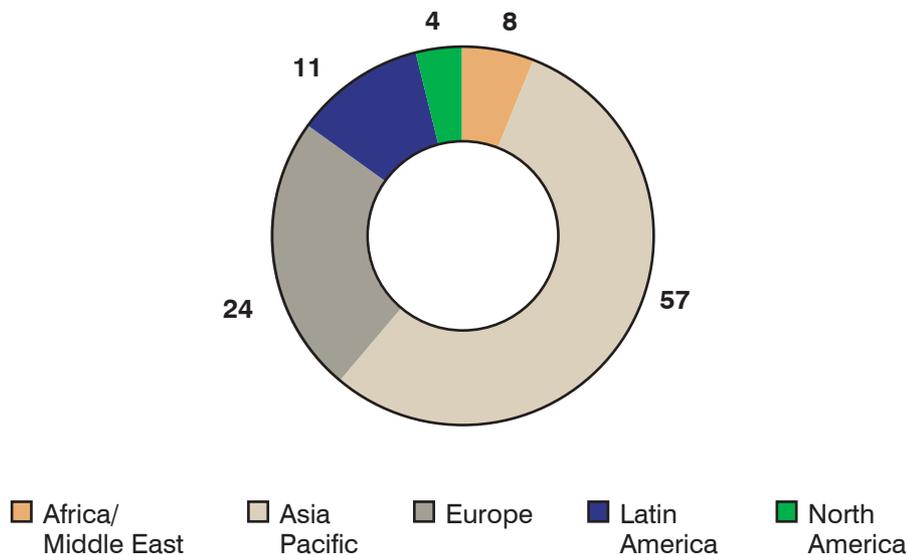
Taking a more streamlined approach to the renewal process, IACLE has regulated the

program so that in future the renewal process will coincide with the administration of the IACLE Accreditation Examination. As the exam will now be administered every three years, the next renewal period will be in 2007.

In 2005, 29 members were approved as Level 1 FIACLES and 75 successfully renewed as Level 2 FIACLES until the next FIACLE renewal period.

The FIACLE On-line Library (FOL) is an electronic facility available to all web users but particularly aimed at contact lens educators and IACLE members. Currently in development and planned for release on the IACLE website in the near future, the FOL showcases and acknowledges the work of each FIACLE and provides links to FIACLE-authored journal articles, PowerPoint presentations, websites etc... all at the touch of a button.

2005 FIACLE Breakdown per Region (%)



2005 FIACLE Activities

FIACLEs have continued to participate in the following activities over the past year:

Hours of Continuing Education Delivered:	288 hours
Publications:	51
Eye Care related Community Service:	770 hours

FIACLE Profiles

Each year IACLE recognizes the outstanding work of FIACLEs within their respective regions by featuring their accomplishments in the IACLE Annual Report. The following FIACLEs were chosen to be highlighted in 2005 (see Appendix):

Africa/Middle East

Mohammed Higazy
Benha Faculty of Medicine, Egypt

Asia Pacific

Koon Ja Lee
Seoul Health College, South Korea

Europe

Carmen Seres
Universitat Politecnica de Catalunya, Spain

Latin America

Fernando Ballesteros
Fundacion Universitaria del Area Andina,
Colombia

North America

Lyndon Jones
University of Waterloo, Canada

IACLE Communications

IACLE makes available information about our activities in various media formats to facilitate on-going and two-way communication with our members and industry sponsors.

The IACLE News and Views, our electronic newsletter, provides a global look at IACLE activities. The IACLE Information Interface provides links to eye care news, abstracts and articles from professional associations, journals, website resources, etc. These newsletters are distributed to more than 1500 members, industry contacts and interested individuals worldwide. Each IACLE coordinator develops their own monthly newsletters to the members and industry contacts in their country or region, outlining activities and program participation at the local level in more detail.

Industry Informers are circulated to corporate and regional level industry contacts to keep them informed of IACLE's global accomplishments and to provide program results and their corresponding impact.

The IACLE website (www.iacle.org) has become a very valuable tool for IACLE communications. In addition to the comprehensive program and resource information made available, the website has continued to be developed in order to provide such options as a member discussion forum.

Technical Training Program

In today's competitive educational environment, self-paced, distance learning is in high demand. Presented in a self-study format, the IACLE Technical Training Program is a distance-learning tool designed to provide learners with basic technical knowledge and contact lens terminology. The program assumes that the user is starting with little or no knowledge of the eye or contact lenses,



. . . to facilitate on-going and two-way **communication** with our members and industry sponsors.



making it suitable for the in-house or remote training of industry sales and technical personnel, as well as the training and development of optometric or ophthalmic assistants, receptionists or other front line staff in any clinical contact lens practice.

This interactive educational program consists of six learning units in CD-ROM format:

1. The Eye
2. Introduction to Soft Contact Lenses
3. Soft Contact Lens Fitting
4. Toric Lenses
5. Complications in Contact Lens Wear
6. Soft Contact Lenses for Presbyopia

Each CD-ROM is approximately 45 minutes in length and contains video segments, narration, and graphic screens – providing an enjoyable and engaging learning format. Individuals can study the material at their own pace and in their own time, reviewing the materials as much or as little as needed. A question and answer forum at the

end of each chapter allows for self-evaluation of the knowledge gained. The flexibility of the program allows for independent learning, either in remote locations or in a more traditional classroom setting.

Although the initial development of this program was partially funded through a special educational grant from Ocular Sciences Inc. (OSI), the intellectual property and distribution rights of this program belong exclusively to IACLE, and hence a generic version can be purchased by all IACLE industry sponsors.

Initiated and supported by OSI, the six-unit set was recently translated into Korean and compiled for use in South Korea. Chapter 4 on Toric Lenses was also customised for CIBA Vision this year.

The current generic program can be expanded to include additional topics, such as 'Contact Lens Care and Maintenance' and 'Silicone Hydrogel Lenses for Continuous Wear'.

IACLE is also able to design other interactive teaching tools in this format for any of our industry sponsors, tailored to suit a particular company and its products, or targeted for specific countries (translations possible) and a particular audience. Such self-paced, independent learning tools can significantly reduce the time, effort and costs involved in providing corporate training.

Continuing Education Programs

IACLE recognizes the demand for practitioner education as a means of updating practicing contact lens fitters on the latest research findings and providing them with current product-related information. However, while IACLE has supplied these services to industry sponsors who make requests for practitioner education, this is not one of IACLE's key objectives and as such we have developed and presented these programs only when fully funded through special educational grants. The programs vary widely in that they are tailored to the needs of a particular audience, country or region. The first program was held in 1999 and since that time IACLE has reached more than 2000 practitioners worldwide.

IACLE currently offers three tiers of practitioner continuing education (CE):

Tier 1 CE falls under the FIACLE Leadership Program and is designed so that FIACLEs respond to requests for continuing education on a local or regional level by developing and delivering lectures using IACLE resources. The intention is for the FIACLE to work directly with the industry sponsor or conference organizer to negotiate the terms of their arrangement.

Tier 2 CE is a moderate scale event that is developed and organized by IACLE. Local or regional speakers will be arranged and a session designed that will specifically address the needs of the practitioners in the region or country.

Tier 3 CE is generally a significantly larger program that is organized, managed and presented by global and regional IACLE staff and executive board members.

IACLE industry sponsors who are interested in conducting continuing education programs should contact the IACLE Secretariat for further information.

Advanced Continuing Education Program, India: 25-26 June 2005

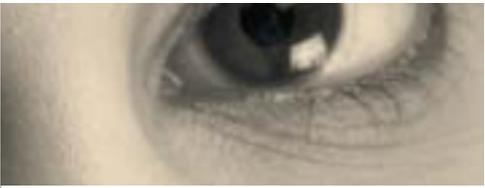
An Advanced Continuing Education (CE) program, sponsored by a special educational grant from Bausch & Lomb, was held in India at the Elite School of Optometry, Chennai on 25-26 June providing 18 hours of education to 28 participants.

The program included lectures, workshops and video presentations covering Spherical and Toric Soft Contact Lens Fitting, Care and Maintenance, Complications, Wear Modalities and Lens Replacement, Contact Lens Options for Presbyopia and for Continuous Wear, as well as Practice Management and Communication. On conclusion, 88% of the participants agreed that they would be more skilled at fitting contact lenses and would dispense more contact lens products based on what they had learned.



