



*TRANSDISCIPLINARY LEARNING IN HEALTHCARE EDUCATION*

*Nurse Assistant / Dietitian / Oral hygienist / Nurse*

**Duration:** 7 hours (Wednesday+Thursday)

**International teams**

# Oscar – Challenge

(student version)



## CHALLENGE

**Start date:** 20/11/2024  
**Finish date:** 21/11/2024

**Duration:** 3h 30 minutes (Wednesday)  
- 3h 30 minutes (Thursday)



## OBJECTIVES / LEARNING OUTCOMES

### TECHNICAL SKILLS

#### ANATOMY

- To understand physiological revalidation of the patient it is important to know the basics of anatomy of the lower leg (bones + muscles)

#### TECHNICAL NURSING INTERVENTIONS

- Good care and knowledge of aseptic techniques (wound care protocols) and mobility aids are important to stimulate wound healing
- Good knowledge of the use of anticoagulants and pain medications

#### PSYCHOLOGY

- As a healthcare professional it is important to have a basic knowledge about the psychological impact of illness and trauma on your daily life
- As a healthcare professional it is important to know how to organize transdisciplinary care

### SOFT SKILLS

#### INDIVIDUAL SKILLS

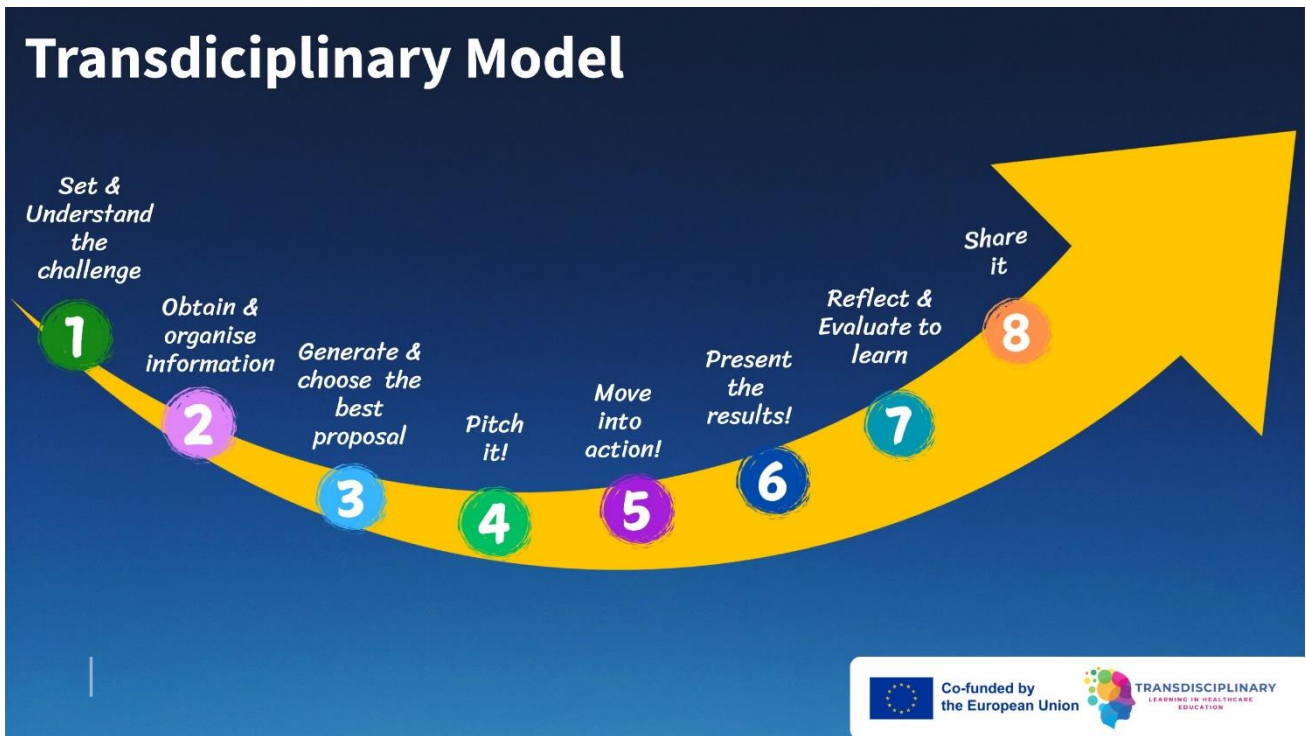
- Autonomy, involvement and problem solving skills

#### COMMUNICATION SKILLS

- Oral and written communication

#### COLLABORATIVE COMPETENCE

- Teamwork and leadership



**1. SET & UNDERSTAND THE CHALLENGE** (Wednesday)

**Expected duration: 90 minutes**

Oscar is a 19-year-old male student from Germany, studying and living in Hasselt, who was recently discharged from the hospital. He was admitted for an open tibia fracture and had an operation to repair the bone. Stubborn as he is, Oscar wants to stay in Belgium and continue his studies at PIVH. Because of his operation he needs help for almost every activity of his daily life including going to school.

We expect from you to help Oscar organise his revalidation and organizing his stay/studies in Belgium in a transdisciplinary way.

