



Şcoala Doctorală Interdisciplinară  
(SDI)

Domeniul de doctorat:

MEDICINĂ

Conducător doctorat:

Prof.univ. dr. Diana Țiņț

## TEME (TEMATICĂ) PENTRU CONCURS

### TEMA 1: Rolul vitaminei D în vindecarea plăgilor post chirurgie cardiacă

#### Conținut / Principalele aspecte abordate

Cuantificarea deficitului de vitamină D la pacienții operați pe cord,

Evaluarea necesarului de vitamină D

Evaluarea cicatrizării plăgii toracice prin studii de imunohistochimie

Cuantficarea aportului vitaminei D la cicatrizarea plăgii

#### Bibliografie recomandată:

1. Holick MF. The vitamin D deficiency pandemic: Approaches for diagnosis, treatment and prevention. *Rev Endocr Metab Disord.* 2017;18(2):153-165.
2. Wang PH, Huang BS, Horng HC, Yeh CC, Chen YJ. Wound healing. *J Chin Med Assoc.* 2018;81(2):94-101.
3. Ridiandries A, Tan JTM, Bursill CA. The Role of Chemokines in Wound Healing. *Int J Mol Sci.* 2018;19(10):3217.
4. Oda Y, Tu CL, Menendez A, Nguyen T, Bikle DD. Vitamin D and calcium regulation of epidermal wound healing. *J Steroid Biochem Mol Biol.* 2016;164:379-385.
5. Elizondo RA, Yin Z, Lu X, Watsky MA. Effect of vitamin D receptor knockout on cornea epithelium wound healing and tight junctions. *Invest Ophthalmol Vis Sci.* 2014;55(8):5245-5251.
6. Oda Y, Hu L, Nguyen T, et al. Vitamin D Receptor Is Required for Proliferation, Migration, and Differentiation of Epidermal Stem Cells and Progeny during Cutaneous Wound Repair. *J Invest Dermatol.* 2018;138(11):2423-2431.
7. Wang PH, Huang BS, Horng HC, Yeh CC, Chen YJ. Wound healing. *J Chin Med Assoc.* 2018;81(2):94-101.
8. Wang PH, Huang BS, Horng HC, Yeh CC, Chen YJ. Wound healing. *J Chin Med Assoc.* 2018;81(2):94-101.
9. Sorg H, Tilkorn DJ, Hager S, Hauser J, Mirastschijski U. Skin Wound Healing: An Update on the Current Knowledge and Concepts. *Eur Surg Res.* 2017;58(1-2):81-94.
10. Kasuya A, Tokura Y. Attempts to accelerate wound healing. *J Dermatol Sci.* 2014;76(3):169-172.

Note /Precondiții / Obs: -

**TEMA 2:** *titlu prezumtiv*

**Conținut / Principalele aspecte abordate** - *se va adapta /completa/ elimina, după caz*

**Bibliografie recomandată:**

1. XXXX

**Conducător doctorat:**

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Transilvania  
University  
of Brasov

## ADMISSION TO DOCTORAL STUDIES

2020-2021

Session September 2020

Interdisciplinary Doctoral School  
(SDI)

Field of doctoral studies:

xxx

PhD supervisor:

yyy

### TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

#### TOPIC 1: The role of vitamin D in wound healing post cardiac surgery

##### Content / Main aspects to be considered

Cuantification of vitamin D deficiency in heart-operated patients,  
Assessment of vitamin D requirement  
Assessment of thoracic wound scarring by immunohistochemistry studies  
Cuantification of vitamin D intake in wound scarring

##### Recommended bibliography:

11. xxx

Prerequisites / Remarks: -

#### TOPIC 2: *titlu prezumtiv în limba engleză (altă limbă de circulație internațională, după caz)*

**Content / Main aspects to be considered** - în engleză (limba străină) -*se va adapta /completa/elimina, după caz*

##### Recommended bibliography:

1. Holick MF. The vitamin D deficiency pandemic: Approaches for diagnosis, treatment and prevention. *Rev Endocr Metab Disord.* 2017;18(2):153-165.
2. Wang PH, Huang BS, Horng HC, Yeh CC, Chen YJ. Wound healing. *J Chin Med Assoc.* 2018;81(2):94-101.
3. Ridiandries A, Tan JTM,
4. Oda Y, Tu CL, Menendez A, Nguyen T, Bikle DD. Vitamin D and calcium regulation of epidermal wound healing. *J Steroid Biochem Mol Biol.* 2016;164:379-385. CA. The Role of Chemokines in Wound Healing. *Int J Mol Sci.* 2018;19(10):3217.
5. Elizondo RA, Yin Z, Lu X, Watsky MA. Effect of vitamin D receptor knockout on cornea epithelium wound healing and tight junctions. *Invest Ophthalmol Vis Sci.* 2014;55(8):5245-5251.
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7. Sorg H, Tilkorn DJ, Hager S, Hauser J, Mirastschijski U. Skin Wound Healing: An Update on the Current Knowledge and Concepts. *Eur Surg Res.* 2017;58(1-2):81-94.
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**Prerequisites / Remarks:** *se va adapta /completa/elimina, după caz*

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