

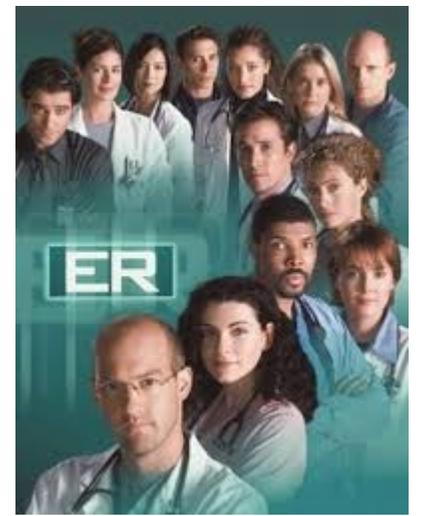


# How to make training fun and engaging

Terracciano Fulvia  
Coordinator Ultrasound Service  
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San Giovanni Rotondo  
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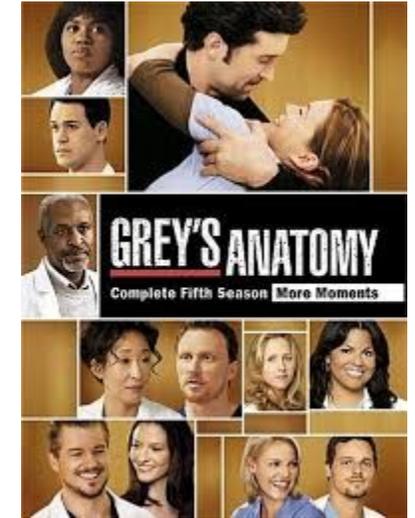


# GENERATION X LEARNING



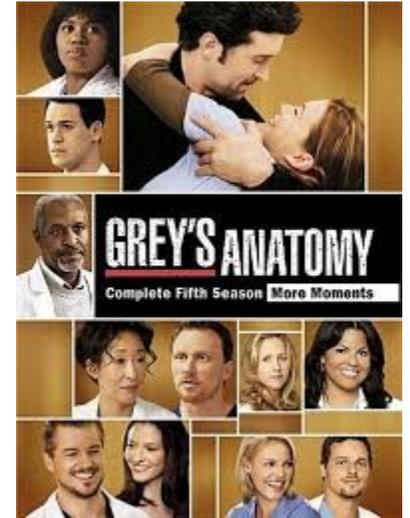
HUGE CONGRESS ROOM  
FRONTAL LESSON  
PRINTED TEXTBOOKS

# MILLENNIALS LEARNING



DIGITAL NATIVE  
GREATER ABILITY TO USE TECHNOLOGY  
FASTER LEARNING  
LOW ATTENTION  
COSTANT FEEDBACK

# MILLENNIALS LEARNING



COURSES WITH FEW STUDENTS  
COOPERATIVE TEACHING  
TECNOLOGY

# GENERATION Z LEARNING



WE MUST LOOK FOR  
FASTER  
MORE ENGAGING  
FUN  
METHODS

# Strategies to IMPROVE Learning



**MINIMIZE  
THE FRONT END**



**Ask yourself:**

**"What are the essential elements of my lesson?"**

**"Which image by affinity or contrast, best conveys the idea I intend to communicate?"**



# Strategies to IMPROVE Learning

## Mind the Learners focus attention

More actively people play, more they learn and, above all, more they remember.



**Ask yourself:**  
"What activity (exercise, simulation, etc) can I include in my lesson? "



# Strategies to IMPROVE Learning

## Pose problems Instead of theorems



That it is much more productive to ask students a question to solve, rather than presenting them with a theory or formula.

