

 INTERNATIONAL COUNCIL  
of OPHTHALMOLOGY


## The importance of digital literacy for developing good CPD

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Director for E-learning





Objetives 




 INTERNATIONAL COUNCIL  
of OPHTHALMOLOGY


### Center for Ophthalmic Educators




Content 

- Why consider online teaching and learning?
  - Face to face vs online teaching
  - Types of online teaching and learning
- The role of the ICO
  - Online courses
  - The Center for Ophthalmic Educators
  - The Technology Blog
  - The Ophthalmic Educators Group



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### We need to be more efficient

A world map with several small, square photographs placed over different continents, showing people in various professional or educational settings. The photos include groups of people in meetings, individuals in classrooms, and people in office environments.

### We need to be more efficient

A world map with a central photograph of a person. Red arrows originate from this central photo and point towards various regions across the Americas, Europe, and Asia, suggesting a global reach or focus.

### What about traditional lectures?

Teaching Method	Average Retention Rate
Immediate use	~90%
Practice by doing	~75%
Discussion group	~50%
Demonstration	~30%
Audio-visual	~20%
Reading	~10%
Lecture	~5%

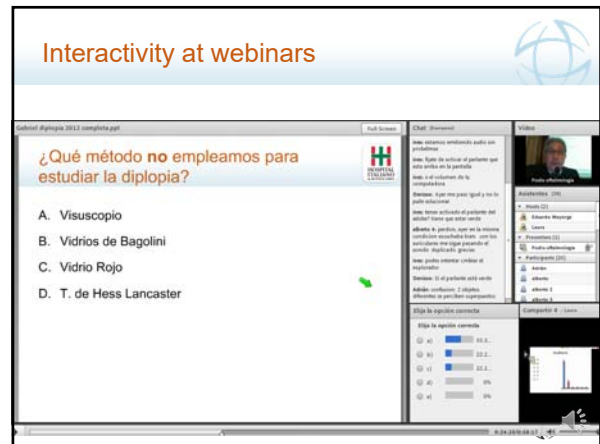
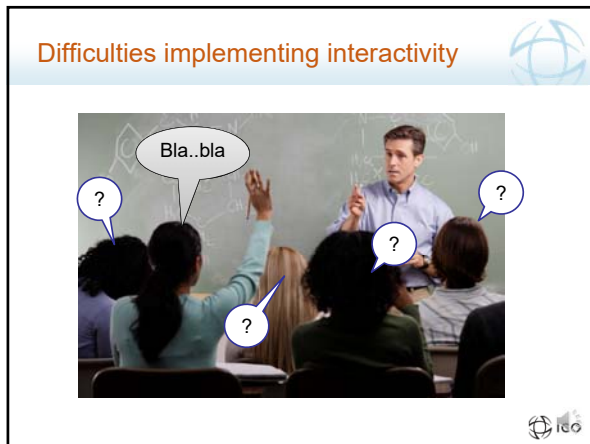
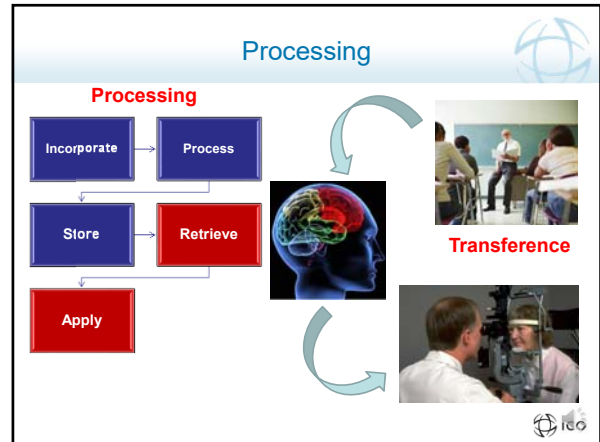
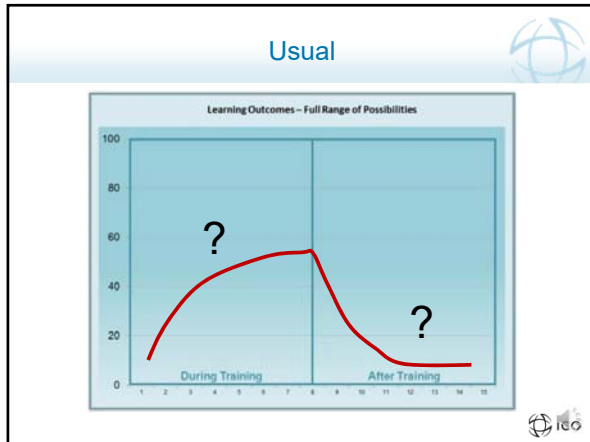
A horizontal bar chart titled "Average Retention Rates of Teaching Methods". The x-axis represents the percentage of retention, ranging from 0% to 100% in 20% increments. The y-axis lists seven teaching methods. A red arrow points to the "Lecture" bar, which is the shortest, indicating the lowest retention rate.

