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EXECUTIVE SUMMARY

Following evaluation of our strategic direction, IACLE entered 2004 focused on its core value of providing education to educators. For more than ten years, IACLE has worked to increase the worldwide number of skilled practitioners who are ready to promote contact lens fitting. IACLE has built a foundation for contact lens knowledge by providing an educational infrastructure and improving the quality of contact lens teaching. These efforts have resulted in a greater number of knowledgeable contact lens educators able to train not only students, our future practitioners, but who are also able to provide continuing education to established practitioners. The education provided ensures that both students and practitioners have a solid understanding of the most current information so that they are confident and skilled in recommending and fitting contact lenses.

The most effective means for IACLE to accomplish its mission is to support the educational infrastructure in schools teaching about contact lenses. We provide the educational tools and a framework of support that is aimed at increasing educator knowledge and experience, enabling them to drive the quality of education in their own region. The focus is on nurturing educators to become leaders in their own communities, giving something back to their colleagues and the profession as a whole.

Effective collaboration with our industry partners

and their long term investment in IACLE has had a direct impact on our direction and activities. helping to build the foundation of contact lens knowledge and skills that are necessary to grow the contact lens market. Through their generous support, we have developed and provided the highest quality educational resources and training to educators in more than 60 countries around the world.

This year we have initiated forming regional Industry Advisory Panels to ensure strong communication between contact lens educators, institutions and local industry representatives. Our aim is to facilitate an open flow of information in both directions so that local level industry representatives are aware of the interest and support provided by their corporate offices.

We look forward to working with our members, regional councils and industry partners in 2005 to continue our efforts to promote the widespread education, use and awareness of contact lenses.

Deborah Sweeney, PhD.

President

SUMMARY OF 2004 ACTIVITIES

In 2004, IACLE's focus has been on developing and providing educator training and resources. Activities this year include the administration of the 5th Accreditation Exam, conducting Student Trial Exams for 1335 students at 46 institutions. launching Module 7 of the Contact Lens Course, holding focused educator meetings worldwide, as well as an intensive educator training program in China. Industry Seminars and Workshops have helped build relationships between educators, students and industry representatives. Further, the Distance Learning Program has been converted to MCQ format and the IACLE membership was surveyed to develop a database of both measurable and subjective demographic data and market support information.

IACLE MEMBERSHIP

Addressing our need to rationalise resources, IACLE launched our active membership awareness campaign in the first few months of 2004. IACLE members were notified that they must meet specific criteria in order to be considered active, entitling them to participate in programs and receive resources. After a year-long campaign we estimate that at least 54% of members are now active.

ACCREDITATION EXAMINATION

The fifth administration of the IACLE Accreditation Exam was held on 8th October 2004 for 134 educators from 23 countries and in four languages (English, Simplified Chinese, Spanish and Indonesian). The exam measures educator knowledge and identifies areas of deficiency, allowing them to target where further study is required. IACLE continues to use the exam results with great success to develop programs that are tailored to the needs of a country or region.

STUDENT TRIAL EXAMS

We have seen vast improvements in the global results of the Student Trial Exam across all categories, most predominantly in ocular responses and identification and management of complications. This improvement in knowledge levels suggests that graduating practitioners will have the knowledge necessary to reduce contact lens related complications, which is expected to result in fewer dropouts. These factors will contribute to the increasing popularity of and consumer confidence in contact lenses as a form of vision correction.

IACLE CONTACT LENS COURSE

Module 7 of the IACLE Contact Lens Course: 'Contact Lens Related Ocular Complications' was completed early in the year and is currently being translated into Chinese, Spanish and Bahasa. This together with the recently revised and updated Module 10: 'Business Aspects of Contact Lens Practice' have been distributed to active resource centers worldwide. Module 8: 'Special Contact Lens Fitting' is the one remaining module and is in final production.

EDUCATOR MEETINGS

IACLE arranges educator meetings or information updates for our members and industry partners. In 2004 IACLE meetings were held in Spain, Korea, China, United Kingdom, Hungary, USA and Colombia.

INTENSIVE TRAINING PROGRAM

To address the increasing need for qualified contact lens fitters in China, IACLE has held four intensive training programs over the past three years. This year's program targeted the Chinese members who had not participated previously in this form of intensive training. The meeting was held at Donghua University in Shanghai for 29 educators from 21 institutions throughout China.

Since the initial program in the fall of 2001, Chinese membership has significantly increased and we have seen a steady improvement on both the IACLE Accreditation and the Student Trial exams. Accreditation Exam results show that the 29 Chinese candidates who wrote the exam this year achieved higher scores than the global average in all but one category.

INDUSTRY SEMINARS AND WORKSHOPS

The success of Industry Seminars and Workshops continues to be applauded by educators, students and industry. Worldwide more than 2200 students attended industry seminars and received the latest information on contact lenses and lens care products available in their local markets. In follow up to these meetings, industry representatives are encouraged to schedule individual workshops with the students. Ten workshops (providing 60 workshop sessions) were held covering such topics as marketing, insertion and removal of contact lenses, as well as spherical, toric and bifocal fitting.

REVERSE EDUCATOR FELLOWSHIP

Educator Fellowships play an important role in rapidly raising the level of contact lens knowledge and skills and this year a reverse fellowship was held in Indonesia for four educators at ARO Kader Bangsa.

DISTANCE LEARNING PROGRAM

Several FIACLEs in India and UK have worked to complete the conversion of the IACLE Distance

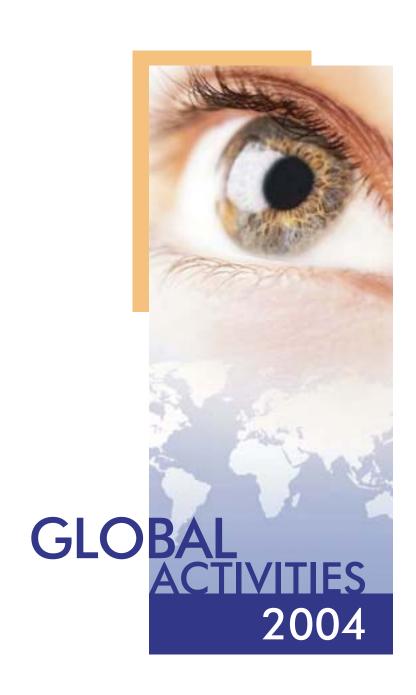
Learning Program into multiple choice question (MCQ) format. The revised program, which will be available in early 2005, will make both writing and grading assignments less time consuming, thus allowing for more educators to participate in this valuable remediation program. This new format will help educators more easily prepare for future sittings of the Accreditation Exam, which follows the same design.

DEMOGRAPHICS SURVEY

Early in 2004 IACLE distributed a survey to the IACLE membership. Further to our aim of developing a database of both measurable and subjective demographic data and market support information, we took the opportunity to poll our membership regarding contact lens education. When analysis of the data commenced, 250 surveys had been received and we are able to use this information to assess the effectiveness of our current programs and how we can tailor future initiatives such as resource and program development.

PRACTITIONER CONTINUING EDUCATION

To help meet the demand for skilled contact lens practitioners, IACLE is working with FIACLEs (Fellows of IACLE) to develop and present practitioner continuing education programs at the local level. In India, the "Advanced Contact Lens Education" program was developed and has reached 125 practitioners in three locations since it was first launched in August 2003. The program, held in the name of all IACLE sponsors, has been funded by Bausch & Lomb India through a special educational grant and is expected to continue into 2005.



ACTIVE MEMBERSHIP



During evaluation of the organisation's strategic direction, we highlighted the need for IACLE to evaluate how our resources are allocated. Over time IACLE membership has steadily increased, and hence, it was considered appropriate that we focus on those members who are considered to be actively participating in IACLE education programs and the promotion of contact lens education and awareness in their communities.

The Active Membership Awareness Campaign was initiated with an aim to define:

- 1. What is Active Membership?
- 2. How is Active Membership quantified?
- 3. How is Active Membership promoted?
- 4. What happens to those members who are considered Inactive?

The beginning of 2004 saw IACLE's membership consisting of 532 members in 61 countries and IACLE estimated that 35% of these members were active.

Numerous avenues have been explored by IACLE throughout this campaign, involving:

- Promotion through newsletter articles and a letter from the President in membership renewal packages
- Communication from the IACLE Secretariat and regional/national IACLE Coordinators
- Amendments to the IACLE Constitution and Code of Conduct

After a yearlong awareness campaign, while some members have been moved to inactive status, we have also attracted 93 new members. Therefore, approaching 2005, IACLE has 559 members and we estimate that 54% of members are now active. These numbers are expected to grow as we continue our on-going promotion of activity within membership.

ACCREDITATION EXAMINATION

Developed initially in association with the US National Board of Examiners in Optometry (NBEO), the IACLE Accreditation Examination was first conducted in 1996 and has since been administered independently every two years.

The 5th administration of the exam was held on 8 October 2004 for 134 candidates at 44 test sites in 23 countries. The examination was administered in English, Spanish, Simplified Chinese and Bahasa (Indonesian).

With no other means available of accrediting contact lens educators, the IACLE Accreditation Exam is an instrument for assessing the contact lens knowledge of IACLE's membership.