This method stimulates to activate their resources

**Ask yourself:**

**"What problem can I pose to help them to discover this theory? "**



# Strategies to IMPROVE Learning

**Use Humor and light professional jokes to keep attention**

**Ask yourself:  
"What image can I use to help them to remember better? "**



Nurses



POSITIVE EMOTIONS MAKE  
STRONG MEMORY PATHWAYS

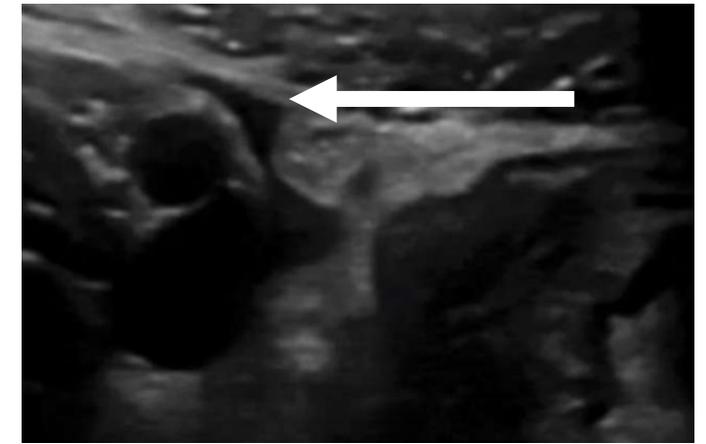
LEARNERS REMEMBER IMAGES  
AND JOKES BETTER THAN  
PLAIN TEXT

Baid H et. Nurse Educ Today. 2010

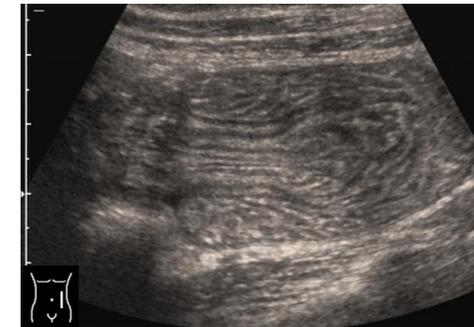
Ali BHI et al. Nurse Educ Today. 2023

# Funny & Memorable Signs

✓ Tanga sign → free peritoneal fluid

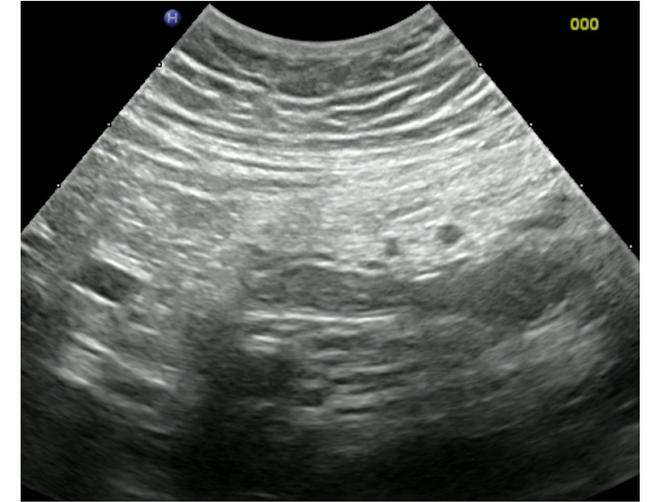


✓ Onion sign/sandwich sign → intussusception

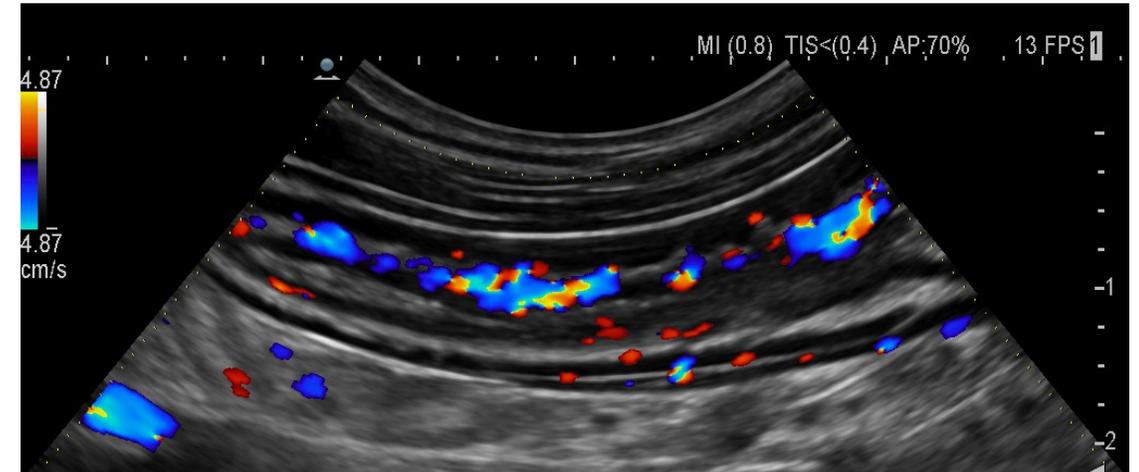


# Funny & Memorable Signs

✓ Snowstorm sign → fat wrapping / mesenteric inflammation



✓ Fireworks sign → hypervascularization



✓ comb sign



**NOT ONLY IMAGE  
BUT ALSO  
SOUND AND ICONS**

HELP INSTANT AND  
PHOTOGRAPHIC  
MEMORY



# Strategies to IMPROVE Learning

**Experiment new teaching  
methods**



**Ask yourself:  
"What new approach I can use to share  
knowledge? "**

# Strategies to IMPROVE Training

1. Interactive Group Exercises
2. Peer-to-Peer Learning
3. Storytelling – build cases as patient stories
4. Interactivity – hands-on scanning, role-play, team challenges
5. Gamification – quizzes, competitions, scoring systems

# Interactive Group Exercises

- ✓ Divide trainees by experience levels for tailored practice
- ✓ Create learning environment, indicate objectives and encourage to interact
- ✓ Case-based challenges with ultrasound images
- ✓ ‘Find the sign’ game – spot the feature in live scanning
- ✓ Peer-to-peer teaching

# Strategies to IMPROVE Training

## COOPERATIVE LEARNING

What happens when you learn in a group

- People actively participate
