

Fișa de verificare a îndeplinirii standardelor minimale
(valabilă pentru obținerea atestatului de abilitare în Domeniul Medicină dentară)
(în conformitate cu O.M. 6129/20.12.2016)

Candidat: Conf. Dr. Rotar Alexandru Horațiu

Nr. Crt.	Activitatea	Tipul activităților	Standarde minimale abilitare	Note asupra metodei de calcul	Gradul de îndeplinire
0	1	2	3	4	5
1.	Cercetare	a. Articole <i>in extenso</i> în reviste cotate ISI Thomson Reuters (<i>articole în reviste cu factor de impact</i>) în calitate de autor principal	<p>minim 8 articole</p> <p>1. Khang DGH, Kang YJ, Oh JH, Kim SG, Park YW, JoYY, Kweon HY, Rotaru H. The effect of sericin on bone regeneration in streptozotocin-induced type I diabetes animal model. Applied Sciences, 2021, 11, 1369, doi:10.3390/app11041369 IF=2.474, Q2 Ultim autor <u>The effect of sericin on bone regeneration in streptozotocin-induced type I diabetes animal model - Applied Sciences</u> – link revista</p> <p><u>The effect of sericin on bone regeneration in streptozotocin-induced type I diabetes animal model. Applied Sciences</u> – link Clarivate</p> <p>2. Talmaceanu D, Lenghel LM, Bolog N, Buduru S, Leucuta D, Rotar H. High-resolution ultrasound imaging compared to magnetic resonance imaging for temporomandibular joint disorders: An in vivo study. Eur J Radiol. 2020 Nov;132:109291. doi: 10.1016/j.ejrad.2020.109291. Epub 2020 Sep 17. PMID:32980724. IF=2.687, Q2 Ultim autor <u>High-resolution ultrasound imaging compared to magnetic resonance imaging for temporomandibular joint disorders: An in vivo study - Eur J Radiol.</u> – link revista</p> <p><u>High-resolution ultrasound imaging compared to magnetic resonance imaging for temporomandibular joint disorders: An in vivo study. Eur J Radiol.</u> – link Clarivate</p>	In domeniul postului pentru care candidează, respectiv în reviste medico-dentare sau medicale cu factor de impact minim de 0,3, în calitate de autor principal, publicate de la ultima promovare sau, pentru cei care nu provin din învățământul superior, în ultimii 5 ani.	Criteriu indeplinit- 8 ISI-uri

3. Kang YJ, Jo YY, Kweon HY, Chae WS, Yang WG, Garagiola U, Kim SG, **Rotaru H.** Comparison of the Physical Properties and in vivo Bioactivities of Flatwise-Spun Silk Mats and Cocoon-Derived Silk Mats for Guided Bone Regeneration. *Macromolecular Research*, 2019, doi: 10.1007/s13233-020-8026-z IF= 2.047, Q2

Ultim autor

Comparison of the Physical Properties and in vivo Bioactivities of Flatwise-Spun Silk Mats and Cocoon-Derived Silk Mats for Guided Bone Regeneration - Macromolecular Research – link revista

Comparison of the Physical Properties and in vivo Bioactivities of Flatwise-Spun Silk Mats and Cocoon-Derived Silk Mats for Guided Bone Regeneration. Macromolecular Research – link Clarivate

4. Talmaceanu D, Lenghel LM, Bolog N, Popa Stanila R, Buduru S, Leucuta DC, **Rotar H,** Baciut M, Baciut G. High-resolution ultrasonography in assessing temporomandibular joint disc position. *Med Ultrason.* 2018 Feb 4;1(1):64-70. doi: 10.11152/mu-1025. PMID: 29400370. IF= 1.674, Q3

Autor corespondent

High-resolution ultrasonography in assessing temporomandibular joint disc position - Medical Ultrasonography–link revista

High-resolution ultrasonography in assessing temporomandibular joint disc position. Med Ultrason. – link Clarivate

5. Lee SW, Kim HG, Ham MJ, Hong DGK, Kim SG, **Rotaru H.** Custom Implant for Reconstruction of Mandibular Continuity Defect. *J Oral Maxillofac Surg.* 2018 Jun;76(6):1370-1376. doi: 10.1016/j.joms.2017.12.003. Epub 2017 Dec 13. PMID: 29294354. IF= 1.779, Q2

Ultim autor

Custom Implant for Reconstruction of Mandibular Continuity Defect – Journal of Oral and Maxillofacial Surgery – link revista

Custom Implant for Reconstruction of Mandibular Continuity Defect. J Oral Maxillofac Surg. – link Clarivate

