Rita Mojtahedzadeh, MD, MPH, PhD
Department of e-Learning in Medical Education, Tehran University of Medical Sciences, and second affiliated faculty member, Virtual University of Medical Sciences, Iran

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Blended learning
in clinical education

What’s blended learning?

A mix of learning online and face-to-face learning

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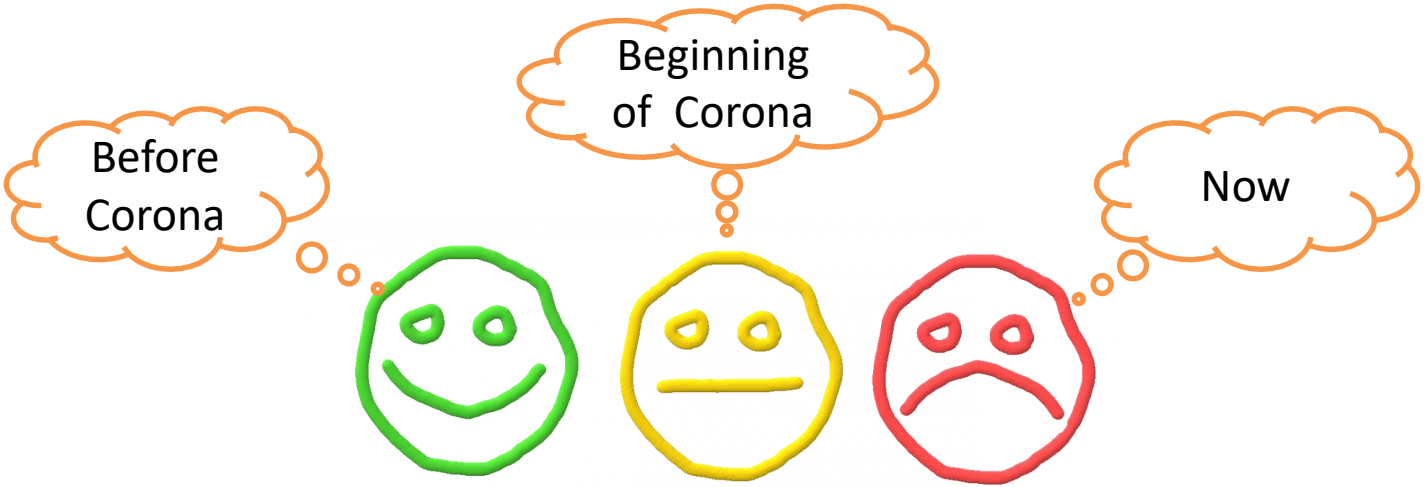


What's blended learning in Corona time?

A mix of learning online ~~and face-to-face learning~~

Through

different e-learning strategies

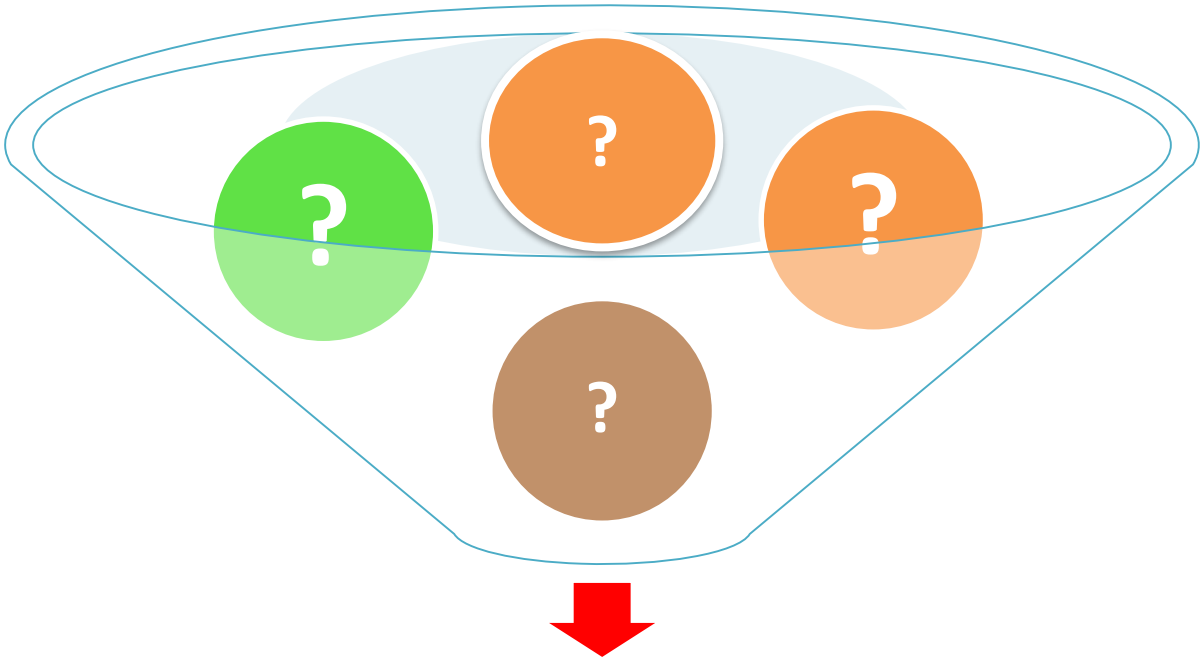
What about clinical education?