- Share knowledge
- Help each other and feel free to do mistake or ask any help

# Strategies to IMPROVE Training

1. Interactive Group Exercises
2. Peer-to-Peer Learning
3. **Storytelling – build cases as patient stories**
4. Interactivity – hands-on scanning, role-play, team challenges
5. Gamification – quizzes, competitions, scoring systems

# Clinical case, M 60 yo

June 2023

Abdominal pain and fever → IUS



Little information

Many images to discuss together

Ask students what they think or what they would have done in that situation

# Strategies to IMPROVE Training

1. Interactive Group Exercises
2. Peer-to-Peer Learning
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RESEARCH ARTICLE

# Teaching medicine with the help of “Dr. House”

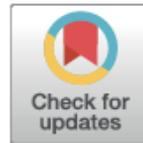
Andreas Jerrentrup<sup>1</sup>\*, Tobias Mueller<sup>1</sup>\*, Ulrich Glowalla<sup>2</sup>, Meike Herder<sup>2,3</sup>, Nadine Henrichs<sup>2,4</sup>, Andreas Neubauer<sup>5</sup>, Juergen R. Schaefer<sup>1</sup> \*

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## Escape MD: Using an Escape Room as a Gamified Educational and Skill-Building Teaching Tool for Internal Medicine Residents

Aakanksha Khanna<sup>1</sup>, Adharsh Ravindran<sup>1</sup>, Brandon Ewing<sup>1</sup>, Karen Zinnerstrom<sup>2</sup>, Connor Grabowski<sup>2</sup>, Archana Mishra<sup>1</sup>, Regina Makkissi<sup>1</sup>

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# Strategies to IMPROVE Training

1. Interactive Group Exercises
2. Peer-to-Peer Learning
3. Storytelling – build cases as patient stories
4. Interactivity – hands-on scanning, role-play, team challenges
5. Gamification – quizzes, competitions, scoring systems

# Competition and Games

- ✓ “Guess the pathology” → show partial images
- ✓ Fastest team to identify the sign wins
- ✓ Rewards: symbolic prizes or applause 🎉

