



Oana-Elena Burlacu -Vătămanu

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

Student doctorand

Univesitatea de Medicină și Farmacie "Carol Davila" București [01/10/2022 – În curs]

Localitatea: București | Țara: România | Site de internet: www.umfcd.ro

Bune practici clinice (CGP)

Rețeaua de Trialuri Clinice NIDA [01/11/2024 – 30/11/2024]

Bursă de cercetare în medicină dentară

KU Leuven-OMFS-IMPAH Group [01/03/2024 – 31/08/2024]

Localitatea: Leuven | Țara: Belgia

Bursă acordată de Ministerul Educației și Cercetării Române - H.G. nr 118/2023

Doctor Medic Stomatolog

Universitatea de Medicină și Farmacie "Carol Davila" București-Facultatea de Medicină Dentară [01/10/2015 – 15/09/2021]

Localitatea: București | Țara: România | Site de internet: www.umfcd.ro

Tehnician Dentar

Universitatea de Medicină și Farmacie "Carol Davila" București-FMAM [01/10/2013 – 15/09/2016]

Localitatea: București | Țara: România | Site de internet: www.umfcd.ro

Liceu

Colegiul Național "Ferdinand I" Bacău [01/09/2009 – 30/06/2013]

Localitatea: Bacau | Țara: România | Site de internet: <https://www.colegiulferdinand.ro/>

EXPERIENȚA PROFESIONALĂ

 *Practică privată* – București, România

Medic stomatolog

[01/10/2021 – În curs]

 *Spitalul "Sfantul Pantelimon"* – București, România

Medic rezident în specializarea Stomatologie Generală

[01/01/2022 – 31/08/2025]

COMPETENȚE

Microsoft Office / Zoom / Skype / Social Media / Team-work oriented

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): română

Altă limbă (Alte limbi):

engleză

COMPREHENSIUNE ORALĂ C1 CITIT C1 SCRIS C2

PRODUCEREA DE MESAJE ORALE B2 CONVERSAȚIE C1

neerlandeză

COMPREHENSIUNE ORALĂ A2 CITIT A2 SCRIS A2

PRODUCEREA DE MESAJE ORALE A2 CONVERSAȚIE A2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

PUBLICAȚII

[2025]

Clear aligner therapy for minimally invasive dentistry: A scoping review Burlacu-Vătămanu OE, Alzyoud Z, Elgarba BM, Fontenele RC, Cristache CM, Jacobs R. Clear aligner therapy for minimally invasive dentistry: A scoping review. *J Dent.* 2025 Oct;161:105968. doi: 10.1016/j.jdent.2025.105968. Epub 2025 Jul 11. PMID: 40653000. (indexat WOS **IF 5,5** si PubMed)

Autori: Burlacu-Vătămanu OE, Alzyoud Z, Elgarba BM, Fontenele RC, Cristache CM, Jacobs R | **Denumirea publicației/conferinței:** J Dent.

Evaluation of Four 3D Facial Scanning Technologies: From Photogrammetry to Structured-Light Systems in Clinical Dentistry. Burlacu-Vătămanu OE, Cristache CM, Drafta S, Nimigean VR. Evaluation of Four 3D Facial Scanning Technologies: From Photogrammetry to Structured-Light Systems in Clinical Dentistry. *Dent J (Basel).* 2026 Feb 14;14(2):113. doi: 10.3390/dj14020113. PMID: 41744951; PMCID: PMC12939990. (indexat WOS **IF 3,1** si PubMed) [Inroduceți aici descrierea](#)

[2023]

A Finite Element Analysis of a Tooth-Supported 3D-Printed Surgical Guide without Metallic Sleeves for Dental Implant Insertion Ionut Gabriel Ghionea; **Oana Elena Burlacu Vatamanu**; Ana Maria Cristescu; Mihai David; Izabela Cristina Stancu; Cristian Butnarusu; Corina Marilena Cristache. 2023. "A Finite Element Analysis of a Tooth-Supported 3D-Printed Surgical Guide without Metallic Sleeves for Dental Implant Insertion." *Applied Sciences* 13, no. 17: 9975. Indexată in WOS, IF 2,7.

