The importance of digital literacy for developing good CPD

Dr. Eduardo Mayorga
Director for E-learning

Objetives

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

What about traditional lectures?

Desired

Figure 1: Average Retention Rates of Teaching Methods

<table>
<thead>
<tr>
<th>Teaching Method</th>
<th>Retention Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate use</td>
<td>High</td>
</tr>
<tr>
<td>Practice by doing</td>
<td>Moderate</td>
</tr>
<tr>
<td>Discussion group</td>
<td>Low</td>
</tr>
<tr>
<td>Demonstration</td>
<td>Very Low</td>
</tr>
<tr>
<td>Audio-visual</td>
<td>Even Lower</td>
</tr>
<tr>
<td>Reading</td>
<td>Lowest</td>
</tr>
<tr>
<td>Lecture</td>
<td>Most</td>
</tr>
</tbody>
</table>

Learning Outcomes – Full Range of Possibilities
Difficulties implementing interactivity

Interactivity at webinars
Interactivity in asynchronous

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

MCQ

Clinical scenarios

Demo Scenario

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

"Dr, what alternatives do I have?"

- You explain some alternatives to her
- You tell her you must examine her first

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What is a webinar?

Synchronous E-learning
E-learning

E-learning

Synchronous  Asynchronous

Asynchronous E-learning

Self paced  Tutor led
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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
“The ICO is working to build a world alliance for sight.”

Hugh Taylor, AC, MD
President
International Council of Ophthalmology

Vision of the ICO

Harmonizing Global Ophthalmology

Collaborating Organizations
WHO
IAPB
AOI
INGOs

Membership
103 National Societies
44 International Subspecialty Societies

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

Commitments of the ICO

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Transforming Lectures into Effective Teaching Interventions

Engage
- Keep attention
- Facilitate learning

Adult Learning Theory

Modules

The webinar screen

¿Qué método no empleamos para estudiar la diplopa?

A. Visuacoso
B. Voces de Bajolino
C. Video Raja
D. T. de Hees Lancaster
- Write goals and objectives
- Organize content
- Develop assessments

- Facts
- Concepts
- Procedures
- Processes
- Principles

- Cognitive physiology
- Combining multimedia
- Learning effectiveness

- Modules
- Adult Learning Theory
- Planning a Course
- Building Course Content
- Multimedia Principles

- Modules
- Adult Learning Theory
- Planning a Course
- Building Course Content
- Multimedia Tools
Asynchronous E-learning

How it works

Week 1 → Week 2 → Week 3 → Week 4 → Week 5 → Week 6

Richard Paul’s Teachings

Learning and Teaching Critical Thinking
To help participants develop critical thinking skills.

Critical Thinking

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

Submit & recommend a discussion proposal for the 2018 Annual International Conference on Critical Thinking.

Foundation for Critical Thinking

2018 Fund Drive
Help reduce the challenge for critical thinking.
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http://icotechnology.ophthalmologyblogs.org/
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Collaboration Tools
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