



# Core Concepts in Interprofessional Education (IPE) Simulation

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CONGRESSO DE SIMULAÇÃO CLÍNICA





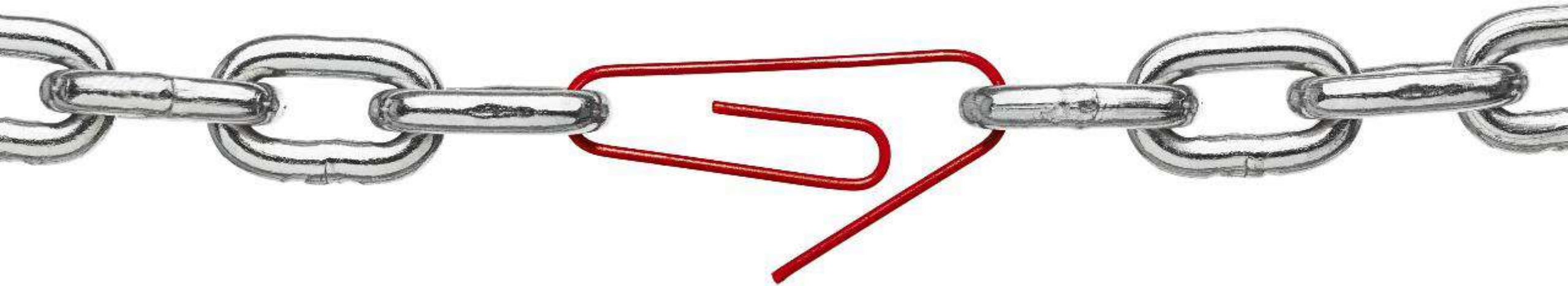
# Where are we Going?



- Define IPE
- Define Simulation
- Leveraging Simulation for Teaching IPE



**WISER**  
Education and Simulation  
Improving Healthcare



Healthcare is a Team Sport

# What is IPE?



# What is IPE?

“Interprofessional education occurs when two or more professionals learn about, from and with each other to enable effective collaboration and improve health outcomes.”

- World Health Organization

“The goal of IPE is for students to learn how to function in an interprofessional team and carry this knowledge, skill, and value into their future practice”