Automated orofacial virtual patient creation using two cohorts of MSCT vs. CBCT scans Jindanil T, **Burlacu-Vătămanu OE (contribuție egală cu primul autor)**, Baldini B, Meyns J, Meewis J, Fontenele RC, de Llano Perula MC, Jacobs R. Automated orofacial virtual patient creation using two cohorts of MSCT vs. CBCT scans. *Head Face Med.* 2025 Mar 28;21(1):21. doi: 10.1186/s13005-025-00500-1. PMID: 40156051; PMCID: PMC11951535. (indexat WOS **IF 2,6** si PubMed)

Automated orofacial virtual patient creation: A proof of concept. Jindanil T, **Burlacu-Vătămanu OE**, Meyns J, Meewis J, Fontenele RC, Perula MCL, Jacobs R. Automated orofacial virtual patient creation: A proof of concept. *J Dent.* 2024 Nov;150:105387. doi: 10.1016/j.jdent.2024.105387. Epub 2024 Oct 2. PMID: 39362299. (indexat WOS **IF 5,5** si PubMed)

Digitally Planned and Guide-Delivered Provisionalization for Emergence Profile Shaping in the Esthetic Zone: Clinical Outcomes and Complications in a Retrospective Single-Arm Cohort Study Nechita CA, Cristache CM, **Burlacu-Vătămanu OE (autor corespondent)**, Butnarusu CC, Nimigean V, Digitally Planned and Guide-Delivered Provisionalization for Emergence Profile Shaping in the Esthetic Zone: Clinical Outcomes and Complications in a Retrospective Single-Arm Cohort Study, *J Clin Med* 15 (2026) 3945. <https://doi.org/10.3390/jcm15103945>. (indexat WOS **IF 2,9**)

[2023]

The Virtual Patient: A Promising Artificial Intelligence Application in Dentistry Burlacu Vatamanu OE, Drafta S, Babiuc I, David M, Cristache CM The Virtual Patient: A Promising Artificial Intelligence Application in Dentistry; *dentalTarget*, Vol XVIII nr 3-4 (68-69) Nov-Dec 2023

[2021]

Digital versus analog in fixed prosthetic restorations on dental implants Alecu ME, **Burlacu Vatamanu OE**, Tanase G, Cristache CM, Digital versus analog in fixed prosthetic restorations on dental implants, dentalTarget, may2021, Vol. 16 Issue 2 (59), p26-29.

[2021]

Intraoral scanning in dentistry, a viable alternative to conventional impression? Burlacu-Vatamanu, OE; Tanase, G; Burlibaşa, M; Cristache, CM, Intraoral scanning in dentistry, a viable alternative to conventional impression? dentalTarget, mar2021, Vol. 16 Issue 1, p23-27.

[2020]

Digital versus analog în dental medicine- Part I. Cristache C.M., Eftimie-Totu E., Mihuţ T., Iorgulescu G., Pintilie I., **Vatamanu Burlacu O.E.**, Burlibaşa M. Digital versus analog în medicina dentară – Parte I. Dental Target. March 2020; Volume XV, No. 1, p. 41-44. (Revistă indexată BDI – EBSCO).

[2017]

Is there a correlation between face form, tooth shape and patient's personality? The Visagism concept Mihut T, Armegioiu M, **Burlacu Vatamanu OE**, Cristache CM. Is there a correlation between face form, tooth shape and patient's personality? The Visagism concept. Dental Target 2017, Vol. 12 Issue 4, p14-23, indexată EBSCO.

[2017]

The use of CAD-CAM technology in removable prosthodontics Cristache CM, **Burlacu Vatamanu OE**, Tomescu I, Mihut T, Isildak I, Totu EE. The use of CAD-CAM technology in removable prosthodontics, Dental Target, 2017, Vol. 12 Issue 2, p36-42, indexată EBSCO

[2022]

Is guided surgery a predictable option for dental implants insertion? (Ro - Este chirurgia ghidată o opţiune predictibilă în inserţia implanturilor dentare?) Book chapter **Burlacu Vatamanu OE**, Tanase G, Cristache CM, Costea R, Ionescu I, Burlibasa M, Este chirurgia ghidată o opţiune predictibilă în inserţia implanturilor dentare? in Tendinţe moderne în ştiinţele biomedicale, Vol. XXV, coordonatori: Perieanu MV, Costea R, Perieanu VS, Beuran IA, Andrei OC, Editura Matrix Rom, Bucureşti, 2022, pag. 9-75 (ISBN: 978-606-25-0714-5).