What is the solution?

Clinical education “activities” and “must to knows”:

- Theoretical knowledge
- Morning reports, case presentations, rounds, and …
- Communication skills
- History taking
- Physical examination
- Performing procedures
- Patient consultation and follow up
- And …

How to combine different teaching-learning strategies in COVID-19 time?

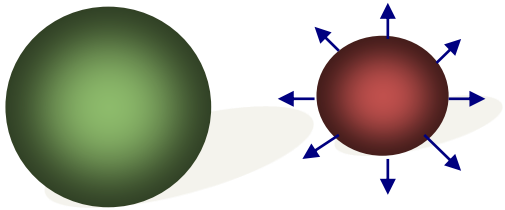


Effective Clinical Education

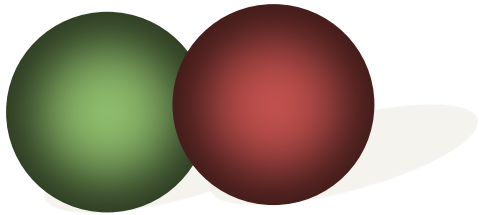
Clinical education

Face to face learning E-learning strategies

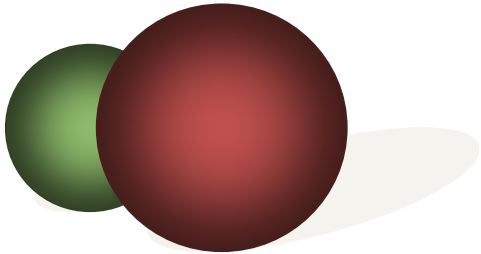
Long before Corona time



Around Corona time



What to do for now!



Blended learning models:

1. Rotation Model
2. Flex Model
3. A La Carte Model
4. Enriched Virtual Model

Rotation Model

- Learners rotate between learning modalities.
- Most of the learning still occurs on a physical campus.
- The Flipped Classroom is the most classic example.

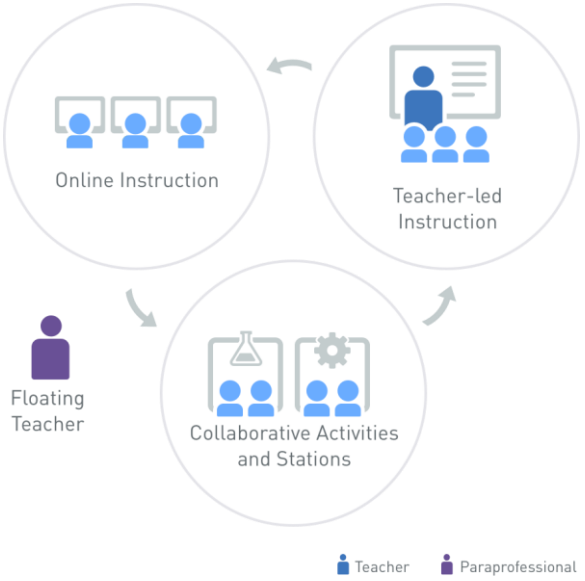
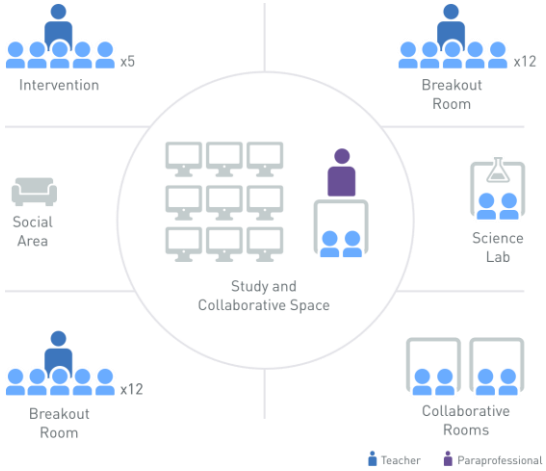


Photo from: https://www.blendedlearning.org/

Flex Model

- Learners switch between learning modalities on a customized, fluid schedule
- E-Learning is its backbone.
- It gives students a high degree of control over their learning.