The exam consists of 150 multiple-choice test items, including visual recognition and case-based questions.

The topics covered in the Accreditation Exam include:

- 1. Anatomy and Physiology of the Anterior Eye
- 2. Design and Management of Contact Lenses
- 3. Principles of Contact Lens Fitting
- 4. Patient Examination and Delivery of Contact Lenses
- 5. Care and Maintenance of Contact Lenses
- 6. Ocular Responses to Contact Lenses
- 7. Complications Resulting from Contact Lenses
- 8. Special Contact Lens Topics

Each exam candidate will receive a detailed confidential report of their results, including the raw scores for each of the sub-sections examined. The report indicates where a satisfactory level of knowledge is achieved and helps the candidate in identifying the areas where improvement is

needed. Members that successfully complete the exam are eligible to apply for the distinguished title "Fellow of IACLE (FIACLE)".

"What a magnificent exam. Well planned and balanced. Questions have very little ambiguity." - 2004 Exam Candidate

For IACLE, the exam is a valuable diagnostic tool in identifying areas of knowledge deficiency in our membership as measured across countries and regions. We use this information to review our programs and to then tailor the focus of Educator Meetings and resource development as required.

"Content of exam requires analysis which I believe [is] very beneficial to the contact lens educator." - 2004 Exam Candidate



"...the exam is a valuable diagnostic tool in identifying areas of insufficient knowledge in IACLE's membership..."

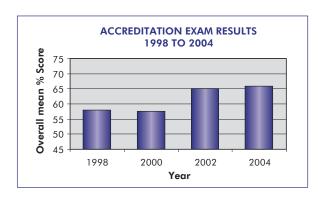
2004 ACCREDITATION EXAM RESULTS (BY REGION AND CATEGORY):

2004 AVERAGE SCORES BY CATEGORY	AFRICA/ MIDDLE EAST	ASIA PACIFIC	EUROPE	LATIN AMERICA
Anatomy & Physiology	56	66	72	71
Design & Optics of CL	83	72	88	81
Principles of CL Fitting		67	75	71
Patient Exam & Delivery			83	71
CL Care & Maintenance		67	85	75
Ocular Responses to CL			67	
CL Complications	66		77	
Special CL Topics	75	60	87	72

(Green indicates areas that need to be improved)

The overall mean score for the 2004 Accreditation Examination participants was 66%, with a 56% pass rate.

When comparing the overall results for the last four examinations, it would seem that the contact lens knowledge level of educators is on the increase.



STUDENT TRIAL EXAMINATION

Conducted shortly before an institution's final contact lens exam, the IACLE Student Trial Exam (STE) assists both students and educators in assessing knowledge levels and identifying where further training and studying is needed.

The exam is set at a suitable knowledge level for students completing their final didactic year and/or newly qualifying graduates and consists of 100 Multiple Choice Questions (MCQs), 30 of which require the student to recognize/identify a certain type of lens fit or eye condition as shown in a colour photograph.

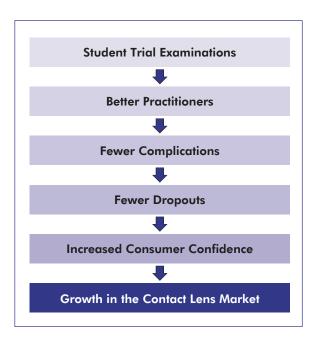
A student comments that: "IACLE STE consists of questions of all aspects of contact lenses & by attempting the questions we judge our knowledge &

get the idea where still the chances of improvement are."

IACLE assists students and educators in improving the weak areas identified in the STE. By providing appropriately tailored educational resources and focused educator training, we are driving the learning process as it also allows educators to gauge where further emphasis is required in their curricula, and hence to modify their teaching accordingly.

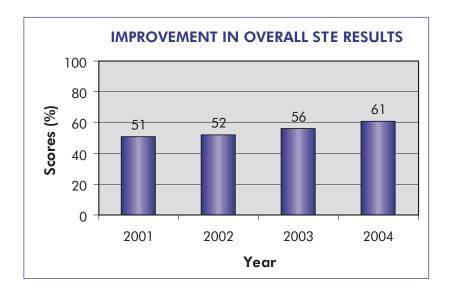
IACLE member and FIACLE in Singapore, Ana Yeo commented recently: "IACLE student examination does give me an indication that we in SP are heading in the right direction for contact lens practice".

In 2004, 46 Student Trial Exams were conducted for 1335 students across 15 countries.



Since 2001, the Student Trial Exams have been conducted in 19 countries across the globe, reaching over 4500 students to date.

Taking into consideration the differences between schools and students, comprehensive comparative analysis shows us that results have improved over time. Feedback from IACLE and assistance to educators in modifying their programs has resulted in an overall improvement of almost 10% since 2001.



When examining the individual categories, those that showed the greatest improvement are: Anatomy & Physiology of the Anterior Eye (+15%), Ocular Responses to Contact Lenses (+21%), Complications Resulting from Contact Lens Wear (+9%) and Patient Examination & Delivery of Contact Lenses (+19%).

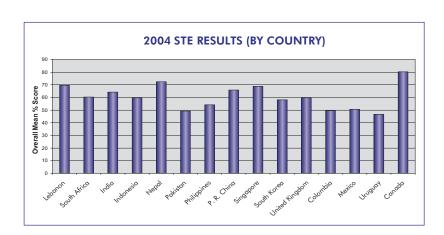




The significant improvement of more than 20% in the category "Ocular Responses to Contact Lenses", in addition to the stronger knowledge levels in "Complications Resulting from Contact Lens Wear", will certainly contribute to the reduction of contact lens related complications and thus fewer dropouts, thereby increasing the popularity of, and consumer confidence in, this form of vision correction.

Students from countries with well-established contact lens curricula perform better on average than those in countries still developing their contact lens education systems. The results for China are very encouraging, and we believe that this is at least partly due to IACLE's active focus there in the last few years.

The STE is currently available in six different languages: English, Simplified Chinese, Spanish, Indonesian, French and Korean.



CURRICULUM



THE IACLE CONTACT LENS COURSE

A comprehensive 10-module curriculum, the IACLE Contact Lens Course has become the international standard in contact lens education as it equips the educator with the necessary materials to teach contact lenses at all levels.

Topics Covered:

- 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

As the course modules contain both basic and advanced elements, the educator has the opportunity to select those topics required for the delivery of an appropriate level contact lens course.

Each module is available in printed and CD-ROM formats, facilitating the easy delivery of accurate information by providing educators with access to colour pictures, diagrams and text slides.

Contact Lens Related Ocular Complications are covered in Module 7, which was launched by IACLE in the first quarter of 2004. This module thoroughly covers all aspects of both soft and rigid contact lens complications.

Recently revised and updated, Module 10 - The Business Aspects of Contact Lens Practice - covers topics relating to standards of practice, as well as building, marketing and managing a successful contact lens practice.

The one remaining module in the 10-module course is in final production, and includes topics relating to Special Contact Lens Fitting, such as Keratoconus, Presbyopic Contact Lens Fitting, Orthokeratology, and Contact Lens Fitting following Refractive Surgery. It is expected that Module 8 will be distributed to IACLE Resource Centers in 2005.

Translation of The IACLE Contact Lens Course is a large scale project that has resulted in the Course being available in English, Simplified and Traditional Chinese, Spanish and Bahasa (Indonesian).

Associate member Gythe Grosemans in Belgium is in the process of translating several units from the Course to be used by our French speaking members.

Fady Geagea, IACLE Africa Middle East Regional Vice President: "I can say that IACLE modules are not only 'the educator's assistant' but also a real and precious jewel for teaching."

IACLE RESOURCE CENTERS

Educational resources and scientific information are provided regularly to educators teaching contact lenses. Where possible, these materials are provided in members' native languages.

IACLE members are encouraged to set up and manage IACLE Resource Centers – an area functioning as a small library or reference center – where educators and students can access these educational resources provided by IACLE. Educational institutions are asked to support this initiative where possible, by providing the basic infrastructure such as a cupboard or shelves, computer and video player.

Currently IACLE has 169 Resource Centers set up at educational Institutions around the world.

Breakdown of established Resource Centers across the regions:

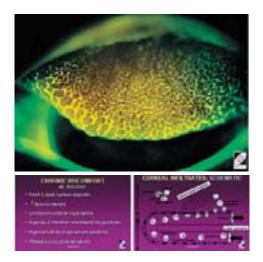
74% of institutions in Africa/Middle East 63% of institutions in Asia Pacific region 70% of institutions in Europe 79% of institutions in Latin America 18% of institutions in North America

To ensure that the IACLE Contact Lens Course is available to all educators and students, a set of modules has been donated to all active IACLE Resource Centers around the globe. Sixty-five sets were distributed in 2004.