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Regional Activities



Region : Africa / Middle East
Coordinator : Leoni Joubert



IACLE Membership

Number of Member Institutions	20
Number of Full Members	30
Number of Associate Educator Members	5
Number of Associate Industry Members	1
Number of FIACLEs	8

Student Trial Exams (STE)

Number of STEs Held	6
Number of Students Writing the STEs	113

Industry Seminars and Workshops

Number of Industry Seminars Held	11
Number of Students Attending Industry Seminars	458
Number of Industry Workshops Held	1
Industry Sponsors who Participated	B&L, CIBA, CooperVision, J&J, AMO

Institution Visits

Number of Institution Visits	6
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Resource Centers

Number of Resource Centers	15
Number of Activated Resource Centers in 2005	2
Number of Institutions Using the IACLE Contact Lens Course	14

Distance Learning Program

Number of Participants in the DLP	4
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Africa / Middle East

IACLE's Impact in Africa / Middle East

IACLE's Regional Coordinator for Africa Middle East, Leoni Joubert, understands the importance of establishing good contact between regional or local industry and institutions. Throughout the year, she has met with industry representatives from Bausch & Lomb, CIBA Vision, CooperVision, AMO and Johnson & Johnson Vision Care to set up Industry Seminars, as well as to discuss the need for interaction with students and educators and the provision of contact lenses and lens care samples for the institutions. These meetings also provide an opportunity to discuss IACLE activities and seek input from these sponsors regarding priorities and strategies for the region.

Regional Council member Fady Geagea, has been lecturing at conferences and visiting schools in Jordan and Saudi Arabia to assist them in developing new programs. He has also been heavily involved in establishing a new school in Lebanon (American University of Science and Technology) where he has implemented a 180 hour course utilizing IACLE resources and the IACLE Contact Lens Course.

Mohamed Higazy (Africa Middle East Regional Secretary), Professor Kollkailah (Head of the Egyptian Ophthalmological Society) and five other Professors from various Egyptian Universities are establishing a private ophthalmic clinical and

teaching centre in Cairo. Mohamed has been appointed the Director of the Contact Lens Clinic and is responsible for the educational courses at the teaching centre. He is making use of the IACLE Contact Lens Course to develop his curriculum.

Major Areas of Impact

Student Trial Exams

Six Student Trial Exams were held in the Africa/Middle East region for 113 students throughout 2005. At three institutions, all of the students who wrote the exam received a passing grade and a fourth institution achieved a 95% pass rate. The remaining two schools achieved unsatisfactory grades and passing rates. These educators will be consulted to determine where changes are needed to their curricula and how IACLE resources can be used to raise the level of knowledge for educators and students.

Industry Seminars

In South Africa, Industry Seminars are conducted by inviting each IACLE industry sponsor individually, rather than as a group, to the institution to make presentations to the students. Representatives from Bausch & Lomb, CIBA Vision, CooperVision, AMO and Johnson & Johnson Vision Care participated in the six Industry Seminars programs held throughout the year.

In September, representatives from Bausch & Lomb, CIBA Vision, CooperVision and Johnson & Johnson Vision Care attended a congress for students from all South African institutions. They delivered talks about their products and services.

Industry Seminars throughout the Africa/Middle East region will be encouraged in 2006.

Six Student Trial Exams were held in the Africa Middle East region for 113 students throughout 2005.

Institution Visits

In the months of September, October and November, visits to the University of the Free State (UOFS), the University of Kwa Zulu Natal, and The University of Limpopo (previously UNIN) were conducted to meet with IACLE members, tour the IACLE Resource Center and administer the Student Trial Exam. These trips also provide the opportunity to assess their contact lens programs and the IACLE resources that are utilized. As well, educators were given suggestions on how to make modifications to their curricula that will improve the level of contact lens education.

Asia Pacific

Over the past 18 months, IACLE has worked to reorganize our Asia Pacific regional structure.

Late in 2004, Lakshmi Shinde of India took on the part-time role of Asia Pacific Regional Coordinator, working with the IACLE Executive Board to develop strategies and manage IACLE's activities throughout the region. She continues to share her time with the International Center for Eyecare Education (ICEE).

By assessing areas of need and with input from our industry sponsors, it was determined that focus on China, India, Korea and Indonesia was required. As a result, in 2005 several additional changes were made. Cheni Lee accepted the part-time role of Assistant Regional Coordinator and in addition to working with IACLE members in Indonesia she is focusing her time and efforts on several global projects and the implementation of educational

programs in those Asia Pacific countries with no National Coordinator.

After reviewing membership activity and rationalizing how to best allocate financial and human resources, the Executive Committee closed the IACLE Philippines office on July 1st, 2005. Members in the Philippines now work directly with the Asia Pacific regional office of IACLE.

Increased membership and activity in China has resulted in the addition of a part-time Administrator, Chu MinLi and a part-time Assistant Coordinator Lui LongQian, both of whom work closely with China National Coordinator Qu XiaoMei.

Lakshmi, Cheni and the Asia Pacific region are supported by Kavitha Jayanna of India as the Asia Pacific Regional Administrator.



Region : Asia Pacific
Country : China
Coordinator : Qu XiaoMei (Shanghai)
Assistant Coordinator : Lui LongQian (Chengdu)



IACLE Membership

Number of Member Institutions	46
Number of Full Members	90
Number of Associate Educator Members	1
Number of Associate Industry Members	3
Number of FIACLEs	3

Student Trial Exams (STE)

Number of STEs Held	5
Number of Students Writing the STEs	77

Industry Seminars and Workshops

Number of Industry Seminars Held	1
Number of Students Attending Industry Seminars	40
Industry Sponsors who Participated	B&L, J&J, AMO

Institution Visits

Number of Institutions Visited	3
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IACLE Meetings

Number of Educator and Update Meetings Held	1
Number of Attendees at Educator and Update Meetings	32

Resource Centers

Number of Resource Centers	21
Number of Activated Resource Centers in 2005	11
Number of Institutions Using the IACLE Contact Lens Course	26

Asia Pacific : China

IACLE's Impact in China

For the last several years, IACLE has focused our efforts on increasing activity in China as we strive to raise the level of contact lens education, which will result in more qualified contact lens fitters and practitioners to meet the Chinese market's growing demand for this form of vision correction.

In 2003 there were 74 members who participated in IACLE programs on a limited basis. Today, due to the strong relationships that IACLE's National Coordinator Qu XiaoMei has with both members and local industry representatives, we are seeing not only an increase in our membership to the current level of 94 full and associate members, but also an increase in activity.

IACLE continues to translate the modules of the IACLE Contact Lens Course into both Traditional and Simplified Chinese. Module 7 will be ready to distribute to IACLE Resource Centers throughout China in early 2006.

Wherever possible, we also provide programs such as the Student Trial Exam and Accreditation Exam in Chinese. In addition to the monthly Chinese national newsletter, the IACLE News & Views, Industry Informer and Information Interface are translated and distributed to Chinese members and industry sponsors. The first phase of the new multiple-choice question (MCQ) format of the Distance Learning Program was recently completed, and this too is currently being translated into Chinese, to be made available to members early next year. Additional phases of this program will also be translated as they are released.

Major Areas of Impact

Intensive Training Program

China has been a priority country for IACLE in recent years and to rapidly raise the knowledge level of contact lens educators, IACLE initiated the concept of providing five-day intensive training programs. Since November 2001, five such programs have been held.

The fifth intensive training program in China was held at Donghua University in Shanghai from 24-28 October and focused on educators from 2- and 3-year optometry programs. A total of 24 educators from 17 institutions that support 2- and 3-year optometry programs in China were invited to participate in this training program, while several industry representatives also attended.

It was rewarding to see the knowledge level of these educators impacted so significantly by this training program. Of the 24 attendees, 22 participated in a knowledge evaluation exercise both prior to and following the training program. The results of the post training exercise showed an increase in the overall mean percentage score of 26% and a pass rate of 100%.