Figure 1: Average Retention Rates of Teaching Methods [11]

### Desired

Time	Learning Outcome (%)
1	~5
2	~35
3	~55
4	~65
5	~75
6	~85
7	~90
8	~95
9	~98
10	~99
11	~99
12	~99
13	~99
14	~99
15	~99

A line graph titled "Learning Outcomes - Full Range of Possibilities". The y-axis represents the percentage of learning outcomes, from 0 to 100. The x-axis represents time, from 1 to 15. A red curve shows a rapid increase in learning outcomes during the first 7-8 units of training, then levels off at approximately 99% after 10 units. A vertical line at unit 7 separates the "During Training" phase from the "After Training" phase.



### Interactivity in asynchronous

**Public health for eye care - presentation with audio**  
by Daniela Patai - Monday, 3 June 2013, 09:41 AM

Hi, I have made an attempt to pull together the presentation with audio and also placed the slides into categories. I would love some feedback on this. My reflection on slides is also in the notes section of the slides  
<http://my.brainspark.com/understanding-ovsic-health-for-eye-care-9564209>

Maximum rating: - Rate - [v] Edit | Delete | Reply

**Re: Public health for eye care - presentation with audio**  
by Patricia Lertosa - Monday, 3 June 2013, 11:22 AM

Dear Daniela Great Activity. Your voice is audible and clear. You have maintained the tone and pace of your presentation perfectly. I like the way you substituted words with pictures and also included arrows to show a process. You also have appropriately used charts in your presentation. Your menu of presentation is also great Great work Daniela. Well done Regards Patricia.

Maximum rating: - Rate - [v] Show parent | Edit | Delete | Reply

**Re: Public health for eye care - presentation with audio**  
by Eduardo Mayorga - Monday, 3 June 2013, 02:41 PM

Hello Daniela

I agree with Patricia, with all he has said. You mad a great "takeover"

I then you still have some opportunities to take out some text from some of the slides, eg in slides 12,13,14, 17 and 19

You could also consider, when ever possible, present percentages of a whole with a pie graph.

Eduardo

### MCQ

A 40 year old lady was appointed for episodic headache and halos. Ophthalmic observation revealed bilaterally 10/10 UCVA, shallow anterior chamber depth, central and reactive pupil and disc excavation of 0.5, IOP was 18 mmHg. Among other ancillary tests an UBM was performed and below is one of the echograms obtained.

Which of the following are the most probable findings?

- Open angle glaucoma
- Intermittent pupillary block
- Plateau iris
- Malignant glaucoma

### Clinical scenarios

DemoScenario

Ana Maria is a 33 year-old patient with myopia of -7 and -12 diopters. She wants to quit using her glasses and asks:

