



DISCIPLINE SHEET

1.-Info about the program

FOUNDATION FOR DEVELOPMENT AND MANAGEMENT	
1.2-Faculty	FACULTY OF MEDICINE
1.3-Departament	Clinical/ Specialization Discipline
1.4-Study domain	Health
1.5-Study cycle	Bachelor
1.6-Study program/ Calification	Medicine-English



2.-Info about discipline

2.1- Name of the discipline				MANAGEMENT NOTIONS IN BURN PATIENTS				
2.2-Course lecturer				Lect.Dr. CIOBANU Petru , MD, PhD -				
2.3-Seminary lecturer				Lect.Dr. CIOBANU Petru , MD, PhD				
2.4-Year of study	III	2.5 Semester	I	2.6 Evaluation type	Exam	2.7. Discipline regime	Content	DS
							Optional	DOP

3. -Total time (hours of didactic activity per semester)

3.1-Number of hours per week	4	3.2 -course	2	3.3- laboratory	2
3.4-Total hours of the curriculum	56	3.5 -course	28	3.6 -laboratory	28
Distribution of time					Hours
Study after manual, course support, bibliography and notes					2
Additional documentatin in the library, on the specialized electronic platforms and on the field					1
Training seminars/laboratories/projects, themes, papers,portofolios and essays					-
Tutoring					-
Examination					1
Other activities					-
3.7-Individual study hours	4				
3.8-Total hours per semester	60				
3.9-Credit number	2				

4.-Preconditions (if applicable)

4.1 Curriculum	Not the case
4.2. Learning Outcomes	Not the case

5.-Conditions (where applicable)

5.1.- of the course	-
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5.2 Seminar activities	Students should have a solid understanding of human anatomy and physiology, especially the integumentary system (skin) and its functions, in order to understand the impact of burns on the body.
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6. Learning outcomes

Knowledge	Understanding the Pathophysiology of Burns: to provide students with a deep understanding of the pathophysiological processes involved in burn injuries, including classification, depth assessment, local and systemic responses, and associated complications.
Skills	Tehnici avansate de îngrijire a arsurilor: pentru a implementa terapii moderne și inovatoare în îngrijirea arsurilor, inclusiv utilizarea tehnicilor avansate de îngrijire a rănilor, grefarea pielii, ingineria țesuturilor și tehnologii noi de vindecare a rănilor.
Responsibilities and autonomy	Integrarea terapiilor și tehnologiilor inovatoare: pentru a familiariza studenții cu terapiile emergente și cu progresele tehnologice în îngrijirea arsurilor, cum ar fi medicina regenerativă, ingineria țesuturilor și progresele în tehnicile de altoire, permițându-le să evalueze critic și să încorporeze aceste inovații în practică.

7.-Objectives of the discipline (resulting from the grid of specific skills accumulated)

7.1-General objective of the discipline	Comprehensive understanding of the pathophysiology of burns: To provide students with a deep understanding of the pathophysiological processes involved in burn injuries, including classification, depth assessment, local and systemic responses, and associated complications. Proficiency in Advanced Burn Care Techniques: To equip students with the knowledge and skills necessary to implement modern and innovative therapies in burn care, including the use of advanced wound care techniques, skin grafting, tissue engineering, and novel wound healing technologies.
7.2-Specific objectives	o—Use of advanced wound care techniques: to enable students to understand and apply advanced burn specific wound care techniques, including knowledge of different dressings, debridement methods, and the use of innovative



	<p>technologies (e.g., skin substitutes, negative pressure therapy) for optimal treatment. wound healing.</p> <p>o–Proficiency in Burn Management Protocols: To train students in the development and implementation of comprehensive burn management protocols, encompassing early assessment, initial stabilization, triage, and timely interventions to prevent complications and promote effective healing.</p> <p>o–Integrating innovative therapies and technologies: to familiarize students with emerging therapies and technological advances in burn care, such as regenerative medicine, tissue engineering, and advances in grafting techniques, enabling them to critically evaluate and incorporate these innovations into practice.</p>
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8.1-Course	Teaching methods	Hours /week	Observations
1. Pathophysiology of Burns: This course covers the pathophysiological processes involved in burn injuries, classification systems (depth, extent), and systemic responses associated with burns.	Powerpoint presentation lecture	2	- structured, interactive presentations
2. Classification of burns: This course covers the pathophysiological processes involved in burn injuries, classification systems (depth, extent), and systemic responses associated with burns.		2	
3. Advanced wound care techniques: focuses on various advanced burn wound care methods and technologies, including dressings, debridement,		2	
4. grafting techniques and innovative ways to heal wounds.		2	
5. Pain Management in Burn Care: Addresses Different Pain Management Strategies, Pharmacological and Non-Pharmacological Interventions		2	
6. Personalized approaches to effectively manage pain in burn patients		2	
7. Burn rehabilitation and functional restoration: focuses on rehabilitation		22	