Student Trial Exams

In 2005, 77 students from five institutions sat for the Student Trial Exam. Beijing Polytechnical University, China Medical University and Jin Lin Institute of Technology have all been identified as institutions that offer 3-year optometry programs. These schools, along with Zhongshan Ophthalmology Center and West China Medical University conducted the exam for the first time.

Students from both West China University and China Medical University achieved a 100% pass rate.

Institution Visits

Throughout the year, visits to Wenzhou Medical University, Tianjin Medical University and DongHua University were conducted. These visits to institutions provide the opportunity to tour IACLE Resource Centers, examine the contact lens labs, meet with educators to discuss their contact lens programs and present them with IACLE resources. Those educators that were not members of IACLE were presented

with information about our programs and were encouraged to apply for membership.

Industry Seminars

IACLE continues to encourage our Chinese members and their institutions to participate in Industry Seminars. This year only one Industry Seminar was held at EENT Hospital of Fudan University for 40 students. Representatives from IACLE industry sponsors AMO, Bausch & Lomb and Johnson & Johnson Vision Care discussed lens care products, silicone hydrogel lenses and lenses for presbyopia.



REGIONAL ACTIVITIES

Region : Asia Pacific
Country : India
Coordinator : Lakshmi Shinde



IACLE Membership

Number of Member Institutions	52
Number of Full Members	65
Number of Associate Educator Members	9
Number of Associate Industry Members	4
Number of FIACLEs	20

Student Trial Exams (STE)

Number of STEs Held	9
Number of Students Writing the STEs	188

Industry Seminars and Workshops

Number of Industry Seminars	9
Number of Students Attending Industry Seminars	339
Number of Industry Workshops	7
Industry Sponsors who Participated	AMO, B&L, CIBA, J&J Cooper/OSI, AMO

IACLE Meetings

Number of Educator and Update Meetings Held	1
Number of Attendees at Educator and Update Meetings	27
Number of Practitioner Continuing Education Programs Held	1
Number of Attendees at Continuing Education Programs	28

Institution Visits

Number of Institutions Visited	6
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Resource Centers

Number of Resource Centers	29
Number of Activated Resource Centers in 2005	3
Number of Institutions Using the IACLE Contact Lens Course	34

Distance Learning Program

Number of Participants in the DLP	13
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Asia Pacific : India

IACLE's Impact in India

Lakshmi Shinde, National Coordinator for India and Asia Pacific Regional Coordinator, shares her time with the International Center for Eyecare Education (ICEE). This collaboration has benefited both organizations and the educators, as Lakshmi is able to offer a broader approach to eye care education and resources.

IACLE membership in India continues to grow, with an additional 12 members in 2005, bringing the total to 78 full, associate educator and associate industry members. 100% of full members of IACLE in India actively participate in IACLE programs and utilize IACLE resources.

Through the direction and guidance of Regional Coordinator Lakshmi Shinde, members participate in an on-line discussion group on a variety of topics. This interaction helps to establish an infrastructure of communication and support amongst educators throughout the country.

Major Areas of Impact

FIACLE Activity

Following the 5th administration of the Accreditation Exam in October 2004, six members in India applied, and were approved, for Level 1 FIACLE status, bringing the number of Indian FIACLES to 20 in total.

Several FIACLES in India are becoming more active in their eye care communities and have been invited to participate in continuing education

programs at the local and national levels. Many organized and participated in World Sight Day activities and activities during the Special Olympics.

Industry is also taking the opportunity to use these valuable resources. For example, AMO in India has invited Rajesh Wadhwa and others to provide product-related training to their technical sales personnel and local practitioners.

Student Trial Exams

In 2005, nine Student Trial Exams were held at institutions throughout India for 188 students. Each institution was presented with their results and recommendations as to how modifications can be made to their programs that may assist students in improving their knowledge in those areas that have been identified as requiring additional emphasis.

The following comment was received from Monica Chaudhry from AIIMS regarding the IACLE Student Trial Exam:

"I feel I will now get into more interactive teaching which will involve the students more. Also I want [to] have the target of improving their dispensing and optics which is very much lacking at present."

Educator Meetings

On 27-28 March 2005, an Educator Meeting was held for 27 members and four industry sponsors (AMO, B&L, CIBA, J&J) at Bharati Vidyapeeth in Pune.

In addition to a presentation by Regional Coordinator Lakshmi Shinde on IACLE activities, interactive discussions with members and industry representatives about Product Information Days (Industry Seminars) and the contact lens market in India, as well as didactic lectures on such topics as keratoconus, silicone hydrogel lenses, and scleral lens fitting (which included a practical demonstration) filled the program.

The second day offered lectures on communication and presentation skills, as well as lectures given by several IACLE members.

Continuing Education

In 2003 IACLE developed and launched the “Advanced Contact Lens Education Program”, funded through a special educational grant from Bausch & Lomb. During 2003 and 2004, three programs were held for 125 delegates. A fourth program was held in June of 2005 at the Elite School of Optometry for 28 practitioners.

The first day of the program consisted of lectures on spherical and toric soft contact lens fitting. On the second day, following a presentation on



communications skills, the audience was divided into smaller groups and presented with case studies. Each group was required to present a solution to their case, the results of which were discussed with the entire audience.

Almost all attendees who rated the program agreed that the information presented in the lectures was directly applicable to their practice, that they will be more skilled at fitting contact lenses (spherical and toric soft contact lenses, and bifocal contact lenses) after the lectures and that they will dispense more contact lens products based on what they learned during the meeting.

Bausch & Lomb India has scheduled two further continuing education meetings for the first quarter of 2006.

While these programs are financially supported by Bausch & Lomb in India, IACLE recognizes the contribution of all industry sponsors in supporting contact lens education and the development of IACLE programs and resources.

Industry Seminars

Industry Seminars, referred to as IACLE Product Information Days in India, continue to be very popular with both industry sponsors and educators throughout the country. In 2005, more than 300 students participated in nine Product Information Days.

IACLE works with each institution and the participating industry sponsors to develop a unique agenda. For instance, at the Elite School of Optometry, in addition to contact lens product related presentations, Neeraj Dabral (Bausch &

Lomb) presented a topic on practice management that was well received by the students.

At the Lotus College of Optometry, Amod Gogate (Johnson & Johnson) and Anand Nayal (CIBA Vision) provided presentations on their products, with students participating in an interactive question session. At the Bharati Vidyapeeth Deemed College of Optometry, Rajesh Wadhwa and Anand Mote (AMO) conducted a quiz, distributed kits for the students and sponsored a lunch for the faculty.

At Aditya Jyot Institute of Optometry and Government Medical College, workshops on spherical and toric contact lens fitting and slit lamp biomicroscopy demonstration were held for the students.

All of the programs held were well received by the students, faculty and industry sponsors alike. An educator at Lotus College of Optometry offers the following comment:

“The students immensely enjoyed the sessions as this was their very first exposure to Industry. As an IACLE Resource Centre we were happy to give Industry an opportunity to have interaction with their future practitioners. We once again thank IACLE India for helping us organize this event”.

Institution Visits

Six schools were visited throughout India this year. These visits have offered the opportunity to tour Resource Centers, discuss Student Trial Exam results, work with educators and heads of schools to revise contact lens lectures to improve the quality of knowledge, hold educator meetings and recruit new members to IACLE.

REGIONAL ACTIVITIES

Region : Asia Pacific
Country : Indonesia
Coordinator : Cheni Lee



IACLE Membership

Number of Member Institutions	21
Number of Full Members	33
Number of Associate Educator Members	19
Number of FIACLEs	10

Student Trial Exams (STE)

Number of STEs Held	6
Number of Students Writing the STEs	195

Industry Seminars and Workshops

Number of Industry Seminars Held	3
Number of Students Attending Industry Seminars	144
Number of Industry Workshops Held	1
Industry Sponsors who Participated	CIBA, J&J

Institution Visits

Number of Institutions Visited	2
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Resource Centers

Number of Resource Centers	10
Number of Institutions Using the IACLE Contact Lens Course	8

Distance Learning Program

Number of Participants in the DLP	7
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Asia Pacific : Indonesia

IACLE's Impact in Indonesia

The revised contact lens curriculum for optometry, which was finalized by the Ministry of Health and based primarily on the IACLE Contact Lens Course, has now been implemented in the schools throughout Indonesia. Unfortunately, many schools are still lacking in instrumentation for their contact lens labs, as well as dedicated contact lens lecturers. While IACLE is unable to provide instrumentation, our involvement in these schools is making a difference for educators and students.