IACLE Resource Centers established in 2004:

- 1. College of Optometry Denmark
- Akademi Refraksi Optisi Leprindo (Kampus 1) - Indonesia
- 3. Shri Ganapati Nethralaya India

- 4. Seoul National University Of Technology South Korea
- 5. Jingling Institute Of Technology PR China
- 6. Optics Technology College PR China
- 7. Taipei Veterans General Hospital Taiwan
- 8. National Taiwan University Taiwan
- 9. Chang Gung Memorial Hospital Taiwan
- 10. Mackay Memorial Hospital Taiwan
- 11. Taiwan Association of Ophthalmologists Taiwan
- 12. Cathay General Hospital Taiwan
- 13. Ghang Gung Memorial Hospital Taiwan
- 14. Universidad San Pablo Spain
- College Of Optometric & Ophthalmic Sciences - South Korea
- 16. Instituto Filadelfia Brazil



MODULES DISTRIBUTED IN 2004

Printed: 585 **CD-ROM:** 723

Each module is available in both printed and CD-ROM format, giving educators access to coloured pictures, diagrams and text slides.

"...the opportunity to present IACLE members with an update of global, regional and/or national activities..."

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 and workshops.

These meetings typically include didactic teaching, discussion sessions and hands-on workshops, on topics that address areas of need identified through the Accreditation and Student Trial Exams for that particular country/region.

IACLE Update Meetings, routinely held in conjunction with a larger conference, are the opportunity to present IACLE members with an update of global, regional and/or national activities. These meetings are often followed by an indepth look at IACLE programs and how they are administered.

Industry Updates provide a summary of activities, and an open forum gives everyone a chance to talk about the contact lens market and the local needs of the profession. IACLE works with the regional and national industry representatives to define priorities and set strategies for the future.

Several Educator and Update Meetings were held throughout 2004:

DATE	MEETING	VENUE
26 February	IACLE Spain Educators Meeting	Spain: Madrid (in conjunction with Contact Lens Madrid)
13 March	IACLE Information Update	Korea: Seoul (in conjunction with Korean Ophthalmology Society Meeting
10-14 May	IACLE Intensive Training Program	China: Shanghai
20 May	IACLE Europe Update	UK: Birmingham (in conjunction with BCLA)
3–6 June	IACLE Representation at AOCLE Annual Meeting	USA:(SCCO)
8 October	IACLE Latin America Educators Meeting	Colombia: Cartagena (in conjunction with FEDOPTO)
10 December	IACLE Annual General Meeting	Tampa: USA (in conjunction with AAO)

CHINA INTENSIVE TRAINING PROGRAMS

A large proportion of contact lens fitters in the Asia Pacific Region are not qualified practitioners and in many instances contact lens training is received primarily through limited industrysponsored events. Growing contact lens markets and the demand for qualified contact lens fitters has prompted IACLE to focus our efforts on this region for a number of years now, most recently in China.

Over the past several years IACLE has held three intensive educator training programs in China. In 2004 we targeted the members in China who had not participated previously in this form of intensive training, and the 4th intensive educator training program was held from 10–14 May at Donghua University in Shanghai for 29 educators from 21 institutions throughout China.

Presented in Chinese, the agenda for the five day meeting covered both basic and advanced level topics that included spherical/toric soft and gas permeable contact lens fitting, care and maintenance, as well as complications and specialty lens fitting. The 40-hour program included contact lens related lectures, hands-on workshops, discussions and video sessions.

A knowledge evaluation exercise was conducted prior to and upon completion of the program, and the positive results show the impact of the training received. The overall mean percentage score of the attendees increased from the 64% before the meeting to 80% following the meeting.



EDUCATOR FELLOWSHIPS



Traditional educator fellowships expose IACLE members to contact lens education, research and clinical practice at another teaching institution. A reverse fellowship provides educators with the opportunity to increase knowledge levels in contact lens education at their own institution. Training is tailored according to the needs of the members as identified through the Student Trial Exam and previous Accreditation Exam results.

IACLE Indonesian Coordinator, Cheni Lee conducted a three-day Reverse Fellowship Program for four educators at ARO Kader Bangsa – a relatively new institution in Indonesia.

Consisting of lectures, discussion sessions, videos and hands-on workshops, the program was designed to assist the educators in improving their teaching, technical, and clinical skills, as well as to help them develop and establish their contact lens course and curriculum.

Knowledge evaluation exercises were conducted both before and after the program, and the results showed an improvement of 21% in the overall mean score.

DISTANCE LEARNING PROGRAM (DLP)

Available in English, Chinese, Spanish and Bahasa, Phase I of the Distance Learning Program (DLP) is comprised of 10 assignments based on Modules 1 through 5 of the IACLE Contact Lens Course.

A distance education initiative, the DLP is intended to help educators upgrade their knowledge of contact lenses by systematically helping them to study these modules.

Phase II of the DLP, based on Modules 6 to 10, is currently in development.

Participants in the DLP are expected to complete short assignments on each Module, which are then returned to the IACLE Coordinator in their country or region for evaluation and scoring. The IACLE Coordinator can then identify areas where knowledge is incomplete and work with the participant to determine where further study is required.

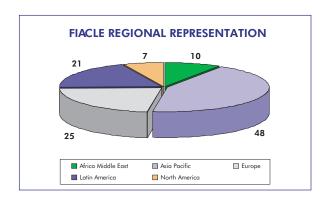
DLP PARTICIPANTS FOR 2004:

AFRICA / MIDDLE EAST	
Egypt	1
South Africa	2
Tanzania	2
ASIA PACIFIC REGION	
India	10
Indonesia	8
Pakistan	1
Philippines	4
P.R.China	1
LATIN AMERICA	
Argentina	4
Colombia	3
Uruguay	1

Through the efforts of Fellows of IACLE (FIACLEs) in India and the UK, the DLP has been converted into a multiple-choice question (MCQ) format, which will allow for more members to participate. Additionally, the new design will better prepare members to write the IACLE Accreditation Exam, which follows the same format. It is hoped that in the near future the DLP will be conducted electronically and perhaps even in a web-based format.

FIACLE LEADERSHIP PROGRAM

Fellows of IACLE (FIACLEs), IACLE's most active, visible, and involved members, are recognized for their accomplishments and held in high regard. IACLE asks FIACLEs to reinvest themselves through their time, knowledge, and educational resources to assist others in their community, country and region. Currently there are 111 FIACLEs, which represents approximately 20% of IACLE membership.



Achieving the globally recognized designation of FIACLE opens the door for new opportunities. FIACLEs are seen as leaders in the global contact lens educational community and are frequently invited speakers at educational meetings, providing practitioner and student education in their professional communities. IACLE industry

sponsors often work closely with the FIACLEs in their regions to better develop contact lens academic infrastructure.

Passing the IACLE Accreditation Examination is one of many initial criteria in becoming a FIACLE and it is expected that IACLE will experience a surge of new FIACLE applications in 2005, as many of those who have taken and passed the 5th administration of the exam in October of 2004 will be eligible to apply for FIACLE status.

IACLE has re-defined the FIACLE Leadership Program over the past two years to provide better clarity regarding the specific criteria, which has led to the establishment of two levels of FIACLE recognition. A Development FIACLE is a first time applicant who has passed the Accreditation Examination, been a member of IACLE for one year and has met the basic criteria for fellowship status.

Two years after Development FIACLE status has been granted, the FIACLE is eligible to renew FIACLE status at Leadership Level. Leadership FIACLE status requires that a FIACLE submit proof



of activity in promoting contact lenses and contact lens education by delivering continuing education lectures, publishing articles, doing community service work and a number of other options.

FIACLE ACTIVITY IN 2004

Resources Developed 40 educational items

Publications Submitted 65 articles

Community Service 50 Projects

50 projects

Continuing Education Delivered

300 hours

Continuing Education

11,000 hours

Continuing Education
Attended

FIACLEs are rewarded with an increased visibility in their region and the profession. Personally, they attain an increased knowledge base through lecture and article development, as well as through their involvement and participation in special meetings and programs.

There are many reports of FIACLEs who have made significant impact at their institutions and who have been instrumental in shaping their professions at the local level. Their involvement in continuing education of educators and practitioners, as well as the public, takes contact lens education to the next level.

FIACLEs have a desire to increase self-knowledge

as well as colleagues' knowledge and skills. They possess an undying enthusiasm for education!

Based on their commitment to IACLE and their activities in the eye care profession, IACLE began to feature one Fellow of IACLE from each region in the 2003 Annual Report. The nomination and selection processes were based on active participation in IACLE programs, and activities conducted at the schools, in the community, country and region.

Being recognized as an outstanding FIACLE in their respective regions is a great honor for the FIACLEs selected. In 2004, the FIACLEs chosen from each region are:

AFRICA MIDDLE EAST

Wayne Gillan Rand Afrikaans University, South Africa

ASIA PACIFIC

Richard Wu

Taipei Professional Optometry Center, Taiwan

EUROPE

James Wolffsohn
Aston University, United Kingdom

LATIN AMERICA

Guillermo Carrillo

Escuela Superior de Optica y Optometria,

These FIACLEs contribute to the contact lens profession in different and unique ways, and represent a cross-section of IACLE membership. Their profiles are featured as APPENDIX A.

"...the connections made between the industry representatives and the students lay the foundation for developing relationships..."

INDUSTRY SEMINARS AND WORKSHOPS



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. During these visits, the connections made between the industry representatives and the students lay the foundation for developing relationships that can be nurtured after the students graduate and enter into practice.

