

Take
Home
Notes

EURACT SNOWBALL #2 SYMPOSIUM



Effective online medical
teaching of >200 learners:
mission impossible... or not?

Facilitators



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Objectives

At the end of this symposium you...

- will be able to find ways to become a better online presenter;
- know how to create an effective presentation;
- will know how to choose and use some tools in effective online education;
- will be more confident to plan online education for a big audience.



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Small Workshop #1

Tips for a good presenter online:

- Appearance
- Camera position
- Background
- Light
- Sound and voice
- Appearance
- Body language
- Technological issues

Appearance

- business (smart) casual style of presenter's clothes is the best
- It is better to use neutral colors of clothes

Noah Zandan et al. "Dress for the (Remote) Job You Want" Harvard Business Review (2020)

Camera position

- eye-level camera angle is the best (for a laptop, place on stack of books)

Baranowski, Andreas Michael, and Heiko Hecht. "Effect of camera angle on perception of trust and attractiveness." Empirical Studies of the Arts 36.1 (2018): 90-100.

- eye contact with the camera and not the screen
- Position yourself in the center of screen

Wolff, Margaret, and Heather Burrows. "Planning for virtual interviews: residency recruitment during a pandemic." Academic Pediatrics 21.1 (2021): 24-31.

Background

- The best background is an actual room, with not so many details (should not be distracting)
- avoid the doors behind you – somebody can open them

Noah Zandan et al. "Dress for the (Remote) Job You Want" Harvard Business Review (2020).

Wolff, Margaret, and Heather Burrows. "Planning for virtual interviews: residency recruitment during a pandemic." Academic Pediatrics 21.1 (2021): 24-31.



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Light

- overhead lighting preferred to direct light or backlighting.
- use several sources of the light, which are not in the frame and not behind you.

Wolff, Margaret, and Heather Burrows. "Planning for virtual interviews: residency recruitment during a pandemic." *Academic Pediatrics* 21.1 (2021): 24-31.

Haley, Caleb, Ethan Song, and Samuel Lance. "Recommendations for Medical Students Completing Virtual Rotations: Lessons Learned from Our Experience During the COVID-19 Pandemic." *MedEdPublish* 10 (2021).

Sound and Voice

- Use external microphone (improved quality and reduced background noise).
- Minimize background noise (dogs, kids, sirens, wind).
- Avoid interruptions - turn off phone, mute alerts on computer.
- Change loudness, tempo (be careful, don't speak too fast), intonation, use modulations, pauses and accents.

Wolff, Margaret, and Heather Burrows. "Planning for virtual interviews: residency recruitment during a pandemic." *Academic Pediatrics* 21.1 (2021): 24-31.

Blome, Christine et al. "Accepted standards on how to give a Medical Research Presentation" *GMS journal for med.ed.* vol. 34,1 Doc11. 2017.

Body language

- Avoid rolling chairs.
- Minimize hand gestures.

Wolff, Margaret, and Heather Burrows. "Planning for virtual interviews: residency recruitment during a pandemic." *Academic Pediatrics* 21.1 (2021): 24-31.

Technological issues

- Reliable, high-speed internet.
- Computers are plugged into a power source.
- test everything before the presentation.

Wolff, Margaret, and Heather Burrows. "Planning for virtual interviews: residency recruitment during a pandemic." *Academic Pediatrics* 21.1 (2021): 24-31.



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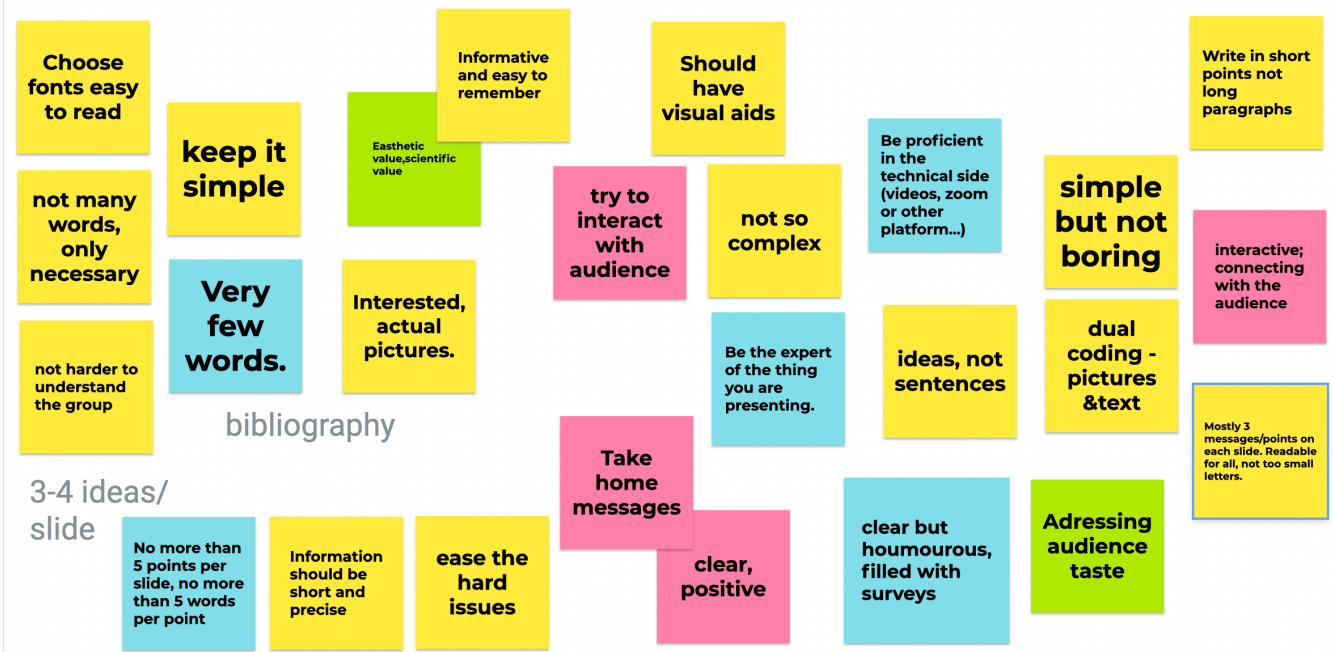
Small Workshop #2