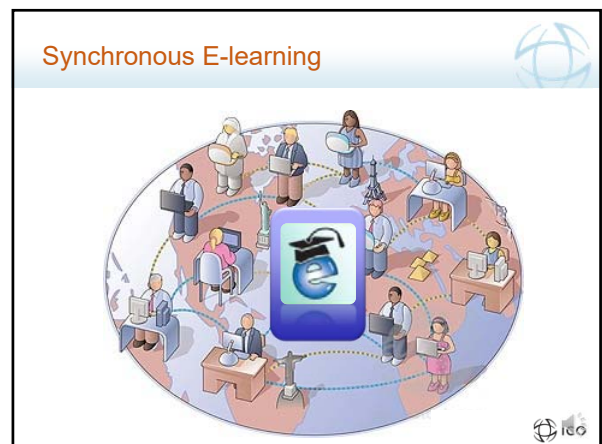
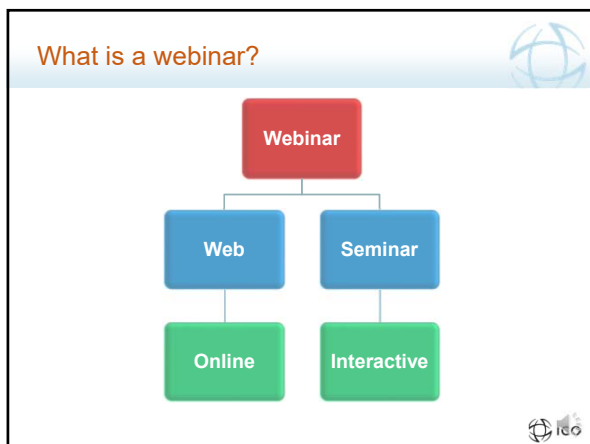
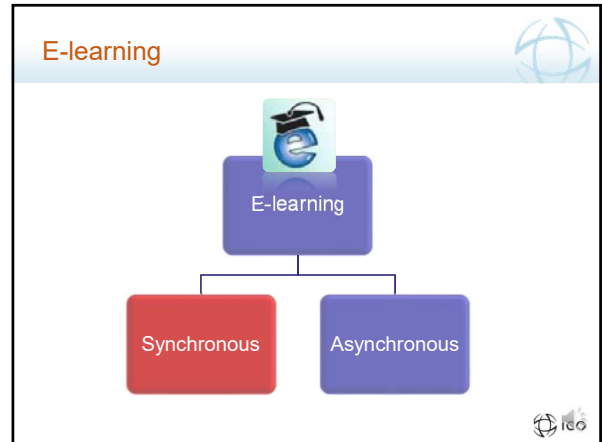
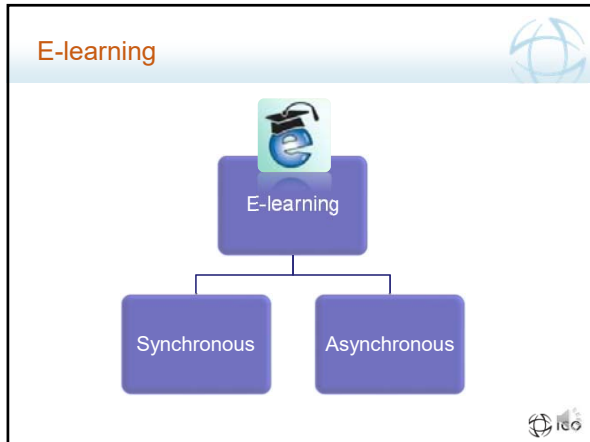
"Dr., what alternatives do I have?"

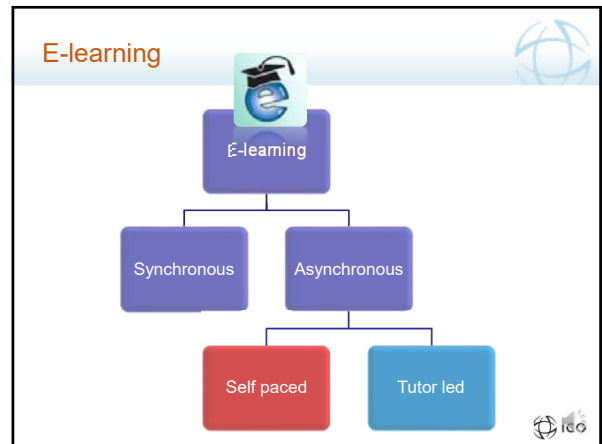
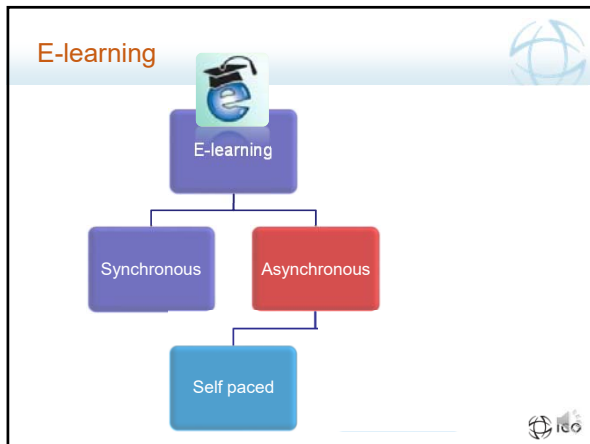
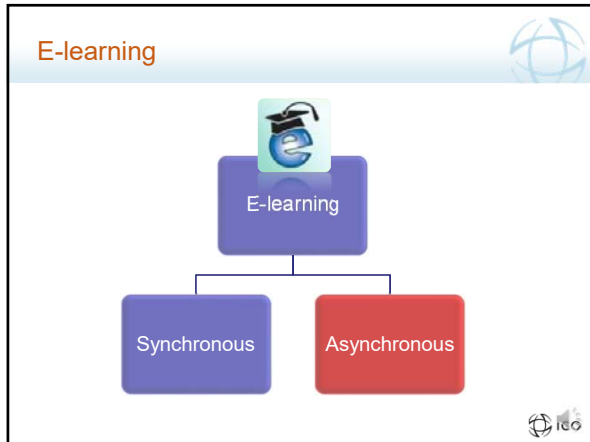
You explain some alternatives to her