strategies, physical therapy, occupational therapy			
8. interventions to improve the functionality and quality of life of burn survivors.		2	
9. Psychosocial aspects of burns: explore the psychological impact of burns on patients and families		2	
10. information on psychosocial support, coping mechanisms and mental health interventions.		2	
11. Emerging therapies in burn management: cover the latest advances in burn care,		2	
12. regenerative medicine, tissue engineering, and new therapies, allowing students to stay up-to-date with cutting-edge treatments.		2	
13. Interdisciplinary collaboration in burn care: focuses on effective communication,		2	
14. teamwork and collaboration within multidisciplinary teams involved in burn care, emphasizing the importance of coordinated patient-centered care.		2	
Mandatory bibliography			
<ol style="list-style-type: none"> 1. "Total Burn Care" by David N. Herndon (Publisher: Saunders, Year: Latest Edition) 2. "Advanced Wound Repair Therapies" edited by John L. Wallace and Jonathan Crowston (Publisher: Springer, Year: Latest Edition) 3. "Burns: Prevention, Causes and Treatment" edited by Joav Merrick (Publisher: Nova Science Pub Inc, Year: Latest Edition) 4. "Wound Care Essentials: Practice Principles" by Sharon Baranoski and Elizabeth A. Ayello (Publisher: Lippincott Williams & Wilkins, Year: Latest Edition) 5. "Acute and Chronic Wounds: Current Management Concepts" by Ruth A. Bryant and Denise P. Nix (Publisher: Mosby, Year: Latest Edition) 			
Optional bibliography			
<ol style="list-style-type: none"> 1. "Rehabilitation of the Burn Patient" by David N. Herndon (Publisher: Saunders, Year: Latest Edition) 2. "A Practice of Anesthesia for Infants and Children" edited by Charles J. Cote, Jerrold Lerman, and Brian J. Anderson (Publisher: Elsevier, Year: Latest Edition) 3. "Pharmacology and Physiology for Anesthesia: Foundations and Clinical Application" by Hugh C. Hemmings and Talmage D. Egan (Publisher: Elsevier, Year: Latest Edition) 4. "Essentials of Pain Medicine" edited by Honorio T. Benzon, Srinivasa N. Raja, Scott M. Fishman, Spencer S. Liu, and Steven P. Cohen (Publisher: Elsevier, Year: Latest Edition) 5. "Management of Pain: A Practical Approach for Health Care Professionals" by Pamela H. Macintyre and David B. Menkes (Publisher: CRC Press, Year: Latest Edition) 			



8.2-SEMINARY	Teaching methods	Hours /week	Observations
1. Pathophysiology of Burns: This course covers the pathophysiological processes involved in burn injuries, classification systems (depth, extent), and systemic responses associated with burns.	Powerpoint presentation lecture	2	- structured, interactive presentations
2. Classification of burns: This course covers the pathophysiological processes involved in burn injuries, classification systems (depth, extent), and systemic responses associated with burns.		2	
3. Advanced wound care techniques: focuses on various advanced burn wound care methods and technologies, including dressings, debridement,		2	
4. grafting techniques and innovative ways to heal wounds.		2	
5. Pain Management in Burn Care: Addresses Different Pain Management Strategies, Pharmacological and Non-Pharmacological Interventions		2	
6. Personalized approaches to effectively manage pain in burn patients		2	
7. Burn rehabilitation and functional restoration: focuses on rehabilitation strategies, physical therapy, occupational therapy		2	
8. interventions to improve the functionality and quality of life of burn survivors.		2	
9. Psychosocial aspects of burns: explore the psychological impact of burns on patients and families		2	
10. information on psychosocial support, coping mechanisms and mental health interventions.		2	
11. Emerging therapies in burn management: cover the latest advances in burn care,		2	
12. regenerative medicine, tissue engineering, and new therapies, allowing students to stay up-to-date with cutting-edge treatments.		2	



13. Interdisciplinary collaboration in burn care: focuses on effective communication,		2	
14. teamwork and collaboration within multidisciplinary teams involved in burn care, emphasizing the importance of coordinated patient-centered care.		2	
Mandatory bibliography			
1. "Total Burn Care" by David N. Herndon (Publisher: Saunders, Year: Latest Edition)			

9. Corroborating/validating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and employers representative of the field related to the program

The contents of the discipline are in accordance with the RNCIS standards.

10. Evaluation

Activity Type	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Weight of the final grade
10.4-Course	–	–	
10.5 -Seminary	–	Final assessment: 50-question grid test	100%
10.6-Minimum Performance Standard			
Obtaining a grade of 5 in the practical test and in the written test			

Date:	Signature of the discipline coordinator:	Holder of the seminar activities:
28.04.2025	Lect.Dr. CIOBANU Petru , MD, PhD 	Lect.Dr. CIOBANU Petru , MD, PhD
Date of approval in the Department		
Signature of the Director of Department		

Reprezentant legal F.D.M.
Presedinte
Prof. Univ. Dr. POSTĂVARU Nicolae