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A La Carte Model

- **Learners take online courses in addition to their face-to-face ones.**
- **It is a great option elective courses.**

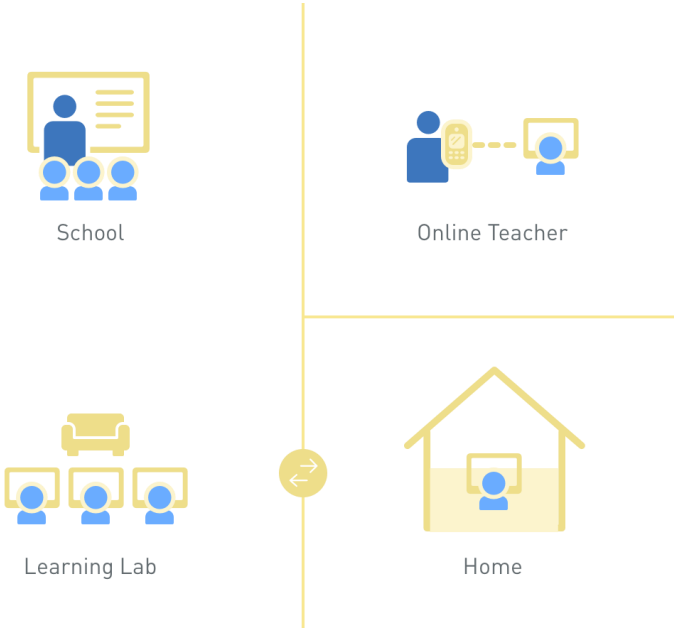


Photo from: https://www.blendedlearning.org/

Enriched Virtual Model

- It allows learners to complete the majority of course online, but attend school for required face-to-face learning sessions.
- It usually don't require daily school attendance.

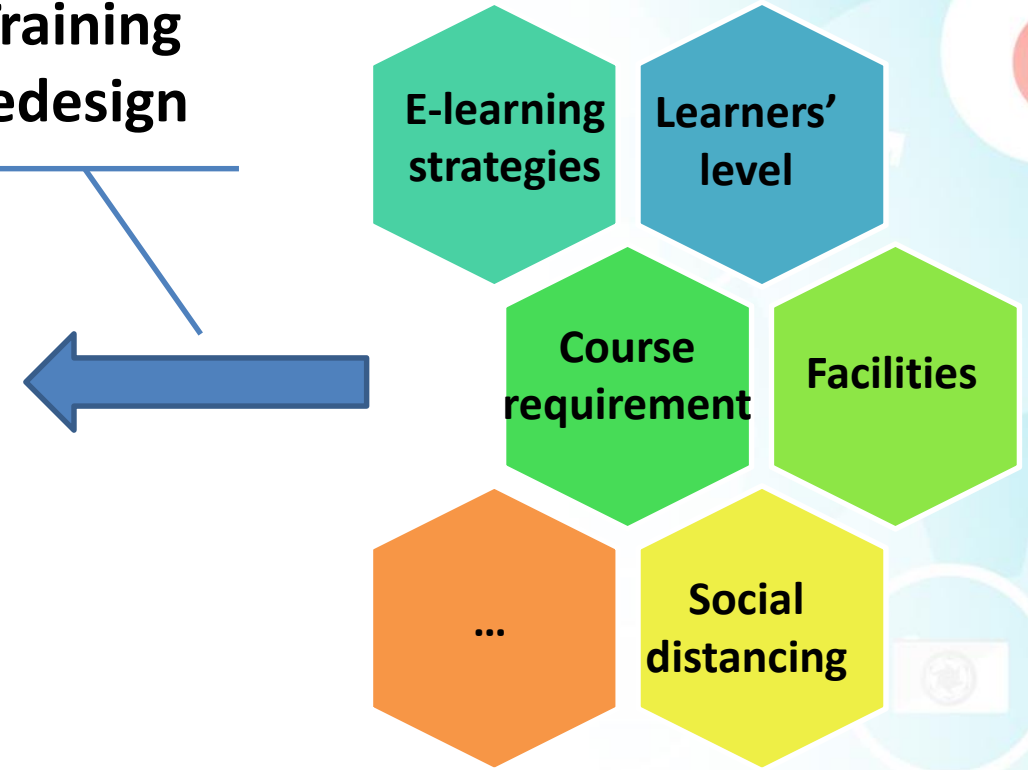
Photo from: https://www.blendedlearning.org/

Which model works the best for clinical education?