6. Jo YY, Kweon H, Kim DW, Baek K, Kim MK, Kim SG, Chae WS, Choi JY, **Rotaru H**. Bone regeneration is associated with the concentration of tumour necrosis factor- α induced by sericin released from a silk mat. Sci Rep. 2017 Nov 14;7(1):15589. doi: 10.1038/s41598-017-15687-w. PMID: 29138464; PMCID: PMC5686134. **IF= 4.122, Q1**

Ultim autor

Bone regeneration is associated with the concentration of tumour necrosis factor- α induced by sericin released from a silk mat. Science Reports– link revista

Bone regeneration is associated with the concentration of tumour necrosis factor- α induced by sericin released from a silk mat. Sci Rep. – link Clarivate

7. Lazar MA, **Rotaru H**, Bâldea I, Boşca AB, Berce CP, Prejmorean C, Prodan D, Câmpian RS. Evaluation of the Biocompatibility of New Fiber-Reinforced Composite Materials for Craniofacial Bone Reconstruction. J Craniofac Surg. 2016 Oct;27(7):1694-1699. doi: 10.1097/SCS.0000000000002925. PMID: 27763970. **IF = 0.788, Q4**

Autor corespondent

Evaluation of the Biocompatibility of New Fiber-Reinforced Composite Materials for Craniofacial Bone Reconstruction – Journal of Craniofacial Surgery– link revista

Evaluation of the Biocompatibility of New Fiber-Reinforced Composite Materials for Craniofacial Bone Reconstruction. J Craniofac Surg. – link Clarivate

8. **Rotaru H**, Kim MK, Kim SG, Park YW. Pedicled buccal fat pad flap as a reliable surgical strategy for the treatment of medication-related osteonecrosis of the jaw. J Oral Maxillofac Surg. 2015 Mar;73(3):437-42. doi: 10.1016/j.joms.2014.09.023. Epub 2014 Oct 13. PMID: 25544302. **IF= 1.631, Q2**

Prim autor

Pedicled buccal fat pad flap as a reliable surgical strategy for the treatment of medication-related osteonecrosis of the jaw - Journal of Oral and Maxillofacial Surgery– link revista

	<p><u>Pedicated buccal fat pad flap as a reliable surgical strategy for the treatment of medication-related osteonecrosis of the jaw.</u> J Oral Maxillofac Surg. – link Clarivate</p>		
<p>b. Articole publicate în reviste citate în baze de date internaționale (BDI) <i>in extenso</i> în calitate de autor principal</p>	<p>minim 20 articole</p> <p>1-2-3. Ostas D, Hedesiu M, Roman CR, Cosma C, Ciurea M, Rotaru H. Design Workflow for Mandibular Reconstruction. Opportunities and Limitation of In-House Virtual Surgical Planning. J. Med. Biol. Eng. 2021 Aug 41;4:482-493. DOI: 10.1007/s40846-021-00633-z. IF=1,55, Q4 Ultim autor <u>Design Workflow for Mandibular Reconstruction. Opportunities and Limitation of In-House Virtual Surgical Planning.</u> J. Med. Biol. Eng. – link revista</p> <p><u>Design Workflow for Mandibular Reconstruction. Opportunities and Limitation of In-House Virtual Surgical Planning.</u> J. Med. Biol. Eng. – link Clarivate</p> <p>4-5-6. Muntean D, Ducea S, Lenghel M, Solomon C, Iuga T, Rotar H. Mucosa-Associated Lymphoid Tissue Lymphoma of the Parotid Gland – A Case Report. Medical Ultrasonography 2021;23;3:364-366. DOI: 10.11152/mu-2957. PMID: 33945592. IF=1,61, Q4 Ultim autor <u>Mucosa-Associated Lymphoid Tissue Lymphoma of the Parotid Gland – A Case Report.</u> Medical Ultrasonography– link revista</p> <p><u>Mucosa-Associated Lymphoid Tissue Lymphoma of the Parotid Gland – A Case Report.</u> Medical Ultrasonography – link Clarivate</p> <p>7. Faur CI, Rotaru H, Osan C, Jurj A, Roman RC, Moldovan M, Chirila M, Hedesiu M. Salivary Exosomal microRNA as Biomarkers for Head and Neck Cancer Detection-A Literature Review. Maxillofac. Plast Recon. Surg. 2021, 43;1:19. DOI: 10.1186/s40902-021-00303-9. PMID: 34191144 Autor correspondent <u>Salivary Exosomal microRNA as Biomarkers for Head and Neck Cancer Detection-A Literature Review.</u></p>	<p>In domeniul postului pentru care candidează, respectiv în reviste medico-dentare sau medicale, publicate de la ultima promovare, sau, pentru cei care nu provin din învățământul superior, în ultimii 5 ani.</p> <p>- Se pot echivala articolele ISI, altele decât cele 8 menționate anterior, astfel: 1 articol ISI = 3 articole în revistele medicodentare sau medicale indexate BDI, dar nu și invers!</p>	<p>Criteriu indeplinit - 26 BDI-uri după echivalarea articolelor ISI ce depasesc numărul minim cerut</p>