Last year a Reverse Educator Fellowship was conducted at Akademi Refraksi Optisi (ARO) Kader Bangsa – a relatively new optometry school - with a group of four educators. Since that time there has been an increase in interest from both educators and students and a steady improvement in scores on the Student Trial Exam. Ester Wijaya, Director of the School offers the following feedback:

“The direct involvement of IACLE in our school had brought significant changes in the educators’ way of teaching... It is interesting to see so much keenness, interest and initiative to study Contact Lens[es] from both the educators and students.”

Major Areas of Impact

Provision of Resources

Following the release of IACLE Contact Lens Course Module 7 – Contact Lens Related Ocular Complications, translation into Bahasa (Indonesian) is underway. Having the IACLE modules and CDs available in their native language has opened many doors for these educators.

Wahyu Raharja of Akademi Refraksi Optisi (ARO) Gapopin provides the following comment in regard to IACLE’s provision of resources:

“Before IACLE enter[ed] Indonesia, we prepared teaching material from a few textbooks and several product knowledge literatures from our contact lens distributors...We cannot buy textbooks and journals from our local bookstore...Now the situation is completely changed. IACLE has done tremendously an excellent job both in contact lens education in providing world-class materials ranging from printed materials (modules, slides and CDs) and for practitioners through CE session lectured by FIACLES. We are being cared [for] by IACLE in a systematic way through their programs. Besides this, IACLE had done even further by providing teaching materials in Bahasa. As a lecturer, we can easily select and practice our teaching materials before we present it in front of our class.”

Student Trial Exams

Six Student Trial Exams were held for 195 students throughout 2005. It is encouraging to see the improvement in student scores as a result of IACLE’s involvement in contact lens education at these schools.

Febry Corina of Akademi Refraksi Optisi (ARO) Padang offers the following comments after they received their STE results:

“We are very happy to know that our 3rd year students passed this international exam. All these years we know that we are weak in areas like Ocular Response and [Contact Lens] Complication[s]. Our school does not have an internal contact lens clinic but only a [contact lens] laboratory where student[s]

bring in their juniors as [contact lens] patients. We don't see cases of contact lens complications. So this is difficult for us to show this to the students. But now that we have the printed version and CD on Module 7, we are able to show our students all the cases that can happen to a contact lens patient...Thank you IACLE for all the excellent resources (Modules, CDs, Videos) that help us to achieve this pass grade this year."

IACLE Member and FIACLE Activity

There are currently 52 members in Indonesia – 33 who are considered full members and 19 that are associate educator members. Of these members, ten have achieved FIACLE status.

Both IACLE members and FIACLEs regularly conduct lectures on behalf of their professional associations, are invited speakers at continuing education programs and are asked to provide training to staff and practitioners at chain optical outlets.

Industry Seminars

Due to issues surrounding travel to the outlying schools, Industry Seminars are not widely adopted in Indonesia. However, IACLE industry sponsors CIBA Vision and Johnson & Johnson Vision Care continue to support the optometry schools by donating trial lens sets and solutions.

Two Industry Seminars were held at ARO Leprindo in Jakarta and one at ARO Surabaya throughout the year and were presented by Johnson & Johnson Vision Care. A program was held at ARO Surabaya on 24 March for 66 third-year students and another program was held at ARO Leprindo on 4 June for 49 graduating students. The second program held

at ARO Leprindo was held on 18 October for a group of 29 students who were all previously staff in optical shops and have returned to study optometry.

One of the third-year students offered the following comment:

"This session is very informative and this should be conducted every year. We are able to know more about other products besides the regular soft lens that we are fitting during our externship in optical [shops]. So now we have become more selective and aware of other products available in the Indonesia market."

Institution Visits

School visits offer an excellent opportunity for our coordinators to meet with educators, tour the IACLE Resource Center, assess the institutions' contact lens courses, and conduct IACLE programs. Two schools visits were conducted in Indonesia throughout in 2005.

The first visit was to ARO Surabaya in March. The Director of the School welcomed IACLE and is recommending to several educators to become members and to actively participate in IACLE programs. An Industry Seminar was held during this visit.

In June, ARO Gapopin was visited in conjunction with the administration of the Student Trial Exam. Educators and students alike have access to the IACLE Resource Center and the Bahasa copies of the IACLE Contact Lens Course modules are actually wearing out due to frequent usage. We will be providing new copies of these modules to the Resource Center.

Region : Asia Pacific
Country : South Korea
Coordinator : Lakshmi Shinde



IACLE Membership

Number of Member Institutions	20
Number of Full Members	22
Number of Associate Industry Members	2
Number of FIACLEs	6

Student Trial Exams (STE)

Number of STEs	9
Number of Students Scheduled to Write the STEs	580

Industry Seminars and Workshops

Number of Industry Seminars	7
Number of Students Attending Industry Seminars	451
Number of Industry Workshops Held	4
Industry Sponsors who Participated	Alcon, AMO, B&L, J&J, OSI, CIBA Vision

Resource Centers

Number of Resource Centers	9
Number of Activated Resource Centers in 2005	2
Number of Institutions Using the IACLE Contact Lens Course	9

Asia Pacific : South Korea

IACLE's Impact in South Korea

As a way of effectively communicating with IACLE members in South Korea, Professor Jai Min Kim volunteered to become the Country Representative for IACLE in South Korea. Professor Kim is corresponding with members and coordinating educational activities.

Four educators became members of IACLE in 2005, bringing the current total to 22 full and two associate industry members in South Korea, six of which have achieved FIACLE status.

Major Areas of Impact

Translation of Programs

IACLE is responding to the need for programs and resources that are available in Korean. This year, the Student Trial Exam was translated and made available to our members' students, which has resulted in nine exams scheduled in 2005. IACLE is continuing to assess the needs of IACLE members in South Korea and translation of other programs and resources is being considered.

Student Trial Exams

With the Student Trial Exam now available in Korean, exams have been successfully held at both Chodang and Seoul Health College for 180 students. An additional seven exams for more than 400 students have been scheduled to the end of the year.

Industry Seminars

Industry Seminars have been well received by students and educators in South Korea. Five

seminars were held throughout the year at four institutions.

At Seoul Health College, an Industry Seminar was held on 17 March for 200 students, with Bausch & Lomb, Johnson & Johnson, CIBA Vision, Cooper Vision/OSI and Alcon in attendance. At Seoul National University of Technology, an Industry Seminar was held on 2 May for 61 students, with Bausch & Lomb, Alcon and AMO representatives making presentations and distributing trial lens sets to the students. Silicone hydrogel and bifocal lenses were also discussed. A second Industry Seminar was held on 9th May for 58 students, with Johnson & Johnson Vision Care, CIBA Vision and Ocular Sciences, A CooperVision Company, in attendance.

Comment from an Educator at Seoul Health College:

"We had a great time thanks to IACLE. Students and I know that it is not easy to have an opportunity to meet [six] different industries at a time. I really appreciate you and other IACLE's members."

On 8 September, an Industry Seminar was held at Yeojoo Institute of Technology for 52 students and representatives from Alcon, Bausch & Lomb, Johnson & Johnson Vision Care, and Ocular Sciences, a CooperVision Company.

A fourth Industry Seminar was held at Daebul University on 28th October for 80 students. Representatives from Alcon, Bausch & Lomb and Ocular Sciences, a CooperVision Company, made presentations to the students and faculty.

Two additional Industry Seminars are scheduled for the remainder of 2005.

Region : Europe
Coordinator : Gail van Heerden
Regional President : Judith Morris



IACLE Membership

Number of Member Institutions	69
Number of Full Members	96
Number of Associate Educator Members	3
Number of Associate Industry Members	8
Number of FIACLEs	24

Student Trial Exams (STE)

Number of STEs Held	3
Number of Students Writing the STEs	163

IACLE Meetings

Number of Educator and Update Meetings Held	3
Number of Attendees at Educator and Update Meetings	127

Resource Centers

Number of Resource Centers	46
Number of Activated Resource Centers in 2005	11

IACLE's Impact in Europe

IACLE is very fortunate in that Judith Morris, IACLE Regional President for Europe, continues to volunteer her time and is actively involved in planning and implementing programs in the region. Judith has, on numerous occasions, represented and promoted IACLE and contact lens education at various events throughout the region.