"This type of seminar strengthens ties between industry and the school. Our students are benefiting from this activity." - Dian Leila Sari (IACLE member, Indonesia)

This is the chance for Industry to give product specific lectures and present the students with information and promotional materials. Industry is encouraged to distribute trial lens sets and solutions to the institute, so that students have exposure to products while they are seeing patients in the contact lens clinic and therefore become

IACLE INDUSTRY SEMINARS & WORKSHOPS 2004					
	Industry Seminars Held	Students Reached	Educator Attendees	Industry Attendees	Industry Sponsors
AFRICA/MIDDLE EAST	Г				
South Africa	3	150	6	5	B&L, J&J, CIBA Vision, Allergan
ASIA PACIFIC					
India	10	356	22	20	B&L, J&J, CIBA Vision, Allergan
Indonesia	2	60	4	2	J&J
Philippines	3	110	7	12	B&L, CIBA Vision, J&J
P. R. China	3	60	6	4	B&L, J&J, CIBA Vision, AMO
South Korea	4	270	12	8	B&L, J&J, OSI, Alcon
LATIN AMERICA					
Argentina	1	26	12	3	J&J, AMO
Chile	6	205	3	11	B&L, J&J, CIBA, AMO, Cooper
Colombia	4	157	22	10	B&L, J&J, CIBA, OSI, Cooper
Costa Rica	1	30	3	3	B&L, J&L, CIBA
Mexico	4	225	20	18	B&L, J&J, CIBA, Alcon, OSI
Peru	4	215	16	12	B&L, OSI, CIBA
Uruguay	3	58	3	8	B&L, J&J, CIBA, OSI, Alcon
Venezuela	1	300	10	10	J&J, CIBA, Alcon, OSI
TOTAL	49	2222	146	126	

accustomed to fitting lenses and recommending care regimes.

A student who uses a certain lens or solution in the contact lens clinic while studying will be much more likely to use those same products when they go out into practice. Further, if each student is gifted with a complimentary pair of lenses, he/she will become comfortable wearing and handling the lenses and therefore will be more confident recommending and fitting contact lenses.

While the industry representatives are at the school, they are given a tour of the facilities and the IACLE Resource Center. They should use this opportunity to assess the needs of the school and speak with the educators to see how they can become more actively involved in contact lens education.

A great deal of the interaction between IACLE and our industry sponsors takes place at the corporate and regional levels. It is beneficial to IACLE as well as the local industry representatives to become actively involved in contact lens education at the



ground level and IACLE Industry Seminars and Workshops present this opportunity.

Follow up visits to hold workshops can be arranged with the educators. These hands-on sessions allow the Industry representatives to offer the students more in-depth exposure to their products and to further develop their relationship with the institution and the students.

"This seminar is very informative and interactive. We thank IACLE and our school for organising this event. At least we know the product even before we graduate. I like the workshop session." - 3rd year student, ARO Leprindo, Indonesia

A recent example of how successful this can be is seen in Latin America where IACLE facilitated the introduction of Industry Workshops at selected institutions. For instance, starting in July 2004, Guillermo Carrilio and his team at Escuela Superior de Optical y Optometria (Peru) arranged for 56 hours of workshops on fitting Spherical Soft Contact Lenses (SCLs), Rigid Gas Permeable Lenses (RGPs), and SCL Torics.

Industry sponsors began each workshop by providing a brief description of the product that was going to be used during the particular workshop. The lenses were fitted and with the help of IACLE members the Industry representatives clarified issues from students regarding the lenses and solutions.

As a way of preparing the students for these workshops, IACLE videos were made available to them one week earlier. This allowed the students to learn the techniques and come prepared to fit these lenses with skills already in hand, making the hands-on experiencing more rewarding.

IACLE TECHNICAL TRAINING COURSE

Developed in collaboration with the Institute for Eye Research, the IACLE Technical Training Course aims to provide basic technical knowledge and contact lens terminology, in a self-study format.

The program assumes that the user is starting with little or no knowledge of the eye or contact lenses, 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 and front line staff in any clinical contact lens practice.

This interactive distance-learning program is the practical alternative to standard classroom training, and 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 enhanced graphic screens to engage the learner. At the end of each CD-ROM there is

an interactive question and answer section for self-evaluation of the knowledge gained.

The program can be expanded to include additional topics, such as 'Contact Lens Care and Maintenance' and 'Silicone Hydrogel Lenses for Continuous Wear'. Further, the existing topics can be developed to reach an alternative target audience.

Although the initial development of this program was partially funded through a special educational grant from Ocular Sciences Inc. (OSI), it can be customized and made available to all IACLE Industry sponsors.

Initiated and supported by OSI, the current six-unit set is being translated into Korean. Units 3 and 4 have already been compiled for use in South Korea and it is anticipated that translation of the remaining units will be completed early in 2005.

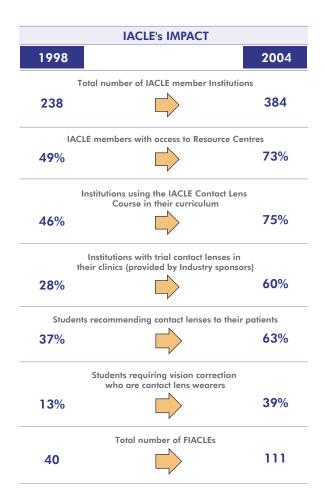
MEASURING IACLE'S IMPACT

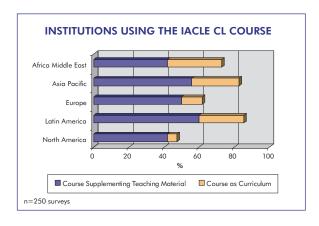
For many years IACLE has collected statistical and anecdotal information regarding global vision care.

The 2004 survey specifically looked at:

- general demographics
- refractive error data
- contact lens data
- professional information
- other vision correction technologies
- contact lens education
- anecdotal information regarding market trends

An initial analysis of the data provided by the 250 respondents provides feedback on issues including the effectiveness of our current programs and how we can design and tailor future programs to meet member and industry needs.





SOURCING OF NEW EDUCATIONAL TOOLS

At a recent regional educators meeting, members identified resources, and in particular the IACLE Contact Lens Course, as having significant impact on their programs and their institutions.

IACLE works to provide teaching resources in a number of ways. Each year IACLE industry sponsors are asked if they have developed generic items that they would be willing to provide to IACLE members. This method of sourcing items through industry sponsors has proved beneficial in that many new CDs, videotapes and printed materials are donated to IACLE on an ongoing basis.

IACLE is currently reviewing and updating the Top Ten Textbook listing and working with publishers to provide online descriptions via the website. As well, we are negotiating to secure reduced prices for members who wish to purchase an educational resource directly from the publisher. The new Top Ten list of textbooks, along with an online ordering system, with will be posted in 2005.

All members receive the monthly electronic Journal Program titled the "IACLE Information Interface" which provides links to free online professional journals and outlines current topics posted on each website. Members have frequently commented on the value of providing these links.

IACLE continues to develop our own educational resources and upcoming plans include pressing and distributing CDs which contain video files and photographic images.

Additionally, the members themselves are instrumental in the development and sourcing of

new teaching resources. Many members have donated items to IACLE in a cooperative spirit with the understanding that these items are shared with all members. Items developed and donated by IACLE members include textbooks, articles, videotapes, photographic images and CDs.

"Excellent resources, exquisite references, the contact lens modules and IACLE resources are the best educational resources developed in the ophthalmic field. Listings of important web pages are available to members. These are outstanding provisions for a contact lens educator." - IACLE member, Ruben Velasquez, UNAM, Mexico

Resources Donated in 2004:

- "Fitting GP Lenses" CD's by PTC in both English and Chinese
- "Uso Prolongado de Lentes de Contacto" book by Antonio Lopez
- Donation of 925 lenses for the 6 Colombian schools
- "Essential Contact Lens Practice" book by Veys, Meyler and Davies
- English/Chinese Dictionary of Visual Science and Related Clinical Terms by Richard Wu
- Rigid Gas Permeable Educational Kits containing brochures, charts, and a CD, by RGPLI

IACLE COMMUNICATIONS

Various media formats provide a forum for on-going and two-way communication with our members and industry supporters. IACLE makes available information about our activities, while relying on feedback from others to assist in assessing our programs and strategies as required.

Bi-monthly, IACLE distributes a copy of our electronic newsletter titled "News and Views", which provides a global look at IACLE activities. The newsletter is distributed to more than 1500 members, industry contacts and interested individuals worldwide.

Each IACLE coordinator distributes their own monthly newsletters to the members and industry contacts in their country or region, outlining in more detail activities and program participation at the local level.

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 on-line registration for the IACLE Accreditation Exam as well as a secure method for candidates to receive their confidential results.

IACLE PRACTITIONER CONTINUING EDUCATION

For more than a decade IACLE's mandate has been to "educate the educator". However, IACLE also works in partnership with its industry sponsors to present practitioner continuing education (CE) that is fully funded through special educational grants. The programs vary widely in that they are tailored to the needs of a particular country or region. The first program was held in 1999 and since that time IACLE has reached 2125 practitioners worldwide.



While IACLE has provided services to industry sponsors who make requests for practitioner education, this is not one of IACLE's key objectives and as such we have not aggressively solicited or initiated these practitioner programs. With the trend toward greater demand, expansion of practitioner education programs will be studied in further detail as IACLE maps out its future strategic direction.