Tips for a good presentation:

- Keep it simple
- Make it look good
- Support the message

A SCREENSHOTS OF THE BRAINSTORMING SESSION DURING THE SYMPOSIUM

Ws#2: What are the features of a good presentation?



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Ws#2 What would be possible alternatives to a traditional presentation?

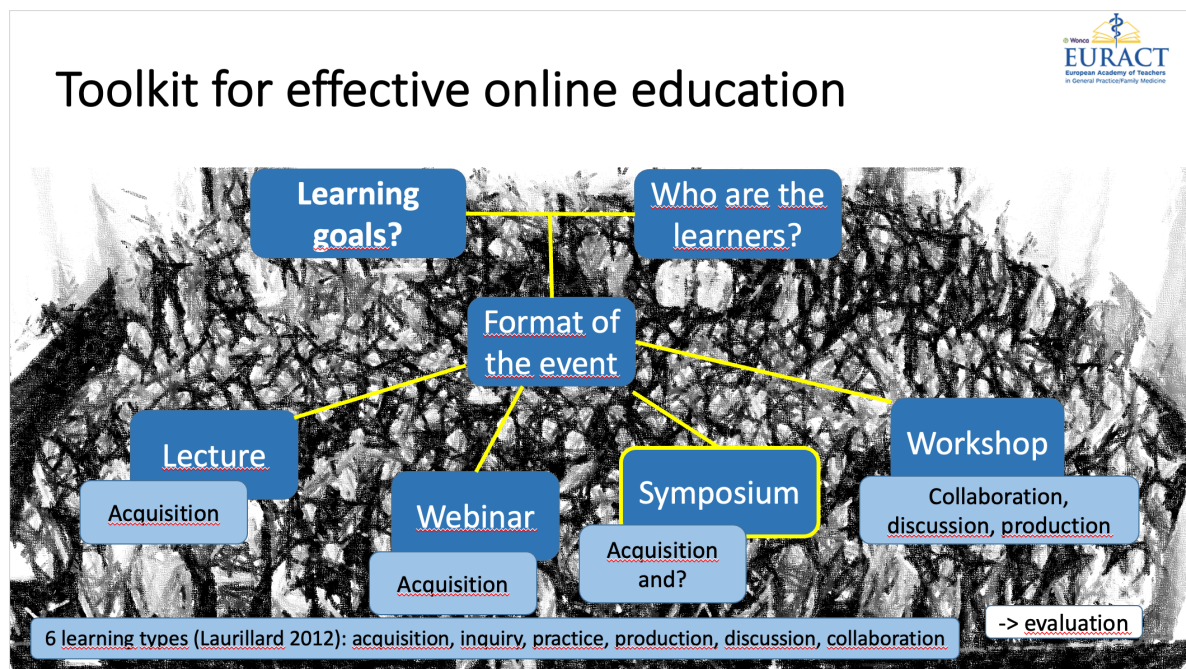


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Small Workshop #3

TIPS for effective online education event for a big audience:

- Choose the format and methods aligned with learning goals
- Choose the tools that you know
- Reserve time for the tech
- Interaction is for reflection
- Assess and improve