Despite the limitations of geographical and educational diversity throughout Europe, IACLE membership continues to grow, with an additional 15 members approved in 2005. This brings our total membership in the region to 96 full members, three associate educator members, and eight associate industry members.

It is encouraging to see so much interest from our industry sponsors in the region. They actively participate in programs, regularly communicate with Judith Morris and offer input into setting priorities and strategies for the region.

Major Areas of Impact

Student Trial Exams

IACLE Student Trial Exams were introduced last year in the UK. This year, an exam was held once again at Aston University for 109 students. The STE was also conducted for the first time at Cardiff University for 18 students. When compared to results from last year, we have identified areas where further emphasis is required and will work with the educators to make suggestions about how

the students' knowledge in these areas can be improved.

A further Student Trial exam is scheduled to be held at Anglia Polytechnic later this year.

Educator Meetings

Several educational and update meetings were held throughout the year.

An IACLE Educator Meeting was held in the Netherlands on 14 January 2005 at Deltion College and was facilitated by Wim Borst and Ron de Lau. This is the third year in a row that this meeting was held and it was reported that the overall outcome of the meeting was a strengthening of the foundation of contact lens education in the Netherlands.

IACLE had the privilege of participating in the European Council of Optometry and Optics (ECOO) and Association of European Universities, Schools and Colleges of Optometry (AUESCO) meeting in Krakow, Poland in May. IACLE President Judith Morris, along with FIACLEs James Wolffshon and Shezad Naroo were included on the educational program and represented IACLE.

Each year, an IACLE Europe Update and Members Meeting is conducted during the annual British Contact Lens Association (BCLA) meeting in Brighton. This is an opportunity to meet with IACLE members and industry sponsors to discuss and map out strategies for promoting contact lens education throughout the region over the year.

Translation of Contact Lens Course

IACLE is very proud to be able to offer translated versions of the IACLE Contact Lens Course in our members' native languages. Unfortunately, the cost of these projects limits the number of languages that we are able to offer.

Fortunately, there are active and enthusiastic IACLE members in Europe who have approached IACLE about working on translating selected sections from the modules. For instance, Gythe

Grosemans in Belgium is in the process of translating several units from the Course to be used by our French speaking members, and Italian FIACLE Montani Giancarlo is translating specific slides from the modules into Italian. As well, several graduate students in Germany have begun translation of the slides of the IACLE Contact Lens Course into German. We are excited about the doors that will be opened for educators in these countries as a result of these projects.



REGIONAL ACTIVITIES

Region : Latin America
Coordinators : Sergio Mario Garcia
 Percy Lazon de la Jara



IACLE Membership

Number of Member Institutions	39
Number of Full Members	66
Number of Associate Educator Members	7
Number of Associate Industry Members	2
Number of FIACLEs	10

Student Trial Exams (STE)

Number of STEs Held	1
Number of Students Writing the STEs	39

Industry Seminars and Workshops

Number of Industry Seminars Held	22
Number of Students Attending Industry Seminars	820
Number of Industry Workshops Held	104
Industry Sponsors who Participated	B&L, CIBA, J&J, Cooper/OSI, Alcon

IACLE Meetings

Number of Educator and Update Meetings Held	2
Number of Attendees at Educator and Update Meetings	60

Resource Centers

Number of Resource Centers	27
Number of Activated Resource Centers in 2005	4
Number of Institutions Using the IACLE Contact Lens Course	18

Distance Learning Program (DLP)

Number of Participants in the DLP	8
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Latin America

IACLE's Impact in Latin America

IACLE said goodbye this year to Percy Lazon de la Jara as he completed his PhD studies and accepted a position at the Institute for Eye Research in Sydney Australia. Percy spent ten years working as the Latin America Regional Coordinator and had an incredible impact on contact lens education in the region.

Following Percy's departure in August, Sergio Mario Garcia accepted the position of Regional Coordinator on a part-time basis. Sergio has been a contact lens educator in both optometry and ophthalmology programs in Colombia for more than 20 years. He started his own contact lens laboratory and has a successful optometric practice in Bogotá, where he treats specialty patients. He is well known throughout the region and is regularly invited to lecture at conferences and meetings.

Major Areas of Impact

Industry Seminars and Workshops

Industry Seminars and Workshops have been very popular in Latin America. Excellent relationships with industry in the region spearheaded this initiative, which has since evolved to include the addition of Industry Marketing Seminars and Industry Workshops.

Throughout the year, 22 Industry Seminars were held at ten institutions. These same institutions held 40 workshops on such topics as spherical and toric soft contact lenses, spherical gas permeable lenses, silicone hydrogel lenses, contact lenses for presbyopia, and gas permeable lens modification.

Representatives from Alcon, Bausch & Lomb, CIBA Vision, CooperVision, Johnson & Johnson Vision Care, Ocular Sciences, a CooperVision Company participated in these product/marketing seminars and workshops.

Educator Meetings

As identified in the results of the Accreditation Exam, IACLE identified areas where additional focus is required for IACLE members in Colombia and Mexico. For instance, when IACLE designed the agenda for Educator Meetings held in Colombia in June of this year, the agenda focused specifically on the areas of "*Patient Examination and Contact Lens Delivery*", "*Ocular Responses to Contact Lens Wear*" and "*Contact Lens-related Complications*".

The two meetings were presented by six IACLE members and FIACLEs, were attended by 50 educators and provided 20 hours of lectures and workshops. Six representatives of IACLE industry sponsors attended the meetings and participated in the workshops.

IACLE Member and FIACLE Activity

IACLE members and FIACLEs throughout the region have always been active in organizing and conducting educational programs. In Peru, the FIACLEs have been working with industry to conduct continuing education programs. The programs covered topics such as corneal topography, management of presbyopia with multifocal contact lenses, astigmatism and toric soft contact lenses, and multifocal rigid gas permeable lenses.

FIACLEs from Colombia, Mexico, Uruguay and Chile have also been particularly active in

presenting continuing education programs in their countries and throughout the region.

Translation of Contact Lens Course

Translation of the IACLE Contact Lens Course into Spanish continues and in 2005, Module 7 on Contact Lens Related Ocular Complications was translated and distributed to all IACLE Resource Centers throughout the region. With the growing sales of CD sets, production of these resources has commenced in Colombia for distribution to members and students.

Institution Visits

Regional Coordinator Sergio Garcia has been invited to speak at conferences in Chile and Peru and has taken this opportunity to visit Escuela Superior Privada de Optica y Optometria in Lima, Peru as well as INFOMED, Instituto de Optica y Contactologia in Santiago and Universidad Catolica de Valparaiso in Valparaiso, Chile. He

met with Deans, Directors and educators of the schools to discuss IACLE programs and activities and to promote IACLE membership.

Three institutions in Colombia were also visited to tour IACLE Resource Centers, assess curricula and offer suggestions on how to make modifications to programs that will have the most impact on student knowledge.

Student Trial Exams

A Student Trial Exam was held at one institution in 2005 for 39 students. Guidance was given about how to use IACLE Resources and suggestions were made about which equipment should be obtained. As well, modifications to the contact lens curriculum were recommended that would assist them in providing the necessary training required to raise the level of knowledge of the students.



Region : North America

IACLE Membership

Number of Member Institutions	25
Number of Full Members	33
Number of Associate Educator Members	2
Number of Associate Industry Members	8
Number of FIACLEs	4

Student Trial Exams (STE)

Number of STEs Held	3
Number of Students Writing the STEs	128

IACLE Meetings

Number of Educator and Update Meetings Held (Representatives at AOCLE)	1
Number of Attendees at Educator and Update Meetings	2

Resource Centers

Number of Resource Centers	5
Number of Activated Resource Centers in 2005	1
Number of Institutions Using the IACLE Contact Lens Course	18

North America

IACLE's Impact in North America

IACLE currently has 43 members at North American institutes, 25 of whom participated in the Accreditation Exam over the years and currently hold the status of Fellow of IACLE (FIACLE).