# Strategies to Make Training Fun

Each strategy is improved even more if it is set up while having fun

**"There is no learning without fun and there is no fun without learning".**

Sociologist Marshall McLuhan



# SIMCUP<sup>®</sup>



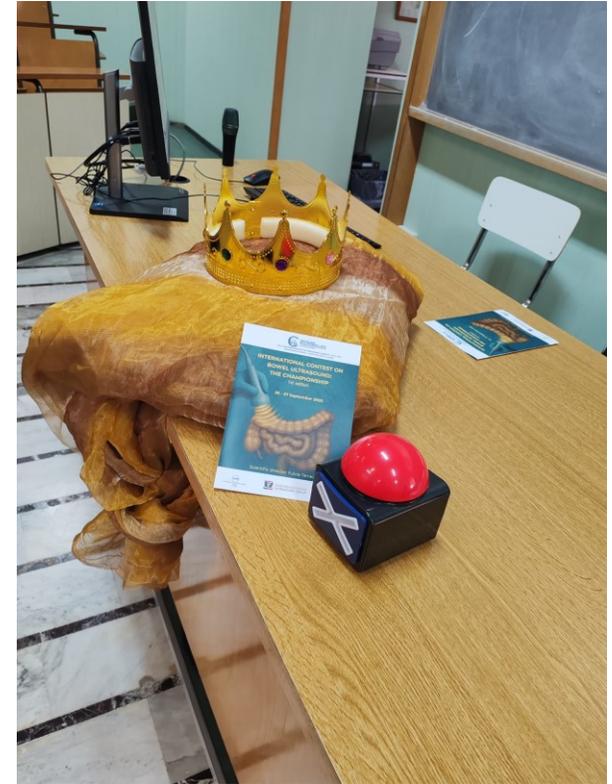