You tell here you must examine her first

### Content

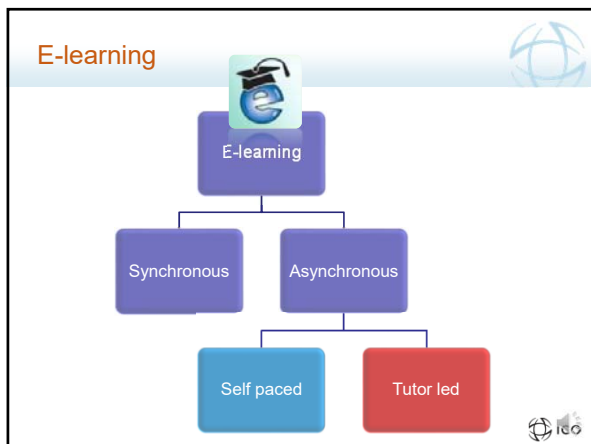
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### Self paced

A collage of four educational websites related to ophthalmology. Top left: Wills Eye website with a navigation menu and search bar. Top right: OSN SuperSite with a featured article on 'Ophthalmic Hyperguide'. Bottom left: A social media-style feed with various posts. Bottom right: ONE Network website featuring an article titled 'Incorporating femtosecond lasers into cataract surgery' with a video thumbnail.



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### What is the ICO?


- Represents and serves professional associations for ophthalmologists throughout the world.
- Swiss Not for Profit Organisation
- Sets International Standards for Education in Ophthalmology

## Vision of the ICO




Hugh Taylor, AC, MD  
President  
International Council of Ophthalmology

“The ICO is working to build a world alliance for sight.”




## Harmonizing Global Ophthalmology



**Membership**  
103 National Societies  
44 International Subspecialty Societies

**Collaborating Organizations**  
WHO  
IAPB  
AOI  
INGOs

**Supranational Organizations**  
Asia Pacific (APAO)  
European (SOE)  
Middle East African (MEACO)  
Pan-American (PAAO)



## Commitments of the ICO



refocusing Education

enhancing Eye Care


advancing Leadership

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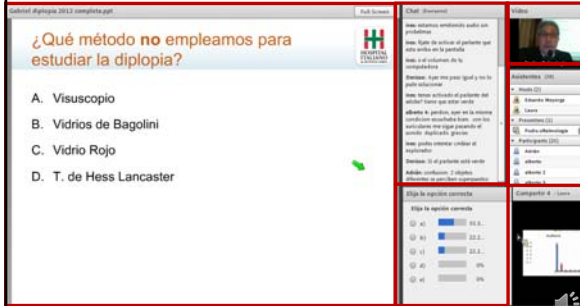




**Course** **Webinars Workshop**



### The webinar screen



**¿Qué método **no** empleamos para estudiar la diplopia?**

- A. Visoscopio
- B. Vidrios de Bagolini
- C. Vidrio Rojo
- D. T. de Hess Lancaster

The screenshot also shows a chat window on the right with a question: "¿Qué método **no** empleamos para estudiar la diplopia?" and a poll at the bottom with options A, B, C, and D.