While members in North American schools generally have full access to resources, many find the IACLE Contact Lens Course to be a valuable addition that is widely used in preparing lectures for their students.

These educators are generous in their contributions to IACLE and eager to work with educators from around the world. Most recently, each educator that attended the AOCLE Annual Workshop contributed images that will be compiled into a new Image Library CD that will be distributed to all IACLE Resource Centers and AOCLE members.

Major Areas of Impact

Student Trial Exams

For the second year in a row, the University of Waterloo has held the Student Trial Exam for graduating students. Held on a voluntary basis, 45 fourth year students sat the exam this year. This program is valuable in that it identified areas that students needed to focus on as they prepared for their National Board Exams, which immediately followed graduation.

The exam is also being promoted to IACLE members at institutions in the United States. For the first time, an exam was held at the Pacific University College of Optometry for 82 students. One additional exam was held for a contact lens resident at the Illinois College of Optometry.

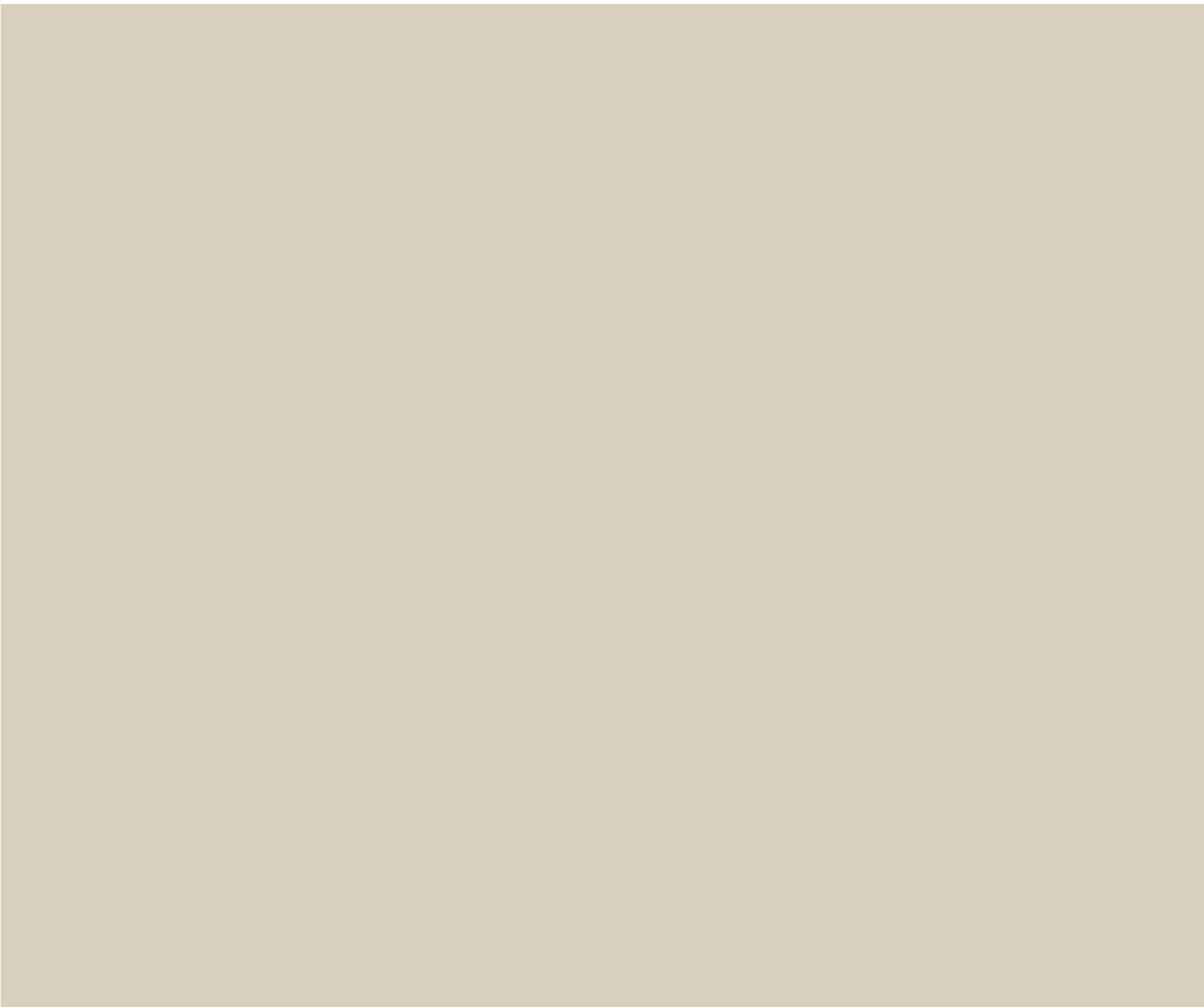
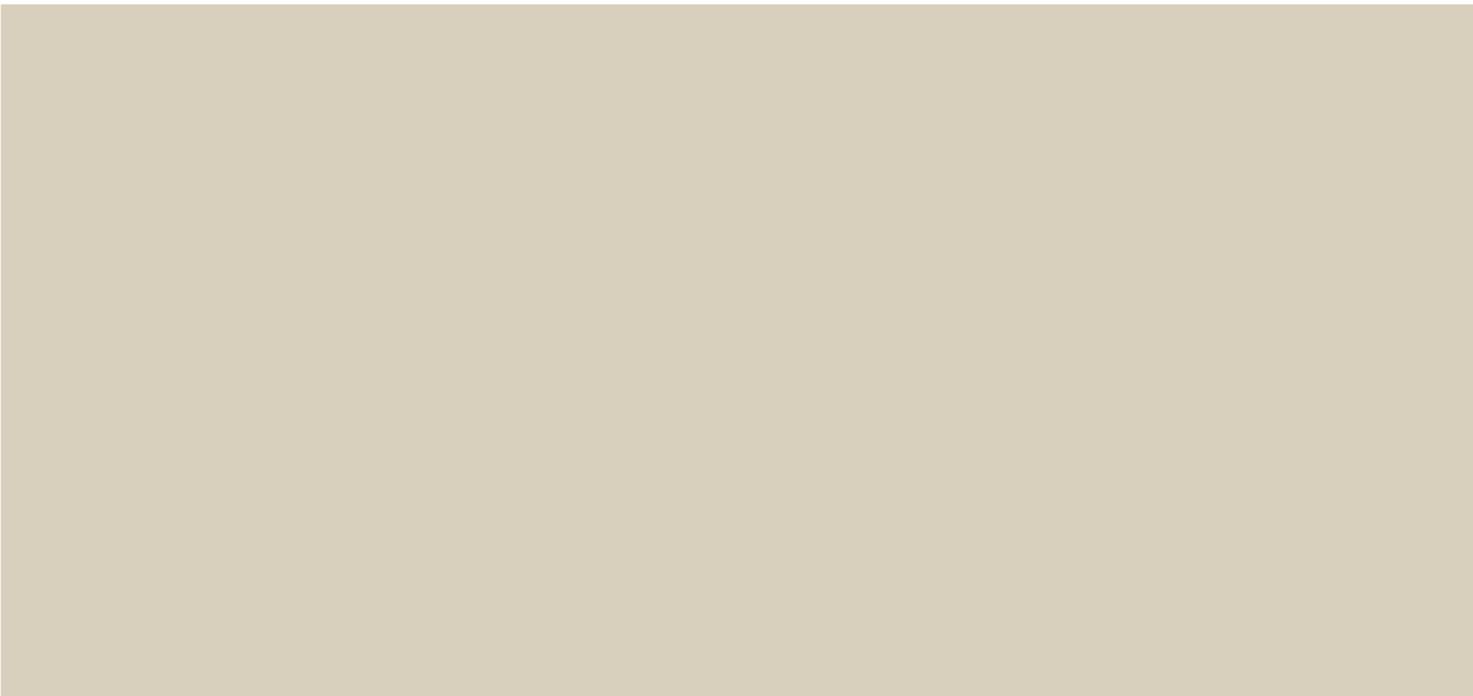
Educator Meeting