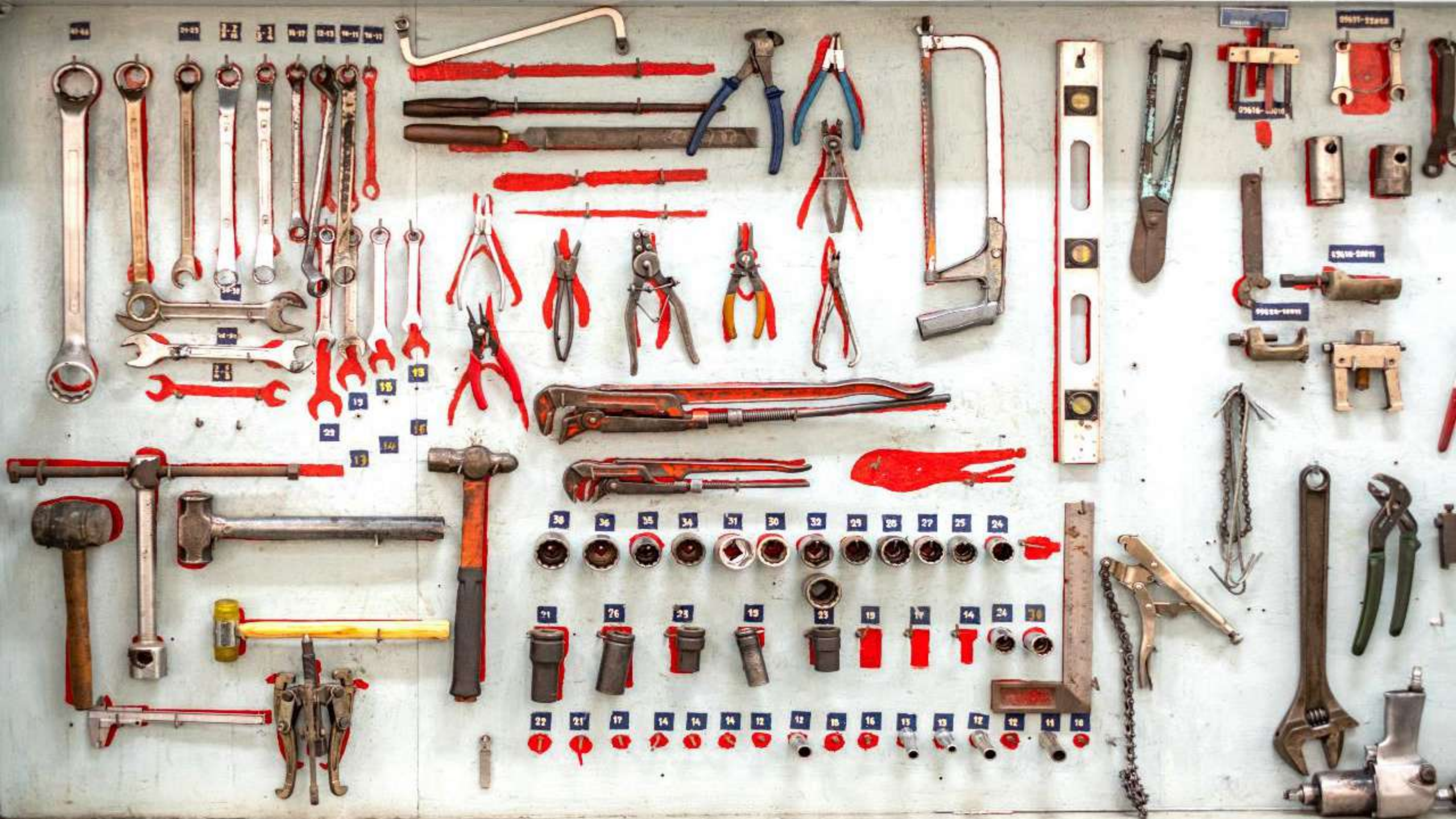




How do we teach IPE?







# IPE Best Practices

- Begin IPE early in the health professional program
- Experiences occur throughout the health professional program
- Include interaction among students and working in teams
- Include didactic, practical and clinical experiences



# IPE Core Competency Themes

1. Roles and responsibilities
2. Ethical practice
3. Conflict resolution
4. Communication
5. Collaboration and Teamwork

# Challenges

- Research in IPE and is limited
  - Teaching Strategies/Methods
  - Defining the element of IP
- Scheduling Complexities
- Dealing with larger numbers of participants in simulations
- Less prioritization of “soft-skills” in curriculums

*Are the outcome goals for team training simulations the same as for clinical care simulations?*





What is the difference between an IPE scenario and a standard scenario?

Video Demo Here

# Team versus individual simulation

- Individual targets

- Individual Competence
- Patient Assessment
- Clinical decision making
- Skill performance
- Management/Decisions