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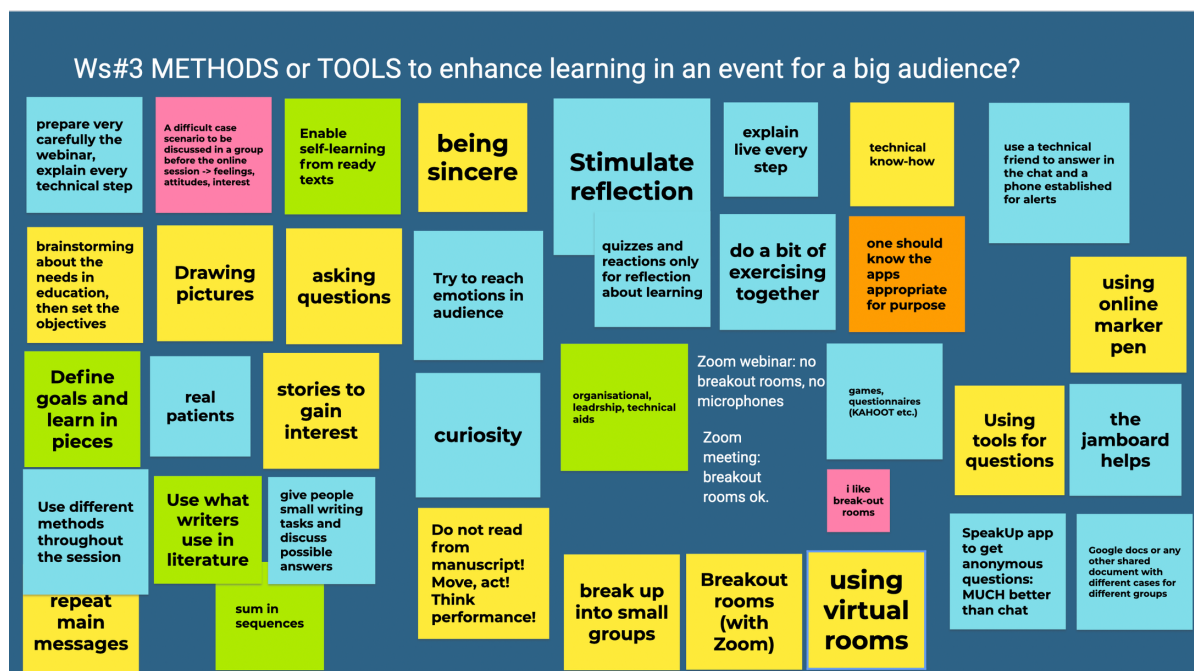
Online: is it effective even for a big audience?

- Learning online \geq face-to-face (knowledge and skills)
 - controversy among medical students (Pei & Wu 2019)
- Blended learning > face-to-face
 - may reflect differences in content, pedagogy and learning time. (Vallée et al.2020)
- the use of a blended approach > a purely online approach
- instructor-directed or collaborative > independent, self-directed instruction
- Inclusion of more media (video, quiz etc.) in an online application does not enhance learning
 - !But: Online learning can be enhanced by triggering learner activity, learner reflection and self-monitoring of understanding as individuals.
- Team-based learning (TBL) (a)synchronously combined is effective (Malik & Malik 2021, Dost et al. 2020)

Instead of online education per se, BLENDED LEARNING is easily effective!

But you often need to add extra learning time and foster collaboration.

It is not obvious if attitudes and other non-clinical knowledge or skills can be taught effectively online.





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Technical Tools We Have Used

- Zoom
- Wooclap
- Jamboard

References

Dost S, Hossain A, Shehab M, Abdelwahed A and Al-Nusair L Perceptions of medical students towards online teaching during the COVID-19 pandemic: a national cross-sectional survey of 2721 UK medical students. *BMJ Open*. 2020 Nov 5;10(11):e042378. doi: 10.1136/bmjopen-2020-042378.

Laurillard, D. (2016). Diana Laurillard introduces the six learning types. https://www.youtube.com/watch?time_continue=59&v=wnERkQBqSGM [YouTube video]
Laurillard, D. (2012). *Teaching as a design science: Building pedagogical patterns for learning and technology*. New York, NY: Routledge.

Malik and Malik, <https://doi.org/10.1080/0142159X.2021.1910642>
Means et al. *Evaluation of Evidence-Based Practices in Online Learning A Meta-Analysis and Review of Online Learning Studies*, U.S. Department of Education 2010. <https://www2.ed.gov/rschstat/eval/tech/evidence-based-practices/finalreport.pdf?fbclid=IwAR2ukdob6alSbD1L0YzQdVd-gmdbOIO0sgXiApgGEU-XopUG0TW79LOAsOk>

Pei and Wu (2019) Does online learning work better than offline learning in undergraduate medical education? A systematic review and meta-analysis. *Med Educ Online*. 2019 Dec;24(1):1666538. doi: 10.1080/10872981.2019.1666538.

Vallée A, Blacher J, Cariou A, Sorbets E. Blended Learning Compared to Traditional Learning in Medical Education: Systematic Review and Meta-Analysis. *J Med Internet Res*. 2020 Aug 10;22(8):e16504. doi: 10.2196/16504. PMID: 32773378; PMCID: PMC7445617.