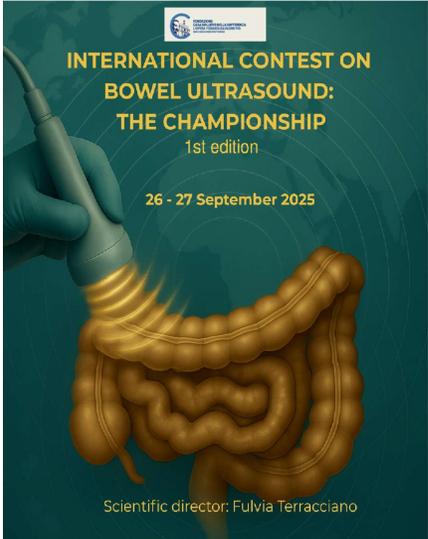
# INTERNATIONAL CONTEST ON BOWEL ULTRASOUND: THE CHAMPIONSHIP

1st edition

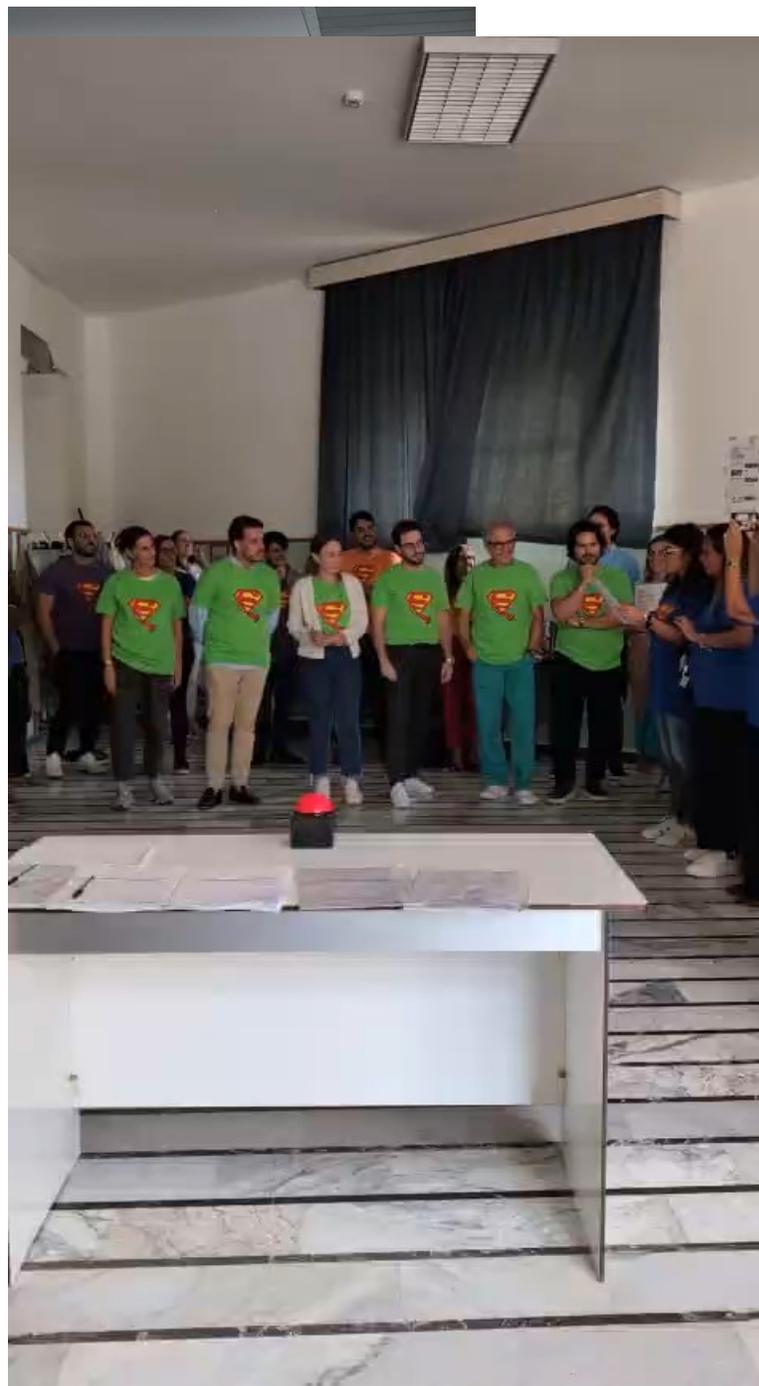
26 - 27 September 2025

Scientific director: Fulvia Terracciano



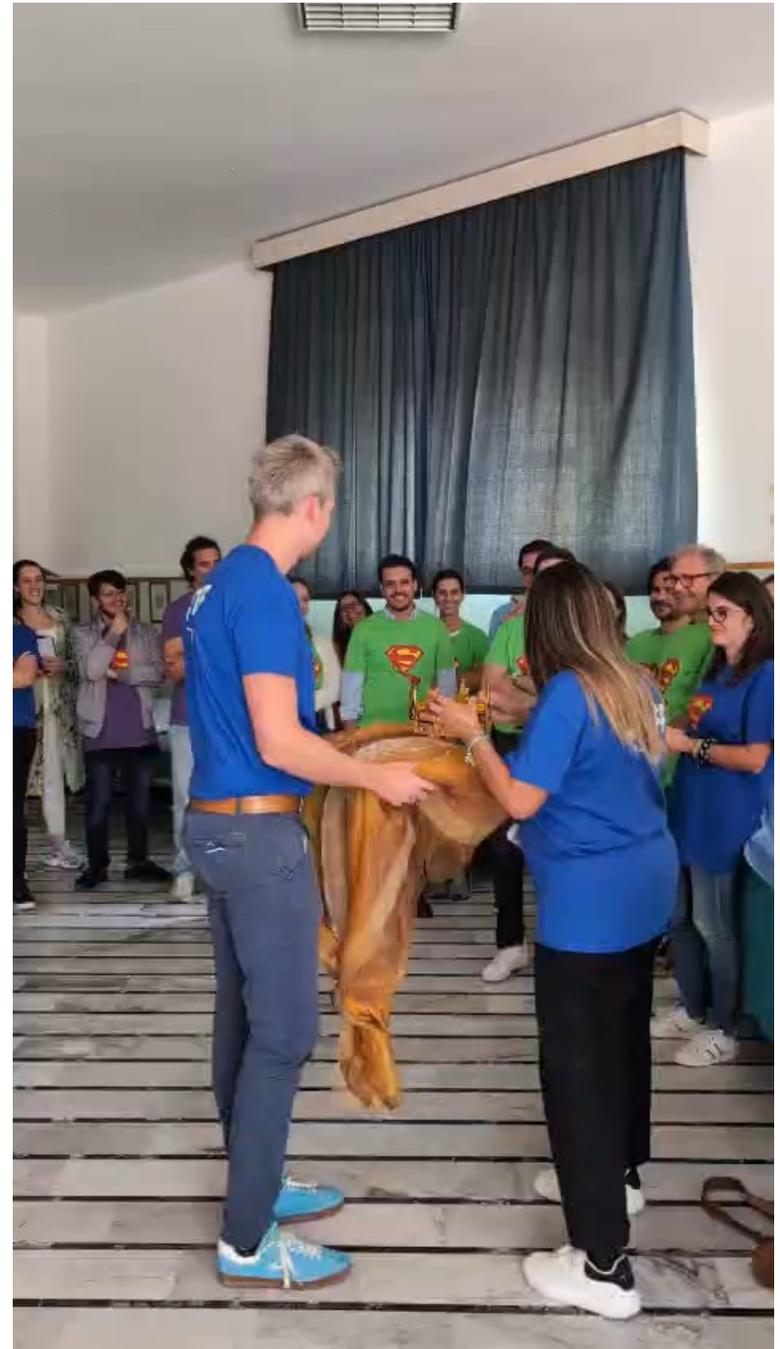
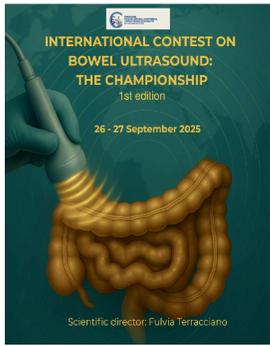