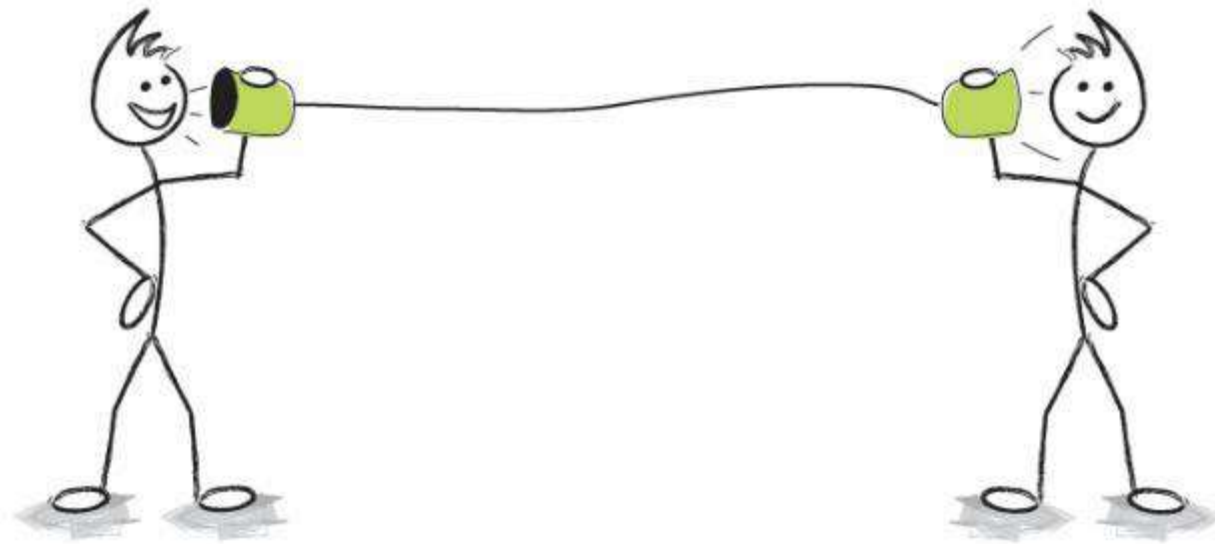
- Team-based targets

- Team structure
- Leadership
- Situation monitoring
- Mutual support
- Communication



# Simulation and IPE

- Create Simulations Purpose Built for IPE
- Avoid Old Simulations With Some IPE “Tossed In”
- Have Debriefing Focus on Communications and Teamwork
- Strong Facilitators to Prevent Drift of Foci





# ASSESSMENT GOALS

# Team Performance Observation Tool

*TeamSTEPPS*



## Team Performance Observation Tool

Date: \_\_\_\_\_  
 Unit: \_\_\_\_\_  
 Team: \_\_\_\_\_  
 Shift: \_\_\_\_\_

Rating Scale  
 (circle 1)  
 Please comment  
 if 1 or 2

1 = Very Poor  
 2 = Poor  
 3 = Acceptable  
 4 = Good  
 5 = Excellent

<b>1. Team Structure</b>	<b>Rating</b>
a. Assembles a team	
b. Establishes a leader	
c. Identifies team goals and vision	
d. Assigns roles and responsibilities	
e. Holds team members accountable	
f. Actively shares information among team members	
Comments:	
<b>Overall Rating – Team Structure</b>	
<b>2. Leadership</b>	<b>Rating</b>
a. Utilizes resources efficiently to maximize team performance	
b. Balances workload within the team	
c. Delegates tasks or assignments, as appropriate	
d. Conducts briefs, huddles, and debriefs	
e. Empowers team members to speak freely and ask questions	
Comments:	
<b>Overall Rating – Leadership</b>	
<b>3. Situation Monitoring</b>	<b>Rating</b>
a. Includes patient/family in communication	
b. Cross monitors fellow team members	
c. Applies the STEP process when monitoring the situation	
d. Fosters communication to ensure team members have a shared mental model	
Comments:	
<b>Overall Rating – Situation Monitoring</b>	
<b>4. Mutual Support</b>	<b>Rating</b>
a. Provides task-related support	
b. Provides timely and constructive feedback to team members	
c. Effectively advocates for the patient	
d. Uses the Two-Challenge rule, CUS, and DESC script to resolve conflict	



# IPE Simulation Scenarios

- Less focus on technical skills
- Less focus on medical management
- Greater focus on leadership, communication, situation monitoring, mutual support (task allocation)



# Potential outcomes

## Team Structure

- Assemble team
- Establish leader
- Identifies team goals and vision
- Assigns roles and responsibilities
- Hold team accountable
- Actively shares information

## Leadership

- Utilizes resources to maximize performance
- Balances workload within the team
- Delegates tasks or assignments, as appropriate
- Conducts briefs, huddles and debriefs
- Empowers team to speak freely and ask questions

## Situation Monitoring

- Includes patient/family in communication
- Cross monitors team members
- Applies the STEP process
- Fosters communication to ensure a shared mental model

## Mutual Support

- Provides task-related support
- Provides timely and constructive feedback
- Effectively advocates for the patient
- Uses the “two-challenge” rule, CUS, DESCscript to resolve conflict
- Collaborates with team

## Communication

- Coaching feedback routinely provided to team members when appropriate
- Provides brief, clear, specific, and timely information
- Seeks information from all available sources
- Verifies information that is communicated
- Uses SBAR, call-outs, check-backs, and handoff techniques

# IPE

- Teamwork Training Should be Implemented in Context
- Practice on Exact Policies / Procedures Roles and Goals
- Team Leadership Training
- Team Followership Training