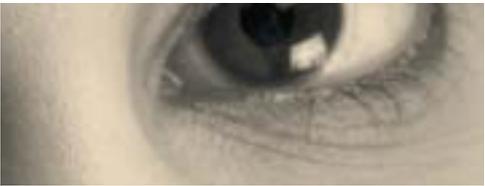
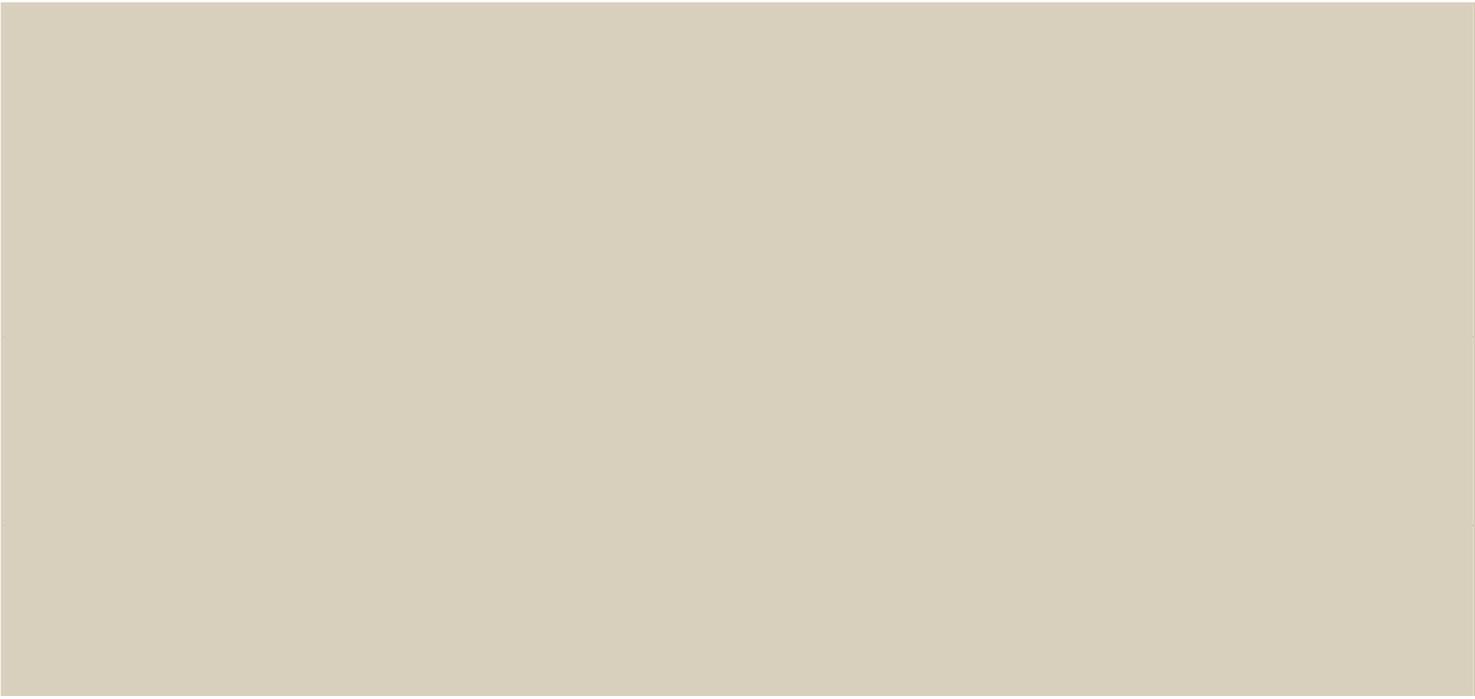
Once again IACLE was invited to participate in the Association of Optometric Contact Lens Educators (AOCLE) Annual Workshop. This year's meeting was held at the Michigan College of Optometry from 2-5 June. IACLE members Javier Gonzalez (Portugal) and Wim Borst (The Netherland) were selected to represent IACLE at this meeting and participate in the program.

Each AOCLE member was asked to donate an image to IACLE for inclusion in an image library that will be available on CD. The response was overwhelming and will result in a valuable resource for both IACLE and AOCLE members.

IACLE Resources for Students

Educators at the University of Waterloo have chosen the IACLE Contact Lens Course as the required textbook for the third year contact lens program. The new CD-ROM format provides students with both the text version of the modules, as well as coloured slides and images.





Appendix: FIACLE Profiles





Mohamed Higazy

Africa / Middle East FIACLE Profile

Following his undergraduate and masters levels degrees, Dr. Mohamed Higazy graduated from Benha Faculty of Medicine, Zagazig University (now Benha University) in Egypt in 1994 with a PhD in Ophthalmic Surgery and Medicine. In 1997, he undertook a three-month post-doctoral fellowship at the Centre for Contact Lens Research in the School of Optometry, University of Waterloo.

While continuing his graduate studies, Mohamed worked in the teaching hospital at Benha University where he completed a full-time ophthalmic residency program from 1985 to 1988. His career in contact lens education began in 1988 with his appointment as Ophthalmologist-in-Charge of the Contact Lens and Ophthalmic Clinic at the Al-Dar Hospital in Saudi Arabia.

In 1990, he became an Assistant Lecturer of Ophthalmology at the Benha Faculty of Medicine, Zagazig University, which was followed by Lecturer of Ophthalmology and Director of the Contact Lens Clinic in 1994.

An IACLE member since 1997, Mohamed has become involved in programs and dedicated time to IACLE in many ways. Passing the IACLE Accreditation Examination in his first sitting in 1998, he has been a Fellow of IACLE since 1999. He accepted the role of Secretary on the Africa/Middle East Regional Council in 2004 and has been re-elected to this position for the next two year term.

Mohamed has generously contributed to contact lens education in Egypt and has been actively involved in working towards IACLE's global aim of increasing the number of qualified contact lens practitioners and the quality of education taught.

In addition to his role at Benha University, Mohamed and several colleagues opened a private clinical and educational center in Cairo - The Egyptian Eye Academy (EEA) in September 2005. Appointed as the Director of the Contact Lens Clinic and educational courses at the academy, he will make use of the IACLE Contact Lens Course to provide the most up to date contact lens education to future practitioners in Egypt.

"I am very glad to be a member and a Fellow of IACLE. I think the excellent service IACLE is providing in contact lens education worldwide is of utmost importance to ophthalmologists, optometrists and workers in the field of contact lenses. I would like to thank IACLE for this great effort."

Quick Facts

FIACLE	Mohamed Higazy
Institution	Benha University (previously Zagazig University), Department of Ophthalmology, Egypt The Egyptian Eye Academy, Egypt
Teaching	Corneal Diseases Corneal Pathology Ophthalmic Basics – Basic Optics Ophthalmic Basics – Contact Lens Fitting
Affiliations	Board Member – Egyptian Ophthalmological Society (EOS), since 2000 Member – Alcon ‘Red Eye Group’, 2004
Joined IACLE	1997
FIACLE Achieved	1999
Continuing Education	Key Note Speaker – Ocular Allergy and GPC in Rome, 2005 Coordinator of Bi-annual Contact Lens Course presented to Ophthalmologists from 1998 to present Presentations to Ophthalmologists through the Ministry of Health
Publications	15 Articles Three Booklets
Other	Initiated the ‘Contact Lens Club’ – a scientific club under the auspice of the Egyptian Ophthalmological Society. The aim of this club is to promote Contact Lens Education among Egyptian Ophthalmologists Has provided contact lens-related articles to Egyptian newspapers



Koon-ja Lee

Asia Pacific FIACLE Profile

In 1980, Prof. Koon-ja Lee graduated from Yonsei University in South Korea with an undergraduate degree in Biochemistry and began her professional career as a Laboratory Researcher with the Environmental Chemistry Lab at the Korea Atomic Energy Research Institute.

In 1982 she returned to the Yonsei University as a Researcher at the Institute of Natural Sciences, School of Science, as well as a Teaching Assistant in the Department of Biochemistry. In 1984, she moved to the Department of Anatomy, School of Medicine, Hanyang University as a Teaching Assistant and later as a full-time Lecturer.

Koon-ja was again ready for a new challenge when she accepted the position of full-time Lecturer with the Department of Ophthalmic Optics, Seoul Health Junior College, where she was promoted to Associate Professor in 1990 and where she remains to date.

During this time, Koon-ja continued her graduate work, obtaining a masters degree in Biochemistry and ultimately earning her PhD in 1994.