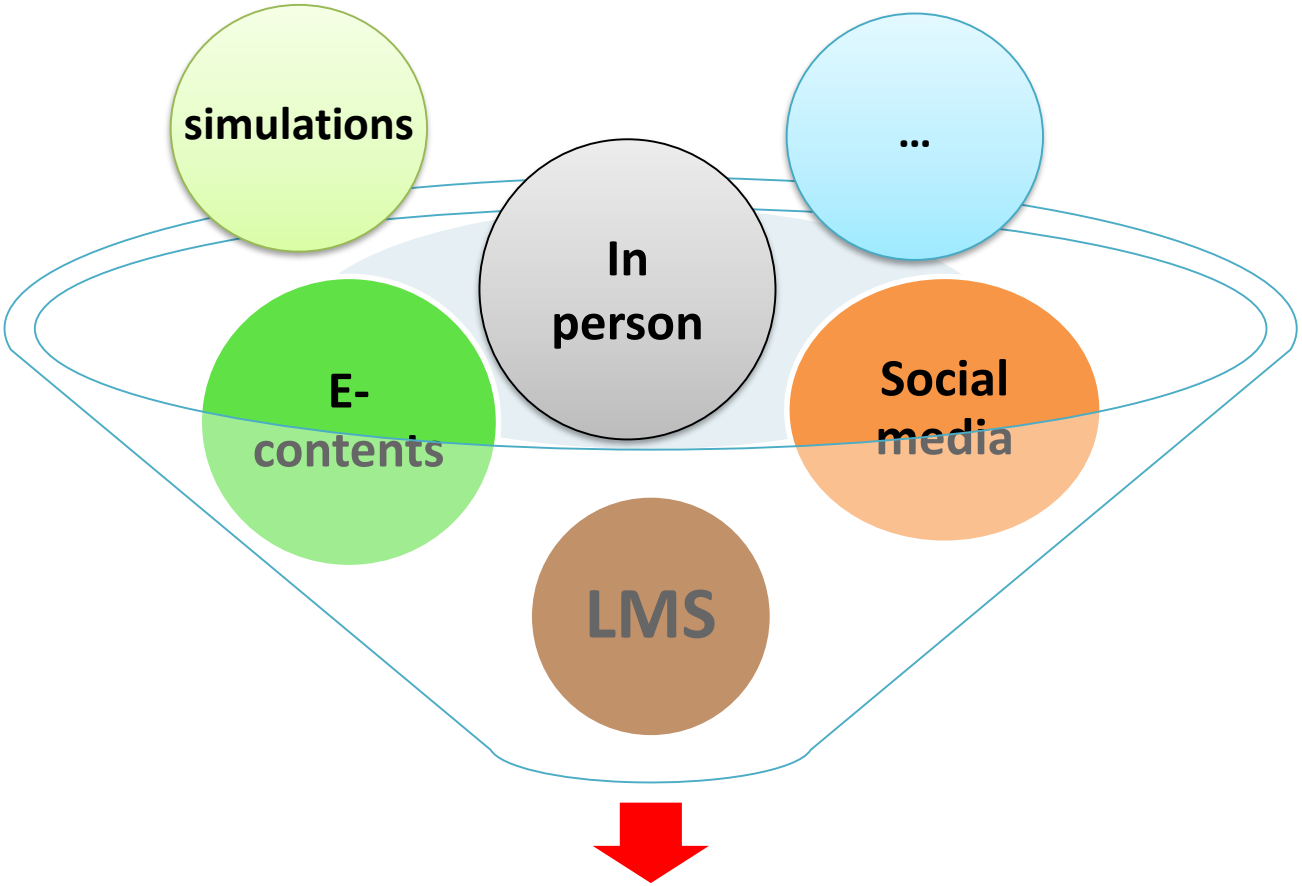
Clinical education in COVID-19 time

Training redesign

Minimum attendance in clinical settings



How to combine different teaching-learning strategies in COVID-19 time?



How to blend?

1. List tasks and must knows in clinical setting

2. Categorize them into three groups:
   - Should be trained in person
   - Better to be trained in person
   - Could be trained via e-learning strategies

How to blend?

3. Determine your tools and facilities
4. Select the blending model
5. Design the clinical education program, i.e.:
    - Determine the sequence and days of students presence
    - Think of blending e-learning part as well!
    - …

How to blend?

6. Ask students' opinion on the program
7. Think of students and program evaluation

Main objective:
Minimum physical presence for each level of students in clinical setting

Conclusion summary

A sample scenario

A sample scenario

- Target group: pre clerkship students
- Number in each rotation: 10
- Ward: internal medicine

Combination of enriched virtual and flipped model

Virtual part

- Providing the facility to participate in activities like morning reports online
- Case discussion in social media or forums
- E-content on “must knows”
- Collaborative virtual team works
- Some simulations, e.g virtual patient

In person part

- Each learner two days a week planned for must be in person activities

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Thank you for your attention.

Contact me at:
r_mojtahedzadeh@tums.ac.ir