# DESIGN CONSIDERATIONS

Fidelity  
Influences

Technological  
Influences

Cognitive  
Influences

Psychomotor  
Influences





# Design of IPE Simulations

- Define desired outcomes
- Determine assessment measures
- Determine appropriate technology and fidelity
- Develop scenario and supporting materials
- Test and modify (as needed)
- Implement



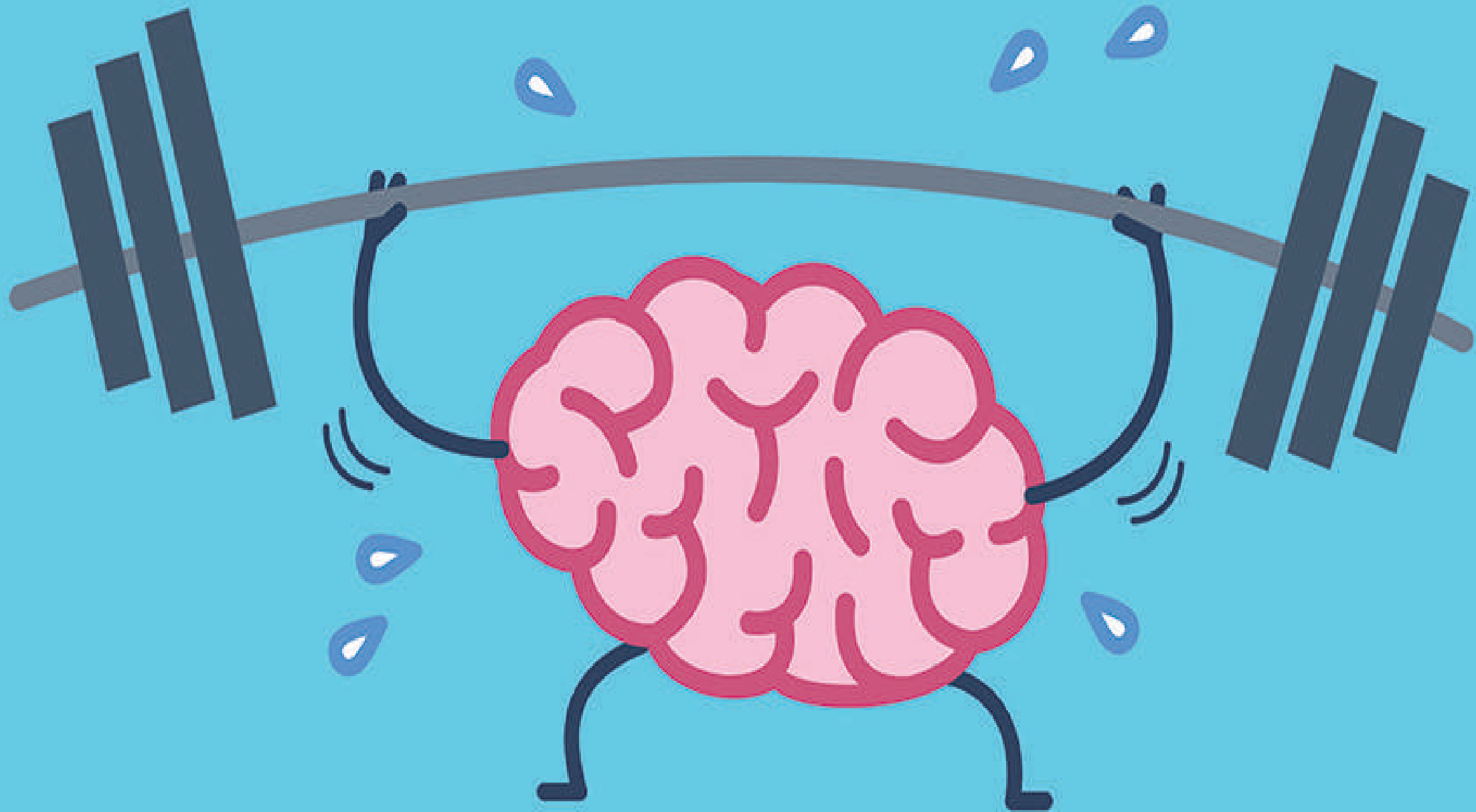
# Design of IPE Simulations

- Requirements
  - Scenario design
  - Time and labor intensive
  - Watch out for scenario overload
  - Good team simulations are not easy
- Team Simulations are NOT just case scenarios done by a team of people instead of one person