Well known and respected among her colleagues and industry professionals in South Korea, she has been responsible for many of the publications appearing in Korean newspapers and magazines.

Presently, she is taking a sabbatical from Seoul Health College and is working under the supervision of Dr. Sarita Soni at Indiana University in the US, focusing on the areas of orthokeratology fitting and histological changes in the cornea by an OrthoK lens.

Koon-ja has been a member of IACLE for 10 years and has actively participated in IACLE programs. In 2000 she undertook and passed the IACLE Accreditation Exam and her application for FIACLE status was approved. She has also administered the IACLE Student Trial Exam at Seoul Health College in 2001, 2004 and 2005, and has participated in Industry Seminars each year since 2003.

Quick Facts

FIACLE	Koon-ja Lee
Institution	Seoul Health College, South Korea
Teaching	Currently a visiting scholar (on sabbatical) at Indiana University, USA
Affiliations	Editor of Korean Society of Vision Sciences (KSVS) which has approximately 200 members
Joined IACLE	1995
FIACLE Achieved	2000
Continuing Education	Coordinated Vision Care Academy continuing education programs at Seoul Health College run by Johnson & Johnson Vision Care
Publications	46 Articles Two Books
Other	Lecturer for Johnson & Johnson Vision Care, Bausch & Lomb and CIBA Vision Research work in collaboration with Bausch & Lomb and CIBA Vision



Carmen Seres

Europe FIAACLE Profile

Prof. Carmen Seres graduated with Honours in the Optics and Optometry program at the Universitat Politecnica de Catalunya, Spain. Since 1981, she has been involved in professional activities at contactology and optometry centers in Barcelona and Terrassa. Further to her work at these centers, in 1988 she began teaching at the Universitat Politecnica de Catalunya and currently holds the position of Assistant Professor of Optometry and Contactology.

In 2002, Carmen earned a Masters degree in Vision Science from the Universitat Politecnica de Catalunya.

Joining IACLE in 1993, Carmen is one of our longest standing members and became a FIAACLE in 1999 after successfully completing the IACLE Accreditation Exam. For the past 12 years, Carmen

has been a dedicated member of the Association and has been involved in many different projects as well as global and regional initiatives. Enthusiastic and interested in improving the quality of contact lens education, she was our first country representative and keeps us in touch with the most recent developments in contact lens education at the local level.

In 2004, Carmen coordinated a meeting at the Madrid School of Optometry in Spain in conjunction with the National Conference. Fellow IACLE members and FIAACLEs helped to develop and present the lectures and workshops.

Carmen is frequently seen at international conferences and has been selected in the past to represent IACLE on the international conference circuit.

“In my first years as a teacher, I found it difficult to pass my knowledge to my students, mainly due to the lack of appropriate contact lens teaching material. When I discovered IACLE, I was able to teach myself and, thus, pass the information to my students in a better way. I sincerely think that IACLE has done a very important task in relation to science and the way to transmit it.”

Quick Facts

FIACLE	Carmen Seres
Institution	Universitat Politecnica de Catalunya, Spain
Teaching	Basic Aspects of Contact Lenses Clinic of Contact Lenses
Affiliations	Member – Sports Vision Centre of Olympic Training Centre Member – The Centre of Research (CUV)
Joined IACLE	1993
FIACLE Achieved	1999
Continuing Education	Involvement in 32 programs since 1993
Publications	49 Articles



Fernando Ballesteros

Latin America FIACLE Profile

Dr. Fernando Ballesteros graduated in 1976 from the La Salle University in Bogotá, Colombia, and began teaching at the same institution. From 1980 to 1997 he was the Director of the Contact Lens Clinic at La Salle and in 1999 he began teaching at Andina University in Bogotá.

In his current academic role, he teaches Contact Lenses at both Andina and La Salle Universities and is the Supervisor of the Practice Clinic. For 17 years he also taught Ophthalmology Residents at the Fundacion Oftalmologica Nacional de Bogotá.

Fernando spent 1991 at the Cornea and Contact Lens Research Unit in Sydney Australia doing a Fellowship program where he gained knowledge of research in contact lenses and learned about IACLE. He became the first Latin American President of IACLE from 1991 to 1996.

During his time as an IACLE member, Fernando has been involved in the organization of the

Annual Educators Meeting in Colombia. He has participated in many IACLE programs including the Distance Learning Program; has held 12 Industry Seminars over four years; has conducted four Student Trial Exams; and has encouraged other teachers to become members of IACLE. In 2000, Fernando passed the Accreditation Exam and his application for FIACLE status was approved.

Fernando is a consultant to contact lens companies; does research in corneal physiology; has written extensively about Contact Lenses; and has been invited to meetings and events across Latin America.

Enthusiastic and interested in improving the quality of Optometric education and eye care in Colombia, Fernando became involved in the Patrulla Aerea Civil Organization which offers health, visual and ocular services to underprivileged people in rural towns and villages.

“My work as a professor is made easier with IACLE resource materials and offers the students a better education”.

Quick Facts

FIACLE	Fernando Ballesteros
Institution	La Salle University, Colombia Andina University, Colombia
Teaching	La Salle University: 30 students in Practice Clinic Andina University: 30 students in Basic Contact Lens Course
Affiliations	Member - Federacion Colombiana de Optometras Member - Patrulla Aerea Civil
Joined IACLE	1991
FIACLE Achieved	2000
Continuing Education	Attended 100 seminars Lectured at 40 conferences
Publications	50 articles
Other	Community Service: Patrulla Aerea Civil Proyecto Gran Expedicion Humana



Lyndon Jones

North America FIACLE Profile

Dr. Lyndon Jones graduated with a degree in Optometry from the University of Wales, Cardiff, UK in 1985 and following several years in private and research-based practice gained a PhD from the Biomaterials Research Unit at Aston University, Birmingham, UK in 1998.

In 1998 he joined the School of Optometry at the University of Waterloo and is currently a Professor in addition to holding the position of Associate Director of the Centre for Contact Lens Research. He is also cross-appointed to the Departments of Physics, Biology, Chemistry and Chemical Engineering at the University of Waterloo, and is an Adjunct Associate Professor in the Chemical Engineering Department at McMaster University, Ontario.

A member and Fellow of IACLE for nearly eight years, Lyndon has embraced the IACLE Contact Lens Course, not only as a resource for developing

his own lectures, but also as the recommended text book for his 3rd year contact lens course at the School of Optometry, University of Waterloo.

In addition to supervising 16 graduate students, Lyndon teaches contact lenses, ocular pharmacology and anterior segment disease management in the University of Waterloo's optometry program. He is a five-time recipient of the School of Optometry's teaching award, and was awarded the university-wide 'Distinguished Teacher Award' in 2005.

He is an active researcher, and has authored over 200 papers and conference abstracts, one textbook and has given over 300 invited lectures at conferences worldwide, in more than 25 countries. His research interests primarily focus on the interaction of novel and existing contact lens materials with the ocular environment.

"There is no doubt in my mind that IACLE is an integral part of contact lens education worldwide. The contact lens modules provide a solid, standardized, high quality vehicle for contact lens education and are my chosen method for teaching material in my contact lens course. In conjunction with the student trial examinations, the frequent courses given all over the world demonstrate to me the importance of IACLE to the contact lens industry and to fitters all over the world."

Quick Facts

FIACLE	Lyndon Jones
Institution	University of Waterloo, Canada
Teaching	Contact Lenses, Ocular Pharmacology and Anterior Segment Disease Management
Affiliations	International Society for Contact Lens Research (ISCLR) British Orthokeratology Society (BOKS) Association for Research in Vision and Ophthalmology (ARVO) Fellow of the American Academy of Optometry (FAAO) British Contact Lens Association (BCLA)
Joined IACLE	1998
FIACLE Achieved	1999
Continuing Education	Over 300 lectures worldwide
Publications	Over 200 peer reviewed publications

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INTERNATIONAL ASSOCIATION OF CONTACT LENS EDUCATORS

PO Box 6328, UNSW Sydney, NSW Australia 1466

Tel: (612) 9385 7466 **Fax:** (612) 9385 7467

Email: iacle@iacle.org **Web:** <http://www.iacle.org>