The current approach to Practitioner Education is a three-tiered structure. The model created allows for great variability, depending upon the needs of the audience, the company, and the topics to be presented. The three-tier structure of IACLE CE is presented in Appendix B.

PROGRAMS PRESENTED IN 2004

IACLE has encouraged involvement of its regional coordinators in practitioner education at the local level where possible. The efforts of Lakshmi Shinde, IACLE Asia Pacific Regional Coordinator, are a prime example of how this model has been successfully applied in India.

Bausch & Lomb approached IACLE India in 2003 to begin an ongoing practitioner education effort and to date three programs titled the "Advanced Contact Lens Education Program" have been held for 125 Indian practitioners.

Led by Lakshmi, Fellows of IACLE, with assistance from IACLE Secretariat, developed and delivered presentations on the most current information on contact lenses. Bausch & Lomb India actively takes part in the delivery of the program.

The success of the program is seen in that the industry sponsor wishes to continue the program into 2005, hoping to multiply the number of cities visited and expanding the program to include more workshops and clinical applications.

Bausch & Lomb India funds the Advanced Contact Lens Education Program through a special educational grant to IACLE.

WHAT DO THE PARTICIPANTS SAY?

It is important to consider the impact that practitioner education programs have on those who attend. High attendance, or large audience size and the number of people IACLE reaches are important, but what is of greater importance is the usefulness of the information delivered. IACLE listens to the participants via an evaluation form to collect their input on the program's usefulness.

A combined result (combined responses of agree

and strongly agree) of the surveys for the 2004 practitioner education programs indicated:

96% Stated the lectures presented were directly applicable to their contact lens practice

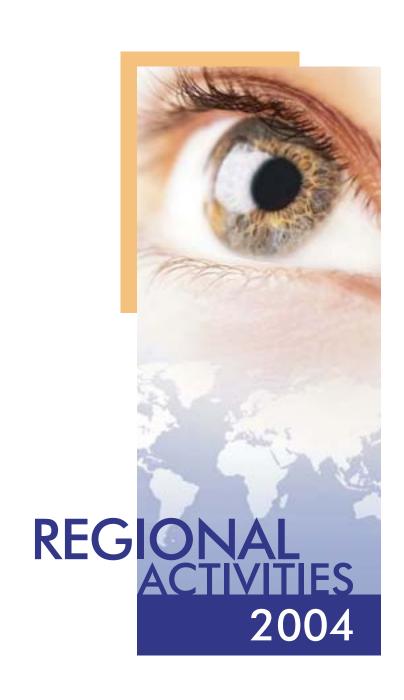
89% Were satisfied with the amount of information presented

85% Thought the lecture topics were covered in sufficient detail

90% Believe they will dispense more specialty contact lenses following the session

86% Agreed they would attend another of these seminars if offered on an annual basis







REGION AFRICA MIDDLE EAST COORDINATOR LEONI JOUBERT

IACLE MEMBERSHIP	
Number of Full Members Number of Associate Educator Members Number of Associate Industry Members Number of FIACLEs	35 4 1 11
ACCREDITATION EXAMINATION	
Number of Candidates Number of Examination Sites Language	2 2 English
STUDENT TRIAL EXAMS (STE)	
Number of STEs Held Number of Students Writing the STEs	5 128
INDUSTRY SEMINARS AND WORKSHOPS	
Number of Industry Seminars Held Number of Students Attending Industry Seminars	5 150
IACLE MEETINGS	
Number of Practitioner Continuing Education Programs Held Number of Attendees at Continuing Education Programs	3 190
RESOURCES	
Number of Resource Centers Number of Institutions Using the IACLE Contact Lens Course	13 13
DISTANCE LEARNING PROGRAM	
Number of Participants in the DLP Number of Participants who Wrote the Accreditation Examination	5 1

AFRICA MIDDLE EAST

IACLE'S IMPACT IN AFRICA MIDDLE EAST

Given the on-going need for educational infrastructure and resources in the region, IACLE's presence and support in Africa Middle East continues to be strong. Regional Coordinator Leoni Joubert is active in South Africa and works closely with regional council members to administer programs throughout the region.

Programmes in Africa and the Middle East are growing in an effort to provide comprehensive eye care and to combat and prevent blindness. IACLE provides the necessary training and educational resources to educators teaching contact lenses.

The IACLE Contact Lens Course and resources such as the IACLE video series are a welcome addition to many institutions and are used extensively.

Members are participating in IACLE programs such as the Accreditation Exam, Student Trial Exams, Industry Seminars and the Distance Learning Program. FIACLEs in the region are well educated and active within their communities, countries and in the region.

Regional and national industry representatives are supportive of contact lens education and have a good working relationship with the educators and students.

MAJOR AREAS OF IMPACT

Student Trial Exams

Student Trial Exams were held for 128 students at five Institutions throughout the Africa Middle East region in 2004.

At the Industrial and Technical Institute in Lebanon, IACLE Regional Vice President Fady Geagea has easily adopted the IACLE Contact Lens Course in

his new curriculum. The Course is the required reference book for students and through the Student Reprint Program the modules are provided as a cost effective textbook. The impact of these two factors is shown in the results of the 13 students who wrote the Student Trial Exam this year who achieved a 100% pass rate.

Industry Seminars and Workshops

The model that seems to be the most effective in South Africa is for industry representatives to hold individual lectures and workshops for the students. To this end, the sponsors spend more time with the students and educators providing detailed information about their products.

Bausch & Lomb, CIBA Vision, Coopervision and Johnson & Johnson Vision Care Inc. have all provided trial lenses and product information during their visits. As in previous years, CIBA Vision provided a tour of their facilities for students and educators from Rand Afrikaans University and Technikon Witwatersrand. Bausch & Lomb arranged for their pharmaceutical representative to provide information on the diagnostic agents that are now available to practitioners graduating with these privileges.

Resources

All IACLE Resource Centers in South Africa have received a copy of Module 7 of the IACLE Contact Lens Course and the comments have been incredibly positive.

University of the Free State will have their first batch of final year contact lens students next year and we are working with the educators to encourage them to become members of IACLE so that we can help them to establish an IACLE Resource Center and provide them with the IACLE Contact Lens Course and other resources such as videos and text books.



REGION ASIA PACIFIC COUNTRY CHINA COORDINATOR QU XIAOMEI

IACLE MEMBERSHIP	
Number of Full Members Number of Associate Educator Members Number of Associate Industry Members Number of FIACLES	91 1 4 8
ACCREDITATION EXAMINATION	
Number of Candidates Number of Test Sites Language	29 13 Chinese
STUDENT TRIAL EXAMS (STE)	
Number of STEs Held Number of Students Writing the STEs	6 150
INDUSTRY SEMINARS AND WORKSHOPS	
Number of Industry Seminars Held Number of Students Attending Industry Seminars	3 60
IACLE MEETINGS	
Number of Educator and Update Meetings Held Number of Attendees at Educator and Update Meetings	1 37
RESOURCES	
Number of Resource Centers Number of Institutions Using the IACLE Contact Lens Course	16 16
DISTANCE LEARNING PROGRAM	
Number of Participants in the DLP Number of Participants who Completed the DLP in 2004	1 1

ASIA PACIFIC

IACLE'S IMPACT IN CHINA

Many contact lens fitters in the Asia Pacific Region are not qualified practitioners and in many instances contact lens training is received primarily through limited industry-sponsored events. Growing contact lens markets and the demand for qualified contact lens fitters has prompted IACLE to focus our efforts on this region for a number of years now.

China has been a focal point most recently as IACLE and our industry partners strive to raise the level of contact lens education and graduate more qualified contact lens fitters and practitioners to meet the market's growing demand for this form of vision correction.

One way of addressing the need for more qualified fitters has been for IACLE to provide four intensive training sessions in China over the past three years. The most recent program was held in May 2004 at DongHua University in Shanghai.

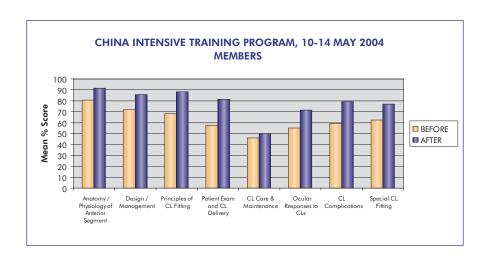
As a result of these intensive educator meetings, many educators are seeing the impact of IACLE on contact lens education in China and are eager to become members of the association in order to improve their knowledge and skills. IACLE membership in China was 74 in 2003, and has grown to 96 in 2004.

National Coordinator Qu Xiaomei has developed strong relationships with the members and industry representatives in China and is working to promote further participation in programs.

MAJOR AREAS OF IMPACT

Educator Training

To provide appropriate contact lens training for educators, IACLE has held three intensive educator training programs in China since 2001. This year we targeted the members in China who had not previously participated in this intensive form of



training and the fourth intensive educator training program was held from 10–14 May at DongHua University in Shanghai for 29 educators from 21 institutions throughout China.

Presented in Chinese, the 40-hour program of lectures, hands-on workshops, discussions and video sessions, covered both basic and advanced level topics that included spherical and toric soft and gas permeable contact lens fitting, care and maintenance, as well as complications and specialty contact lenses.