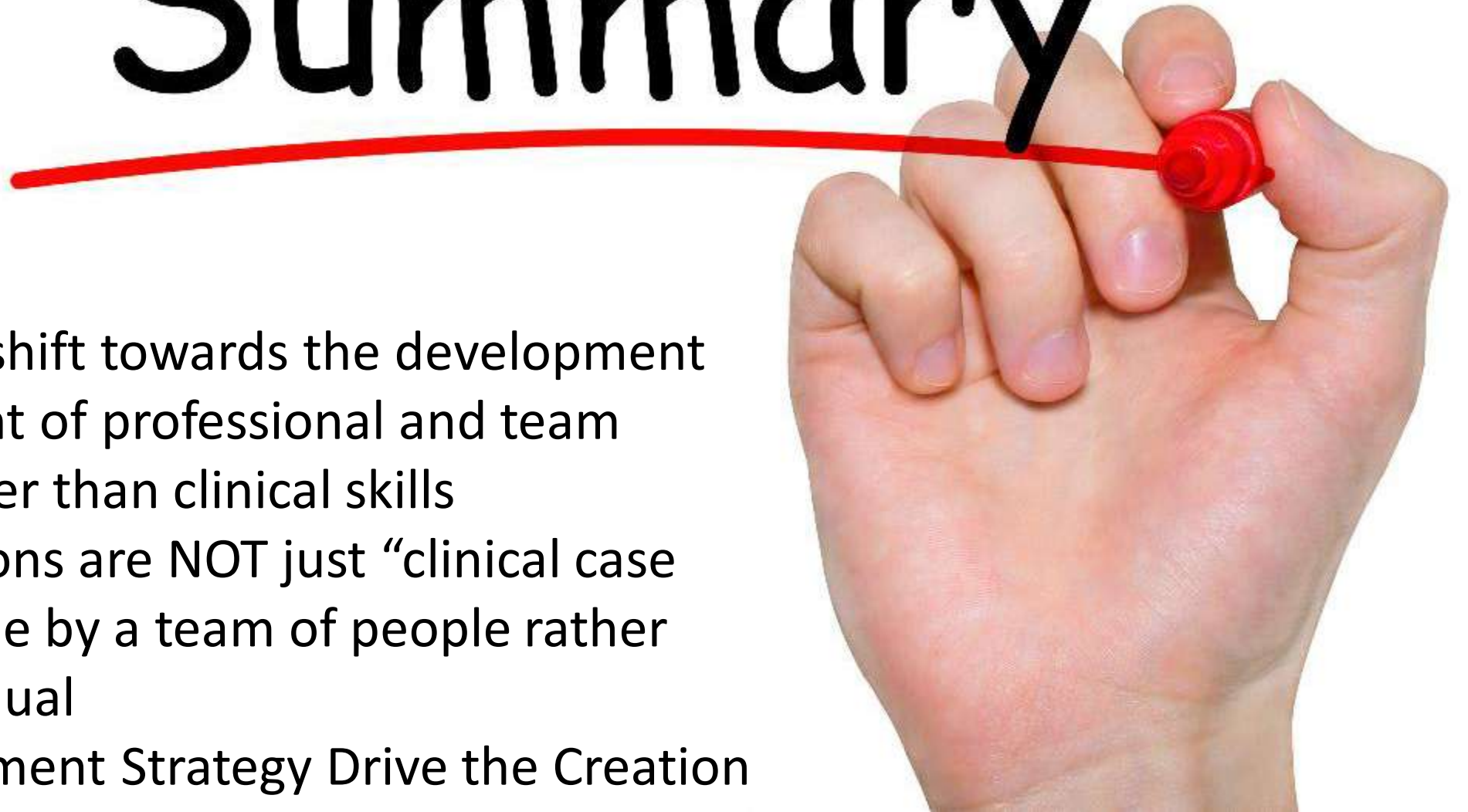




Important Debriefing Points/Skills for IPE

**Keep Focus on IPE Learning  
Objectives**

# Summary



- IPE outcomes shift towards the development and assessment of professional and team behaviors rather than clinical skills
- Team Simulations are NOT just “clinical case scenarios” done by a team of people rather than an individual
- Let the Assessment Strategy Drive the Creation

# Thank You and Please Keep in Touch!



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