## INTERNATIONAL BOWEL ULTRASOUND COURSE – The Championship – ROUND 1

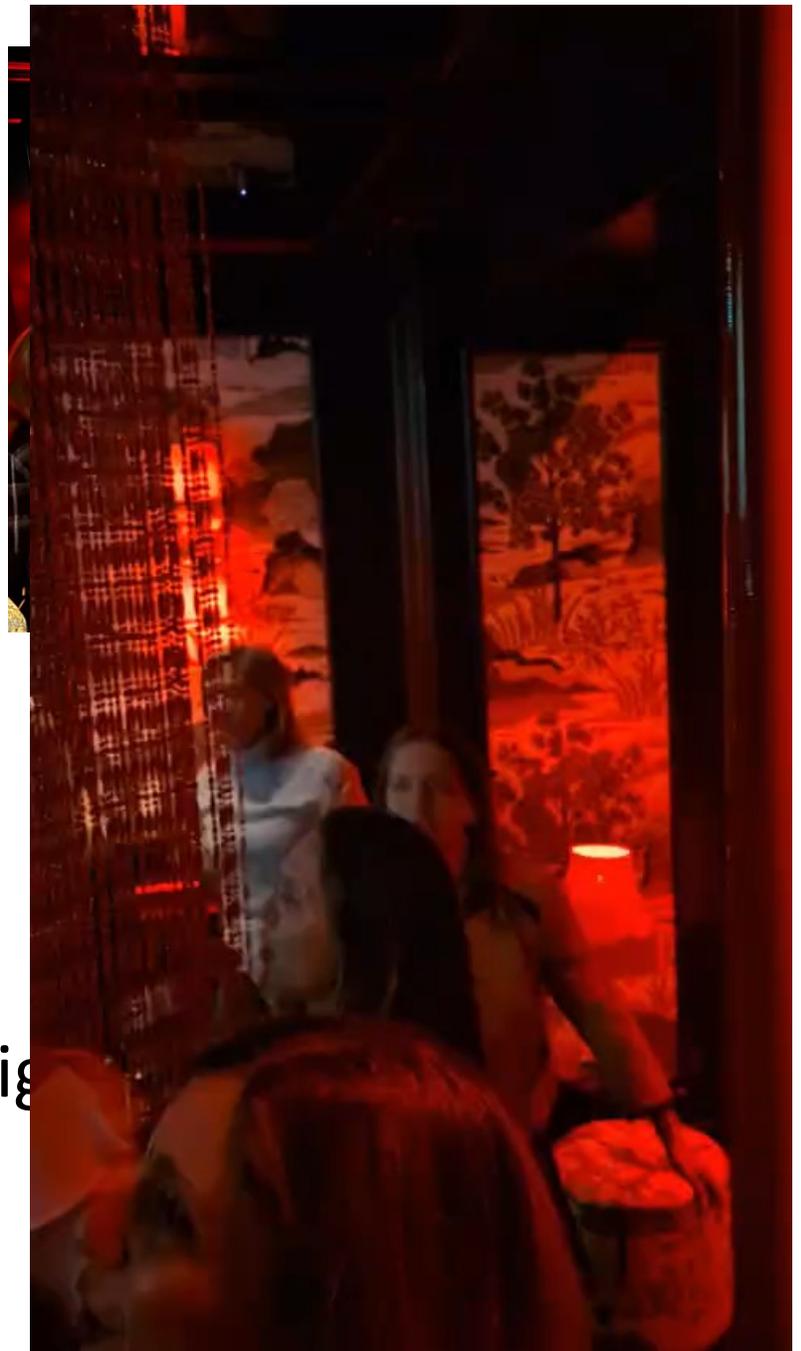




# Let's Play & Remember!

Make learning interactive, visual, and fun:

- ✓ Games + Humor + Hands-on practice = Success
- ✓ Celebrate participation
- ✓ Encourage feedback
- ✓ Learners should leave the room remembering significant information



Teaching is a passion but also a demanding job, sometimes tiring, but capable of giving really great satisfaction and gratification.

Let's every time, experiment something innovative to arrive at the moment when "*teachers teach less and students learn more.*"(cit. by Jan Amos Komenský)