IACLE conducted a knowledge evaluation exercise prior to and upon completion of the program. The results show the impact of training received with the overall mean percentage score of the attendees increasing from 64% to 80% following the training.

Using a survey to evaluate the program, attendees indicated that the topics covered were relevant, useful, and well presented, with 97% rating the meeting as good or excellent. All attendees believed that the information presented will be useful to them as educators, and 91% felt that they would benefit from this information as a clinician.

IACLE Industry Sponsors generously supported

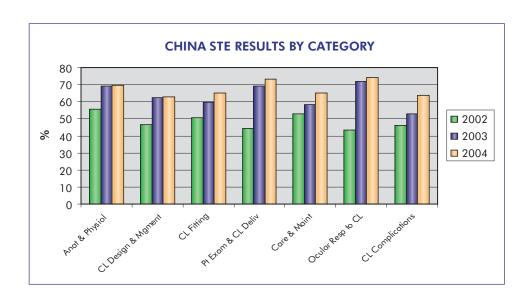
this program by supplying lenses, solutions and equipment for the workshops and several representatives attended lectures and participated in the workshops and knowledge evaluations. This was a great opportunity for the delegates to get to know the contact lens and lens care products that are available to them. Several companies sponsored lunches and dinners for the delegates.

Student Trial Exams

Five student trial exams were held at Chinese institutions this year for 188 students. While still awaiting some results, those received for three institutions have been very encouraging with all achieving a 100% pass rate. The improvements in scores on these exams can be attributed to IACLE's increased involvement in China and the high level of intensive training provided.

Accreditation Exam

On 8 October 2004, the IACLE Accreditation Exam was conducted for 29 members at 13 test sites in China. With the IACLE Contact Lens Course printed modules and CDs available in Simplified and Traditional Chinese, they were the ideal resource to study from in order to prepare for the exam.





REGION ASIA PACIFIC COUNTRY INDIA COORDINATOR LAKSHMI SHINDE

IACLE MEMBERSHIP	
Number of Full Members Number of Associate Educator Members Number of Associate Industry Members Number of FIACLEs	57 8 6 15
ACCREDITATION EXAMINATION	
Number of Candidates Number of Test Sites Language	21 5 English
STUDENT TRIAL EXAMS (STE)	
Number of STEs Held Number of Students Writing the STEs	13 240
INDUSTRY SEMINARS AND WORKSHOPS	
Number of Industry Seminars Held Number of Students Attending Industry Seminars	10 356
IACLE MEETINGS	
Number of Practitioner Continuing Education Programs Held Number of Attendees at Continuing Education Programs	2 71
RESOURCES	
Number of Resource Centers Number of Institutions Using the IACLE Contact Lens Course	24 24
DISTANCE LEARNING PROGRAM	
Number of Participants in the DLP Number of Participants who Completed the DLP in 2004 Number of Participants who Wrote the Accreditation Examination	10 3 7

ASIA PACIFIC

IACLE'S IMPACT IN INDIA

For many years IACLE has worked closely with the educators in India, and has been rewarded with an active and enthusiastic membership. Members readily participate in programs and interact with other educators to further contact lens education throughout the country.

The support that IACLE has provided to educators is well recognized and as a result our membership in India is still growing, with an additional eight members this year. Of the 71 current full and associate members, 61 are considered to be active. It is encouraging to see that an impressive 86% of members in India are actively involved in IACLE and in promoting contact lenses and contact lens education in their communities.

Lakshmi Shinde, National Coordinator for India, continues to grow with the organization and has recently taken on the role of Asia Pacific Regional Coordinator, sharing her time with the International Center for Eyecare Education

(ICEE). This collaboration with ICEE has meant that Lakshmi has had the opportunity to travel throughout India and to visit some of the more rural institutions.

Lakshmi visited 12 schools in 2004 and was able to meet with educators to evaluate their programs and facilities and worked with them to determine where changes could be made in order to improve the scope and quality of contact lens education provided. Resources are also delivered to the Resource Centers during these visits.

MAJOR AREAS OF IMPACT

Student Trial Exams

Student Trial Exams have been well accepted in India with 13 sittings in 2004 for 240 students.

The value of the STE to improve contact lens education can be seen in the case of Bharati Vidyapeeth (BVP) School of Optometry in India. Following feedback provided by IACLE each

STE RESULTS FOR BVP SCHOOL OF OPTOMETRY

CATEGORY	2001	2002	2003	2004
Anatomy and Physiology	63	60	67	85
Design and Management of CL	65	62	76	74
Principles of CL Fitting	72	64	71	68
Patient Examination & CL Delivery	67	67	77	83
CL Care & Maintenance	64	63	60	65
Ocular Responses to CL	38	48	71	77
CL Complications	60	60	66	70
Overall Mean % Score	64%	62%	70%	74%
Pass Rate	91%	84%	100%	97%

(Green indicates areas that need to be improved)

year, the students' performance has shown improvements in most categories since 2001, as shown in the table on the previous page.

The IACLE Resource Coordinator responsible for organising these exams offers the following comment: "We too are happy to see the scores which are steadily increasing over the years. The reason for this [is] a continuous effort from the students and faculty...We conduct CL practicals (4 hrs/week) and CL camps, where students get a chance for hands on experience with CL....The picture slides and CD's from IACLE make a very good impact on students. The pictures from these make them understand the condition easily....We conduct Group discussions/role plays every week, where students are encouraged to present on various topics which are new in the field."

Continuing Education

Bausch & Lomb approached IACLE India in 2003 to begin an ongoing practitioner education effort, following which three programs have been held for a total of 125 delegates. Funded through a special educational grant, the program titled "Advanced Contact Lens Education Program" has been presented in New Delhi (Rajendra Prasad Center for Ophthalmic Sciences), Guwahati (Sri Sankardev Nathralaya) and Mumbai (Lotus College of Optometry).

Led by Lakshmi Shinde, Fellows of IACLE (FIACLEs), with assistance from IACLE Secretariat, developed and presented the most current information in contact lens education. The program includes such topics as SCL spherical and toric fitting, disposables, SCL complications and practice management.

The success of the program is seen in that Bausch & Lomb wishes to continue the program into 2005 and hopes to multiply the number of cities visited

and as well expand the workshop and clinical application sections of the program.

Industry Seminars

Industry seminars were held at ten institutions in India and 356 students received information on the contact lenses and contact lens care products that are available on the market. Industry sponsors Bausch & Lomb, CIBA Vision and Johnson & Johnson Vision Care Inc., as well as several local manufacturing companies, donated trial lens sets, distributed product related pamphlets and gifted the students with complimentary contact lenses.

Lectures on spherical and toric contact lens fitting were presented, and workshops were held at several schools. The interaction between industry and the students was demonstrated in question and answer sessions and one group even had a debate on the advantages of soft versus rigid lenses.

Distance Learning Program

The Distance Learning Program (DLP) continues to be well utilized in India, and seven of the ten current DLP participants wrote the IACLE Accreditation Exam this year.

Several FIACLEs in India have graciously volunteered their time to IACLE in order to work on converting Phase I of the existing program into multiple choice question format.

Accreditation Exam

As in previous administrations of the IACLE Accreditation Exam, the response from India members has been very encouraging. This year, 21 members sat for the exam at five sites throughout India.



REGION ASIA PACIFIC COUNTRY INDONESIA COORDINATOR CHENI LEE

IACLE MEMBERSHIP	
Number of Full Members Number of Associate Educator Members Number of Associate Industry Members Number of FIACLEs	28 22 0 10
ACCREDITATION EXAMINATION	
Number of Candidates Number of Test Sites Language	32 4 Bahasa
STUDENT TRIAL EXAMS (STE)	
Number of STEs Held Number of Students Writing the STEs	6 223
INDUSTRY SEMINARS AND WORKSHOPS	
Number of Industry Seminars Held Number of Students Attending Industry Seminars Number of Industry Workshops Held	1 60 1
REVERSE EDUCATOR FELLOWSHIP	
Participants Teaching Hours Provided	4 21
RESOURCES	
Number of Resource Centers Number of Institutions Using the IACLE Contact Lens Course	10 10
DISTANCE LEARNING PROGRAM	
Number of Participants in the DLP Number of Participants who Completed the DLP in 2004 Number of Participants who Wrote the Accreditation Examination	8 7 5

ASIA PACIFIC

IACLE'S IMPACT IN INDONESIA

IACLE's presence in Indonesia has had a direct impact on the standard of contact lens education provided at the national level. Primarily based on the IACLE Contact Lens Course, the national contact lens curriculum was revised by the Indonesian Ministry of Health and was implemented in 2003.

A comment received from Mrs. Dian Leila Sari, head of the Indonesian Optometrist Association: "Our optometry curriculum especially the contact lens syllabus had been revised because of IACLE. It is more systematic now compared to the previous curriculum. We are using the IACLE contact lens syllabus as a reference to improve on the other subjects that we are teaching in the schools. IACLE has played a tremendous role in upgrading the standard of contact lens knowledge in optometry schools and also our CE programs. It's great to have FIACLEs and IACLE members as a valuable source of continuing education in Indonesia."