RESULTS	
<b>PRODUCT 1</b>	Make a list of all the problems Oscar can face in his daily life during his revalidation
<b>PRODUCT 2</b>	Find a solution for all the problems Oscar can face in his daily life during his revalidation
<b>PRODUCT 3</b>	Make a presentation that contains Oscar his problems and your transdisciplinary solution
<b>PRODUCT 4</b>	Make a short abstract about the technical AND the soft skills you learned about solving this challenge (integrate this in your presentation)



## 2. OBTAIN & ORGANISE INFORMATION (Wednesday)

Expected duration: 45 minutes

- Read the case-study carefully
- Ask the supervisors for additional information if necessary
- Look up things that are unclear to you or that you do not understand (you can use a computer, ipad, phone or every other information source you find appropriate)

## 3. GENERATE & CHOOSE THE BEST PROPOSAL (Wednesday)

Expected duration: 45 minutes

- Think individually about how you will solve the challenge and what resources you will need to do so
- Decide in your group which is the best option to solve the challenge (you can combine several options if the group thinks this is the best option)
- Think about your pitch!

## 4. PITCH IT! (Wednesday)

Expected duration: 2 minutes per group / 20 minutes in total

- Explain in the international group how your group is going to solve the challenge, ideas,...
- Listen to the ideas of the other groups

## 5. MOVE INTO ACTION! (Wednesday)

Expected duration: 100 minutes

- Make a list of all the problems Oscar can face
- Try to find a solution for these problems (think in a transdisciplinary way!)
- Make a presentation about your work and how you are going to help Oscar

## 6. PRESENT THE RESULTS (Thursday)

Expected duration: 15 minutes per group / 90 minutes in total

- Present your groupwork to the international group

## 7. REFLECT & EVALUATE TO LEARN (Thursday)

Expected duration: 10 minutes per group / 120 minutes in total

- Receive feedback on your work and answer possible questions
- Reflect on your work

## 8. SHARE IT (Thursday)

Expected duration: xxxx

PRODUCT RUBRIC				
	4	3	2	1
TECHNICAL SKILLS				
Understanding and Follow-up results (product 1-3)	Analysis is insightful, comprehensive, and demonstrates a deep understanding of patient perspectives and barriers to adherence	Analysis is accurate and informative, but may lack some depth or detail	Analysis is generally accurate but may contain minor errors or omissions	Analysis is incomplete or inaccurate, and does not adequately address the issue
Anatomy	Anatomy of the lower leg is well known on a professional level (use of medical terminology)	Anatomy of the lower leg is sufficient at patient level	Anatomy of the lower leg is known but contains minor errors or omissions	Knowledge of the anatomy of the lower leg is insufficient or missing from the presentation
Technical nursing interventions	Knowledge of wound care protocol and the use of anticoagulants/pain medication is sufficient and performed at professional level	Knowledge of wound care protocol and the use of anticoagulants/pain medication is sufficient, max 1 minor error is made	Knowledge of wound care protocol and the use of anticoagulants/pain medication is sufficient but contains multiple minor errors, guidance is necessary	Knowledge of wound care protocol and the use of anticoagulants/pain medication is insufficient, sterility errors are made or the above is missing from the presentation
Psychology	Knowledge of the psychological impact of trauma on the daily life and the transdisciplinary approach is consistently embedded through the presentation	Knowledge of the psychological impact of trauma on the daily life is sufficient and a transdisciplinary approach is used now and then	Minimal recognizing the psychological impact of trauma and a minimal transdisciplinary approach is used in the presentation	Minimal or not recognizing the psychological impact of trauma and not approaching the patient on a transdisciplinary way
SOFT SKILLS				
Individual skills	Demonstrates initiative, works independently, meets deadlines consistently, consistently contributes valuable ideas	Works independently most of the time and follows guidelines, participates in team activities and sometimes suggests ideas	Requires occasional guidance to complete tasks but not always fulfill commitments	Requires constant support and assistance, demonstrates poor attendance, time management or respect for materials
Collaborative competence	Effectively manages conflicts, contributes positively to the team, and fosters a positive atmosphere	Collaborates well with the team and contributes to a positive environment	Collaborates but may occasionally cause tension within the team	Does not collaborate and creates a negative team environment
Communication skills	Communicates clearly, confidently, and effectively, maintaining eye contact and adhering to time limits (oral and written)	Delivers clear and organized presentations but may have minor issues (oral and written)	Communicates basic ideas but struggles to express them clearly (oral and/or written)	Has difficulty communicating and disrespects others' opinions (oral and/or written)

## RESOURCES

Interesting links to solve the challenge:

- <https://www.desocialekaart.be/>
- <https://www.healthline.com/health/orif-surgery>
- <https://www.youtube.com/watch?v=30Wev9UqnfY&rco=1>
- <https://www.youtube.com/watch?v=Zqxi82oDyGA&t=661s> (first 11 minutes are the most important in this case study)
- <https://www.nationalelfservice.net/mental-health/ptsd/injury-physical-psychological-social-impact/>
- <https://www.mind.org.uk/information-support/types-of-mental-health-problems/trauma/effects-of-trauma/>

## TIMING

Wednesday 20/11/2024					Thursday 21/11/2024		
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Set & understand the challenge	Obtain & organise information	Generate & choose the best proposal	Pitch it!	Move into action!	Present the results!	Reflect & Evaluate to learn	Share it
Time per step							
60' challenge+arrow 30' dividing groups	45' Case study + questions + collect info	45'	2'/group 20' total time	100'	15'/group 5' change group = 20'/group = 120' total time	10'/group 5' change group = 15'/group = 90' total time	