**Course** **Web-Based Teaching**






**Transforming Lectures into Effective Teaching Interventions**




### Modules

**Adult Learning Theory**

- Engage
- Keep attention
- Facilitate learning

### Modules

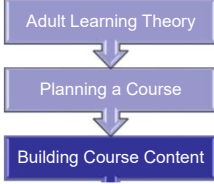


- Write goals and objectives
- Organize content
- Develop assessments









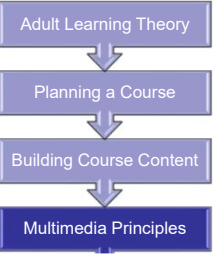

### Modules




- Facts
- Concepts
- Procedures
- Processes
- Principles

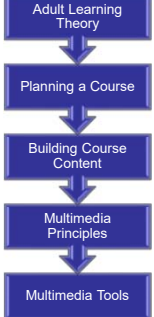






### Modules

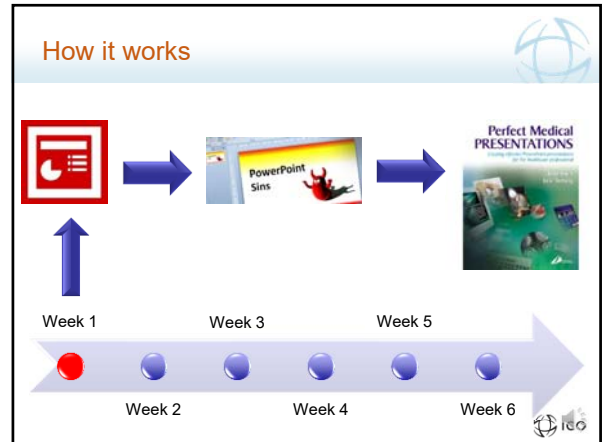
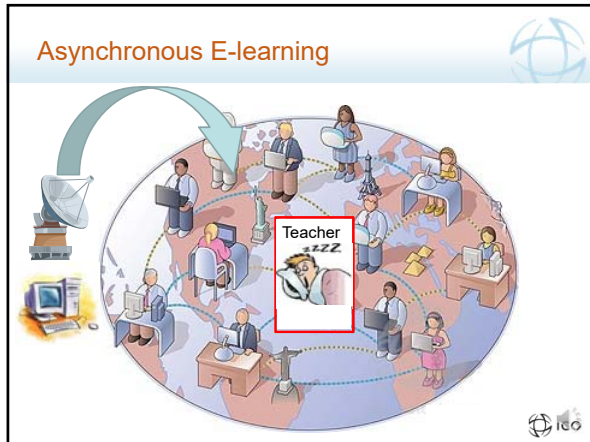



- Cognitive physiology
- Combining multimedia
- Learning effectiveness



### Modules



**INTERNATIONAL COUNCIL of OPHTHALMOLOGY**

ONLINE COURSE

## Learning and Teaching Critical Thinking

To help participants develop critical thinking skills.

### Critical Thinking

The diagram shows three stages of critical thinking: 'Problem' (a red person icon with a question mark), 'Think' (a yellow person icon with gears), and 'Solve' (a green person icon with a lightbulb). Arrows connect the stages from left to right.

<http://onlinecourses.icoph.org/critical-thinking/>


IEO logo

### Richard Paul's Teachings

The screenshot shows the website for 'THE FOUNDATION FOR CRITICAL THINKING'. The navigation menu includes Home, Register, About Us, Library, Professional Development, Research, Conferences & Events, Assessment & Testing, News, and Online Learning. A purple banner reads: 'Submit a Roundtable Discussion proposal for the 38th Annual International Conference on Critical Thinking! See submission guidelines here. (Deadline: March 15)'. Below the banner is a photo of two men in conversation. A text overlay on the photo says: '2018 Fund Drive Help Sustain The Foundation for Critical Thinking'. The IEO logo is in the bottom right corner.

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<https://educators.icoph.org/>



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<http://icotechology.ophthalmologyblogs.org/>



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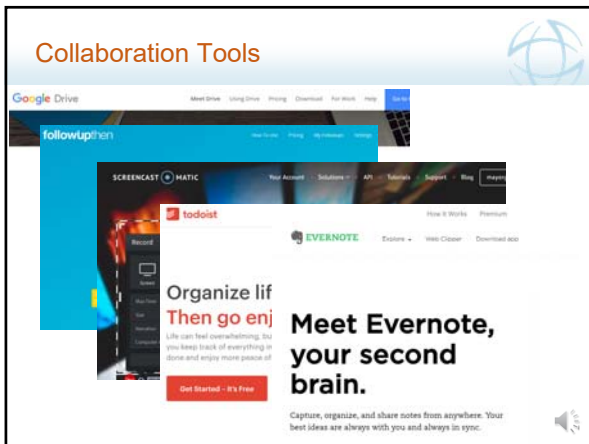



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## Collaboration Tools





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