[2018]

Digital smile design in the CAD – CAM functional complete dentures workflow, Poster **Burlacu Vatamanu OE**, Cristache CM, Oancea L, Pauna M, Totu EE, Digital smile design in the CAD – CAM functional complete dentures workflow, Poster, Congresul Universitatii de Medicina si Farmacie Carol Davila, Bucuresti, Editia a VI-a, 7-9 iunie 2018, Maedica a Journal of Clinical Medicine, Vol.13, Supplement 2018, ISSN 2501-6903

Poster - Congresul Universitatii de Medicina si Farmacie Carol Davila, Bucuresti, Editia a VI-a

[2023]

DIGITAL WORKFLOW FOR IMMEDIATE FIXED REHABILITATION USING STACKABLE GUIDES - Poster congres DDS GLOBAL CONGRESS Casablanca - October 12-14, 2023 Cristache CM, Butnarusu C, Boiangiu R, **Burlacu Vatamanu OE**, DIGITAL WORKFLOW FOR IMMEDIATE FIXED REHABILITATION USING STACKABLE GUIDES

Poster - 3rd Digital Dentistry Society Global Congress Casablanca - October 12-14, 2023

Predictable Full Digital Workflow Using Stackable Surgical Templates for Complete Dental Arch Rehabilitation with Implant-Supported Fixed Restorations- Case Series and Proof of Concept. Cristache CM, **Burlacu-Vătămănu OE (autor corespondent)**, Butnarusu CC, MihutT, Sgiea ED. Predictable Full Digital Workflow Using Stackable Surgical Templatesfor Complete Dental Arch Rehabilitation with Implant-Supported Fixed Restorations-Cas e Series and Proof of Concept. Dent J (Basel). 2024 Oct 30;12(11):347. doi:10.3390/dj12110347. PMID: 39590397; PMCID: PMC11593087. (indexat WOS **IF3,1** si PubMed)

A Hybrid Workflow for Auricular Epithesis: Proof of Concept Integrating Mold Design and the Virtual Patient.

Tarba CI, Dragomir I, Baciu IM, **Burlacu-Vătămănu OE (autor corespondent)**, Ghionea IG, Cristache CM. A Hybrid

Workflow for Auricular Epithesis: Proof ofConcept Integrating Mold Design and the Virtual Patient. Prosthesis. 2025; 7(5):114.<https://doi.org/10.3390/prosthesis7050114> (indexat WOS **IF 4,5**)

What is the role of AI-driven automation in static surgical guide design? A scoping review. Andrade-Bortoletto MFS, Du X, Dawood EA, **Burlacu-Vătămanu OE**, Tarce M,Fontenele RC, Freitas DQ, Jacobs R. What is the role of AI-driven automation in staticsurgical guide design? A scoping review. J Dent. 2025 Dec;163:106193. doi:10.1016/j.jdent.2025.106193. Epub 2025 Oct 24. PMID: 41284519. (indexat WOS **IF5,5** si PubMed)

Advancements in Digital Workflows for 3D-Printed Maxillofacial Soft Prostheses: Exploring Design and Materials in Direct Additive Manufacturing: A Scoping Review. Tarba CI, Cristache MA, Baci IM, Cristache CM, **Burlacu-Vătămanu OE**, OanceaL. Advancements in Digital Workflows for 3D-Printed Maxillofacial Soft Prostheses:Exploring Design and Materials in Direct Additive Manufacturing: A Scoping Review.Applied Sciences. 2025; 15(4): 1701. <https://doi.org/10.3390/app15041701>(indexatWOS **IF 2,5**)

AWARDS

[08/11/2024 – 10/11/2024]

Premiul: Best team effort -Hackaton4Health

[24/10/2024 – 26/10/2024]

Premiul I Tânărului Cercetător –Stomatologie

Congresul Universității de Medicină și Farmacie “Carol Davila” București, Ediția a XII- 24-26 octombrie 2024.

[16/03/2017 – 19/03/2017]

Mențiune - International Congress for Students and Young Doctors stuDENT 2017

Mention for presenting the research: "CAD-CAM Technologies for dentures manufacturing"