Maxillofac. Plast Recon. Surg. – link revista

Salivary Exosomal microRNA as Biomarkers for Head and Neck Cancer Detection-A Literature Review.
Maxillofac. Plast Recon. Surg. – link Clarivate

8. Ciurea M, Roman R, Moldovan MA, Ostas D, Termure D, **Rotaru H.** A Rare Cervical Mass Associated with Preoperative Horner's Syndrome. Acta Medica Mediterranea. 2021; 37;2; 1173-1176. DOI: 10.19193/0393-6384_2021_2_179. PMID: **IF=0,21; Q4**
Ultim autor

A Rare Cervical Mass Associated with Preoperative Horner's Syndrome. Acta Medica Mediterranea. - link revista

A Rare Cervical Mass Associated with Preoperative Horner's Syndrome. Acta Medica Mediterranea. – link Clarivate

9. Moldovan MA, **Rotaru H,** Roman CR. Giant follicular cyst with maxillary sinus and pterygomaxillary space extension. Ann Ital Chir. 2020 Jun 24;9:S2239253X20032983. PMID: 32588835. **IF=1.517, Q4**
Autor corespondent

Giant follicular cyst with maxillary sinus and pterygomaxillary space extension - Ann Ital Chir. – link revista

Giant follicular cyst with maxillary sinus and pterygomaxillary space extension. Ann Ital Chir. 2020. – link PubMed

10. Rotaru A, **Rotaru H.** Prof. Dr. Gheorghe Bilaşcu. Pro patria. Med Pharm Rep. 2019 Jul;92(3):311-315. doi: 10.15386/mpr-1220. Epub 2019 Jul 31. PMID: 31460517; PMCID: PMC6709970.

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Prof. Dr. Gheorghe Bilaşcu. Pro patria. Med Pharm Rep. – link revista

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- 11-12-13. Lazar MA, Muresan O, Roman CR, Dima D, Muresan MS, Armencea G, Tomuleasa C, **Rotaru H.** Oral surgery for combined haemophilia A

			<p>and B. The dos and don'ts presented in a clinical scenario. <u>Ann Ital Chir.</u> 2018;89:374-378. PMID: 30569902. IF= 0.793, Q4</p> <p>Ultim autor <u>Oral surgery for combined haemophilia A and B. The dos and don'ts presented in a clinical scenario - Ann Ital Chir.</u> – link revista</p> <p><u>Oral surgery for combined haemophilia A and B. The dos and don'ts presented in a clinical scenario. Ann Ital Chir.</u> - link Clarivate</p> <p>14. Rotaru A, Barsu C, Rotaru H. Gheorghe Bârlea MD, PhD, pupil and collaborator of Professor Bilaşcu. <u>Clujul Med.</u> 2018 Jul;91(3):357-360. doi: 10.15386/cjmed-1068. Epub 2018 Jul 31. PMID: 30093818; PMCID: PMC6082618.</p> <p>Ultim autor <u>Gheorghe Bârlea MD, PhD, pupil and collaborator of Professor Bilaşcu - Clujul Medical</u> – link revista</p> <p><u>Gheorghe Bârlea MD, PhD, pupil and collaborator of Professor Bilaşcu. Clujul Med. 2018</u> – link PubMed</p> <p>15. Frăţilă D, Rotaru H. Additive manufacturing – a sustainable route. <u>MATEC Web of Conferences, 2017, 94,</u> 1-13. doi: 10.1051/mateconf/20179403004.</p> <p>Ultim autor <u>Additive manufacturing – a sustainable route. MATEC Web of Conferences</u> - – link revista</p> <p><u>Additive manufacturing – a sustainable route. MATEC Web of Conferences</u> – link Clarivate</p> <p>16. Rotaru A, Rotaru H. Biography of Professor Cornel Tiberiu Opreş. Professional maturity. <u>Clujul Med.</u> 2017;90(2):235-240. doi: 10.15386/cjmed-770. Epub 2017 Apr 25. PMID: 28559711; PMCID: PMC5433579.</p> <p>Ultim autor <u>Biography of Professor Cornel Tiberiu Opreş. Professional maturity. Clujul Med.</u> – link revista</p>		
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Biography of Professor Cornel Tiberiu Opriș. Professional maturity. Clujul Med. – link PubMed

17. Lazar MA, **Rotaru H**, Prodan D, Armencea G, Bere P, Roman CR, Câmpian RS. Evaluation of the Morphology and Structure of E Glass Fiber-Reinforced Composites for Cranio-Facial Bone Reconstruction. Studia UBB Chemia, 2016, LXI, 2, 249-260. **IF. 0,244**