Cheni Lee, National Coordinator in Indonesia works closely with the institutions to implement the new curriculum into their programs. Of the nine recognized institutions in Indonesia with IACLE members, Cheni was able to visit five this year to

conduct programs such as the student trial exam and Industry Seminars.

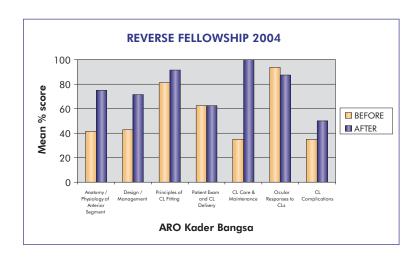
Dr. Pardede of ARO Medan offers the following comment: "Contact lens education in ARO Medan had grown with IACLE over the years. Thank you for all the continued support. We are proud to be a part of IACLE."

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

MAJOR AREAS OF IMPACT

Reverse Educator Fellowship

A three-day Reverse Fellowship Program was held for four educators at ARO Kader Bangsa – a relatively new institution in Indonesia. Consisting of lectures, discussion sessions, videos and handson workshops, the program was designed to assist the educators to improve their teaching, technical, and clinical skills, as well as to help them develop





and establish their course and curriculum.

Comments received from the participants

"The lectures are very comprehensive. Some times we do have problems selecting the slides that we want to teach. The Modules are marvelous and it is good as a reference. I would like also to ask if it is possible to use the IACLE workbook as our practical contact lens book. I am impressed with this compilation. Students would have everything they want to know and they can refer to that workshop if they want to do practicals."

"I will change the way I teach practical contact lenses. Before the fellowship, I admit that it was quite messy. I like the way the practical was conducted. I have to discuss / lecture first or even give a short lecture and then we conduct practical contact lenses. This way the student can understand better."

Knowledge evaluation exercises were conducted both before and after the program, and the results showed an improvement of 21% in the overall mean score.

Student Trial Exams

Six student trial exams were held for 223 students throughout 2004. It is encouraging to see the improvement in student scores as a result of IACLE's involvement in contact lens education at these schools.

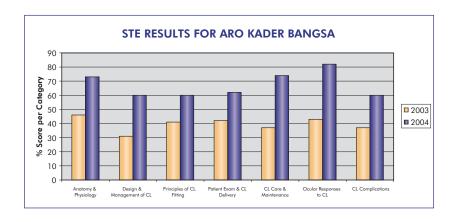
ARO Widya Husada has shown marked improvement in STE scores over the last four years. In fact, the percentage of students who achieved a successful overall score (thus \geq 50%) on the exam has risen from 30% in 2001 to 91% in 2004.

STE RESULTS FOR ARO WIDYA HUSADA

CATEGORY	2001	2002	2003	2004
Anatomy and Physiology	40	46	53	64
Design and Management of CL	48	49	53	75
Principles of CL Fitting	53	53	47	63
Patient Examination & CL Delivery	38	35	48	70
CL Care & Maintenance	63	45	40	55
Ocular Responses to CL	20	32	59	65
CL Complications	40	41	44	49
Overall Mean % Score	46%	45%	48%	63%
Pass Rate	30%	13%	38%	91%

(Green indicates areas that need to be improved)

At ARO Kader Bangsa, it would seem that the reverse fellowship program had an immediate and positive effect on the contact lens course being taught. The overall mean percentage score on the STE improved from 39% in 2003 to 65% this year, and the pass rate from 0% in 2003 to 100% in 2004. The educators at this school are to be congratulated for the improvements they have made to their curriculum, using IACLE materials and resources.



Accreditation Exam

The 2004 IACLE Accreditation Exam was held for 32 members at four sites throughout Indonesia. Through the availability of the IACLE Contact Lens Course in Bahasa (Indonesian) members are able to study for the exam and participate in the Distance Learning Program. Of the seven DLP participants who completed the program in 2004, five wrote the Accreditation Exam this year.





REGION ASIA PACIFIC COUNTRY SOUTH KOREA COORDINATOR LAKSHMI SHINDE

IACLE MEMBERSHIP	
Number of Full Members Number of Associate Educator Members Number of Associate Industry Members Number of FIACLES	16 2 2 4
ACCREDITATION EXAMINATION	
Number of Candidates Number of Test Sites Language	3 1 English
STUDENT TRIAL EXAMS (STE)	
Number of STEs Held Number of Students Writing the STEs	6 300
INDUSTRY SEMINARS AND WORKSHOPS	
Number of Industry Seminars Held Number of Students Attending Industry Seminars	4 270
IACLE MEETINGS	
Number of Educator and Update Meetings Held Number of Attendees at Educator and Update Meetings	1 18
RESOURCES	
Number of Resource Centers Number of Institutions Using the IACLE Contact Lens Course	9 5

ASIA PACIFIC SOUTH KOREA

IACLE'S IMPACT IN SOUTH KOREA

For several years IACLE has been communicating with influential members and industry representatives in South Korea to determine the most effective way of providing contact lens education.

To ensure that all contact lens professionals are adequately trained to knowledgeably fit and manage contact lenses, we are currently working with the opticians in South Korea to provide contact lens educational training programs and resources.

During her visit to South Korea in March, Regional Coordinator Lakshmi Shinde met with the Ophthalmological Society board members to discuss how IACLE can assist them in developing their contact lens programs. We continue to work with key individuals within the society and hope that with time a stronger link will be established.

MAJOR AREAS OF IMPACT

IACLE Update Meeting

An IACLE Update Meeting was held at Seoul Health College on 13 March 2004 for 18 attendees (12 members plus six industry representatives from AMO, Bausch & Lomb, CIBA Vision and Ocular Sciences Inc.).

An overview of IACLE global and Korean activities was presented, which was followed by a discussion with industry representatives and members regarding IACLE programs such as Industry Seminars, Student Trial Exams and module translation.

Accreditation Exam

The 5th administration of the IACLE Accreditation Exam was held for three members at the Seoul Health College. Two of the candidates were associate industry members from Bausch & Lomb and Johnson & Johnson Vision Care Inc.

Student Trial Exams

Student trial exams have been held at six institutions for 300 students. We hope to encourage more institutes within South Korea to participate in this program next year.

Industry Seminars

Four industry seminars were held at the Seoul National University of Technology throughout the year. Industry representatives from Alcon, Bausch & Lomb, Johnson & Johnson Vision Care Inc. and Ocular Sciences Inc. provided information on their full range of contact lenses and contact lens care products.





REGION ASIA PACIFIC COUNTRY PHILIPPINES COORDINATOR CHARLIE HO

IACLE MEMBERSHIP	
Number of Full Members Number of Associate Industry Members Number of FIACLEs	12 1 7
ACCREDITATION EXAMINATION	
Number of Candidates Number of Test Sites Language	3 1 English
STUDENT TRIAL EXAMS (STE)	
Number of STEs Held Number of Students Writing the STEs	5 119
INDUSTRY SEMINARS AND WORKSHOPS	
Number of Industry Seminars Held Number of Students Attending Industry Seminars	3 125
RESOURCES	
Number of Resource Centers Number of Institutions Using the IACLE Contact Lens Course	4
DISTANCE LEARNING PROGRAM	
Number of Participants in the DLP Number of Participants who Completed the DLP in 2004 Number of Participants who Wrote the Accreditation Examination	4 2 2

ASIA PACIFIC

IACLE'S IMPACT IN THE PHILIPPINES

IACLE has had a presence in the Philippines for more than a decade and over the years we have worked to develop a strong contact lens educational infrastructure.

While our programs are well established within the Optometry Schools, IACLE Philippines Coordinator Charlie Ho has also developed a good relationship with the Ophthalmology professionals.

The Ophthalmology Residency Program was first initiated in the Philippines and we hope to continue development of the program in order for it to be rolled out into other countries and regions in the future.

On a global level, Charlie is helping to write the next phase of the Distance Learning Program and is working closely with the other Asia Pacific Coordinators to prepare an outline for the IACLE Student Textbook.

MAJOR AREAS OF IMPACT

Student Trial Exams

Throughout the year, five student trial exams were held at three institutes for 119 students. While the results indicate an overall need for improvement, IACLE will continue to work with the educators at

these schools to recommend changes that can be made to their contact lens programs. Charlie Ho in the IACLE Philippines office is currently working on standardising clinical forms and procedures throughout the country.

Industry Seminars

Three industry seminars were held in the Philippines throughout the year. Representatives from Bausch & Lomb, Johnson & Johnson Vision Care Inc. and CIBA Vision presented information regarding their product lines to a total of 85 students at Manila Central University and Centro Escolar University.

A student comments as follows: "We appreciate the product information very much because it offers us a wide range of contact lens options to choose from."

Accreditation Exam

Three members from the Philippines sat for the 5th administration of the IACLE Accreditation Exam. To help them prepare, Charlie Ho facilitated a review session for the candidates several days prior to the exam. Two of the candidates are participating in the IACLE Distance Learning Program.



REGION EUROPE COORDINATOR JUDITH MORRIS (REGIONAL PRESIDENT)

IACLE MEMBERSHIP	
Number of Full Members Number of Associate Educator Members Number of Associate Industry Members Number of FIACLES	87 4 5 25
ACCREDITATION EXAMINATION	
Number of Candidates Number of Test Sites Language	9 6 English/Spanish
STUDENT TRIAL EXAMS (STE)	
Number of STEs Held Number of Students Writing the STEs	2 100
IACLE MEETINGS	
Number of Educator and Update Meetings Held Number of Attendees at Educator and Update Meetings	2 44
RESOURCES	
Number of Resource Centers Number of Institutions Using the IACLE Contact Lens Course	39 25

EUROPE

IACLE'S IMPACT IN EUROPE

A geographically, economically, and socially diverse region, there are varying levels of education between countries in Europe. IACLE works to meet the needs of all of our European members and have been rewarded by a membership and regional council who actively volunteer their time to administer activities and work with other educators in the region.

In 2004 there were several enthusiastic and generous members in the Europe region that should be recognised. Members like Antonio Alemany-Lopez who donated a textbook to IACLE resource centers and James Wolffshon who helped in the conversion of the Distance Learning Program into MCQ format, as well as Carme Seres and Jose Gonzalez-Meijome who coordinated meetings in 2004.

IACLE's European activities are led by our Regional President Judith Morris, who works closely with

the IACLE's Industry sponsors in the region. In addition to individual meetings throughout the year, an annual meeting is scheduled at the British Contact Lens Association (BCLA) meeting where the open forum amongst industry representatives and members is used to set priorities and strategies for the region.

MAJOR AREAS OF IMPACT

Meetings

In addition to the yearly update held by Judith Morris for industry representatives and members at the BCLA, several meetings and presentations were held throughout the year.

In February an educator meeting was held for our members from Spain at the Madrid School of Optometry. IACLE Country Representative Carme Seres worked with the IACLE Secretariat and other European members to develop and present the program covering such topics as "Extended



Wear vs Refractive Surgery", "How to Teach Toric Contact Lens Fitting", "Keratoconus" and "Slit Lamp Biomicroscopy". Feedback from the attendees was very encouraging: "It was an extremely interesting meeting, well organized, and useful. It should be repeated often."

At the 34th Congress of ECLSO in Hungary, Budapest, Judith Morris presented a lecture on Presbyopia in the scientific program and provided an overview of IACLE activities in the education program of the meeting. This was also the opportunity for Judith to meet with key regional industry representatives to discuss further plans for IACLE Europe.

Several FIACLEs and IACLE members (A Lopez-Alemany, JM Gonzalez-Meijome, J Gonzalez-Perez, C Saona Santos, J Gonzalez-Cavada and M Baertschi) were instrumental in the organisation of the 1st International Conference of Optometry Meeting at the University of Minho in Portugal. With speakers from the UK, Switzerland, Spain and Portugal, the conference attracted 380 attendees.

Accreditation Examination

The 2004 IACLE Accreditation Examination was held for nine candidates from four countries at six sites. The exam was available in both English and Spanish. Successful completion of the exam entitle members to apply for Fellow of IACLE status. The region presently boasts 25 FIACLEs and it is expected that this number will increase as results of the examination are distributed.

Student Trial Exams

Earlier in this year the student trial exam was held at Aston University (UK) for 58 students. As a way of improving results for future sittings, IACLE has recommended that knowledge can be improved through more hands-on sessions and suggested that visits to contact lens labs would assist in their knowledge on design and management of contact lenses.

Anglia Polytechnic University (UK) has scheduled a student trial exam for 42 students on 15 December 2004.



REGION LATIN AMERICA COORDINATOR PERCY LAZON DE LA JARA

IACLE MEMBERSHIP	
Number of Full Members Number of Associate Educator Members Number of Associate Industry Members Number of FIACLEs	61 7 5 21
ACCREDITATION EXAMINATION	
Number of Candidates Number of Test Sites Language	27 7 Spanish
STUDENT TRIAL EXAMS (STE)	
Number of STEs Held Number of Students Writing the STEs	4 94
INDUSTRY SEMINARS AND WORKSHOPS	
Number of Industry Seminars Held Number of Students Attending Industry Seminars/Workshops Number of Industry Workshops Held (Workshop Sessions)	14 1216 10 (60)
IACLE MEETINGS	
Number of Educator and Update Meetings Held Number of Attendees at Educator and Update Meetings	1 40
RESOURCES	
Number of Resource Centers Number of Institutions Using the IACLE Contact Lens Course	26 29
DISTANCE LEARNING PROGRAM	
Number of Participants in the DLP in 2004 Number of Participants who Completed the DLP in 2004 Number of Participants who Wrote the Accreditation Examination	8 1 11

LATIN AMERICA

IACLE'S IMPACT IN LATIN AMERICA

IACLE has steadily worked with Latin American educators to provide contact lens resources and educational programs. These members have embraced IACLE and a recent survey of our Latin American membership rated educational resources and the IACLE Contact Lens Course as the two most beneficial ways that IACLE has benefited them as educators. Forty percent of those surveyed state that they refer to the Course on a daily basis.

We are fortunate to have an enthusiastic and dedicated Regional Coordinator, Percy Lazon de la Jara, who has just recently finished his PhD studies while continuing to work part-time for IACLE. Ten years ago when Percy started working with us there were no Latin American members, but membership has steadily grown over the years and with ten new members this year there are now 73 full and associate members in the region.

Latin America currently has the highest FIACLE to Member ratio, with 29% of the membership having achieved Fellow of IACLE status. The FIACLEs in this region are a stellar example of what it means to give back to the profession. They have taken the knowledge and skills they gained through IACLE and are speaking at national and regional conferences, publishing articles, developing resources to be shared with others, to name a few of the activities they regularly participate in.

In 2003 and again in 2004, IACLE Latin America has had a poster accepted at the American Academy of Optometry. This year's poster is titled "IACLE's Influence: Broad and Beneficial to Contact Lens Education in Latin America".

IACLE has always worked very closely with our industry partners, but as a way to be certain that

all levels of industry are aware of contact lens educational activities we have initiated the idea of forming regional Industry Advisory Panels. With the American Academy of Optometry Meeting in Tampa this year, it is an ideal opportunity to schedule a meeting with those individuals who are responsible for managing the contact lens industry in Latin America.

MAJOR AREAS OF IMPACT

Industry Seminars

The Latin American members and industry representatives have fully adopted this program that offers students exposure to the products that are available to them in the market. An impressive 14 industry seminars were presented in 2004 for 878 students and 69 educators. Industry sponsors Alcon, AMO, Bausch & Lomb, CIBA Vision, CooperVision, Johnson & Johnson Vision Care Inc, and Ocular Sciences Inc. were represented during these seminars and were given the opportunity to give product related lectures and handout promotional materials.

Industry comments are as follows:

"It was a pleasure for CIBA Vision to cooperate in the IACLE Industry Seminar at IPN....We are interested in the workshops for students and quite happy in visiting the institutions and cooperate with them thanks to IACLE." Alejandra Aurioles, CIBA Vision Mexico

"It was a great pleasure to share our experiences with students, educators and colleagues. We are quite happy to contribute to the professional development. We will like to continue with this IACLE. Excellent organisation." Eduardo Mayorca, Johnson & Johnson Vision Care Inc., Mexico and the Caribbean



Workshops

In follow up to the Industry Seminars, industry representatives are invited to come back to the schools and conduct hands-on workshops using their products. This program has been a huge success in 2004 with ten workshops (60 workshop sessions) being held for 338 students. Alcon, Bausch & Lomb, CIBA Vision Cooper Vision, Johnson & Johnson Vision Care Inc. and Ocular Sciences Inc. held workshops on topics such as insertion and removal of contact lenses, spherical and toric soft contact lens fitting, bifocal fitting, cosmetic soft contact lens fitting, care and maintenance, physiology of the anterior segment, as well as marketing. More than 500 contact lenses and 350 solutions were donated to the institutions during these workshops.

Meetings

Two Latin American members (Guillermo Carrillo, Peru and Julio Torres, Mexico) were selected to attend the AOCLE Annual Meeting at SCCO in California. This was a great opportunity for them to be exposed to North American educators in order to exchange ideas and gain new knowledge.

On October 8, 2004 the IACLE Latin America

Office held an IACLE Update in conjunction with the FEDOPTO Congress in Cartagena, Colombia. Percy Lazon and Vice President Desmond Fonn hosted the meeting for 31 educators and seven industry representatives. Attendees participated in an open forum discussion covering such topics as clinical experience for students, industry seminars and workshops, donation of lenses and contact lens care products to be used by the schools, as well as practitioner education and public awareness.

IACLE was well represented in the scientific program of the FEDOPTO congress, with FIACLEs presenting 12 lectures on a range of topics. Vice President Desmond Fonn presented the Key Note lecture titled: "Contact Lenses Now and in the Future".

Student Trial Exams

Four student trial exams were held throughout the year for 104 students in Colombia, Mexico, Uruguay and Peru. Available results have been distributed to the educators, along with recommendations as to how they can implement changes to their curriculum to address the areas of weakness that were identified.

Accreditation Examination

Latin American members were well represented at the 5th administration of the IACLE Accreditation Exam with 28 members writing the exam at seven sites in the region. Of these candidates, 11 are DLP participants. One of the sites was in Cartegena Colombia at the FEDOPTO congress, where organizers generously provided a room to IACLE so that members attending the meeting could write the exam.