Autor corespondent

Evaluation of the Morphology and Structure of E Glass Fiber-Reinforced Composites for Cranio-Facial Bone Reconstruction - Studia UBB Chemia– link revista

Evaluation of the Morphology and Structure of E Glass Fiber-Reinforced Composites for Cranio-Facial Bone Reconstruction. Studia UBB Chemia, 2016 – link Clarivate

18. Rotaru A, Petrovai I, **Rotaru H**. Professor Gheorghe Bilașcu's contribution to the development of science and culture in Romania. Clujul Med. 2016;89(3):443-7. doi: 10.15386/cjmed-664. Epub 2016 Jul 28. PMID: 27547068; PMCID: PMC4990444.

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Professor Gheorghe Bilașcu's contribution to the development of science and culture in Romania - Clujul Medical– link revista

Professor Gheorghe Bilașcu's contribution to the development of science and culture in Romania. Clujul Med. – link PubMed

19. Lazar MA, Vodnar D, Prodan D, **Rotaru H**, Roman CR, Sorcoi LA, Baciut G, Campian RS. Antibacterial coating on biocomposites for cranio-facial reconstruction. Clujul Med. 2016;89(3):430-4. doi: 10.15386/cjmed-599. Epub 2016 Jul 28. PMID: 27547065; PMCID: PMC4990441.

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Antibacterial coating on biocomposites for cranio-facial reconstruction - Clujul Medical– link revista

Antibacterial coating on biocomposites for cranio-facial reconstruction. Clujul Med – link PubMed

20. Rotaru A, Rotaru H. The spirit of professor Iacob Iacobovici in the development of education in dentistry and maxillofacial surgery. Clujul Med. 2015;88(4):571-4. doi: 10.15386/cjmed-550. Epub 2015 Nov 15. PMID: 26733759; PMCID: PMC4689255.

Ultim autor

The spirit of professor Iacob Iacobovici in the development of education in dentistry and maxillofacial surgery - Clujul Medical – link revista

The spirit of professor Iacob Iacobovici in the development of education in dentistry and maxillofacial surgery. Clujul Med. – link PubMed

21. Rotaru H, Schumacher R, Kim SG, Dinu C. Selective laser melted titanium implants: a new technique for the reconstruction of extensive zygomatic complex defects. Maxillofac Plast Reconstr Surg. 2015 Jan 29;37(1):1. doi: 10.1186/s40902-015-0001-9. PMID: 25654072; PMCID: PMC4309900.

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Selective laser melted titanium implants: a new technique for the reconstruction of extensive zygomatic complex defects - Maxillofacial Plastic and Reconstructive Surgery – link revista

Selective laser melted titanium implants: a new technique for the reconstruction of extensive zygomatic complex defects. Maxillofac Plast Reconstr Surg. – link PubMed

- 22-23-24. Rotaru H, Armencea G, Spîrchez D, Berce C, Marcu T, Leordean D, Kim SG, Lee SW, Dinu C, Băciuț G, Băciuț M. In vivo behavior of surface modified Ti6Al7Nb alloys used in selective laser melting for custom-made implants. A preliminary study. Rom J Morphol Embryol. 2013;54(3 Suppl):791-6. PMID: 24322029. IF= 0.723, Q4

Prim autor

			<p><u>In vivo behavior of surface modified Ti6Al7Nb alloys used in selective laser melting for custom-made implants. A preliminary study - Rom J Morphol Embryol. – link revista</u></p> <p><u>In vivo behavior of surface modified Ti6Al7Nb alloys used in selective laser melting for custom-made implants. A preliminary study. Rom J Morphol Embryol. – link Clarivate</u></p> <p>25-26-27. Lee SW, Kim SG, Park YW, Kweon H, Kim JY, Rotaru H. Cisplatin and 4-hexylresorcinol synergise to decrease metastasis and increase survival rate in an oral mucosal melanoma xenograft model: a preliminary study. Tumour Biol. 2013 Jun;34(3):1595-603. doi: 10.1007/s13277-013-0690-6. Epub 2013 Feb 15. PMID: 23412976. IF= 2.840, Q2</p> <p>Ultim autor <u>Cisplatin and 4-hexylresorcinol synergise to decrease metastasis and increase survival rate in an oral mucosal melanoma xenograft model: a preliminary study - Tumour Biology–link revista</u></p> <p><u>Cisplatin and 4-hexylresorcinol synergise to decrease metastasis and increase survival rate in an oral mucosal melanoma xenograft model: a preliminary study. Tumour Biol. – link Clarivate</u></p>		
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Cluj – Napoca,
20.09.2021

Semnătura

