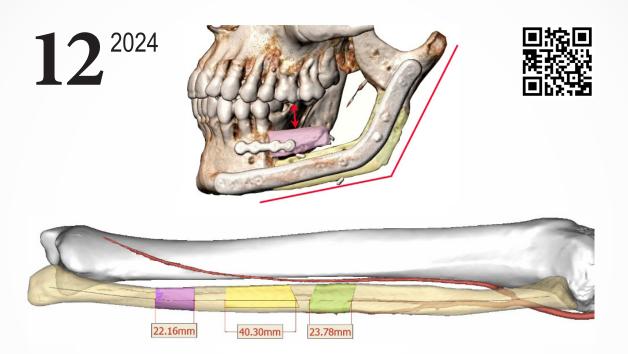
Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology



The cover images indicate the key direction of the journal and highlight an article titled "The 'Beveled One-and-a-Half-Barrel' Fibula Transplant with Virtual Surgical Planning and CT-Guided Implant Surgery for Prosthetic Rehabilitation in Posterior Mandible Defects: A Pictorial Essay" by Olindo MASSARELLI and Silvio Mario MELONI. The article was published in Volume 6, Issue 3.

This is a monthly open access and peer-reviewed journal for oral and maxillofacial surgeons. The journal made the transition from a print and an online version to an online-only version on January 1, 2022. The Editor in Chief is Oleksii Tymofieiev, Kyiv, Ukraine.







DTIOURNAL.ORG

OMFPUBLISHING.COM





QUICK RELIEF FROM PAIN AND INFLAMMATION IN THE **MOUTH AND THROAT¹**

AN INTEGRAL COMPONENT OF THE TREATMENT **OF PAIN AND INFLAMMATION IN THE ORAL CAVITY** IN 60 COUNTRIES WORLDWIDE!2



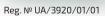
- JAWS FRACTURES³
- IMPLANTS PLACEMENT⁴
- WOUNDS OF ORAI **CAVITY**⁵











LOCAL ANESTHETIC AND ANTI-INFLAMMATORY **EFFECT¹**

NAME OF THE MEDICINAL PRODUCT. Tantum Verde 0.15% mouthwash. QUALITATIVE AND QUANTITATIVE COMPOSITION. Each 100 ml contains: active ingredient: benzydamine hydrochloride 0.15 g (equivalent to 0.134 g of benzydamine). Therapeutic indications. Ireatment of symptoms such as irritation/inflammation including those associated with pain in the oropharyngeal cavity (e.g. gingivitis, stomatitis and pharyngitis), including those resulting from conservative or extractive dental therapy. Posology and method of administration. Pour 15 ml of Tantum Verde mouthwash into the measuring cup, 2-3 times per day, using it either at full concentration or diluted. If diluted, add 15 ml of water to the graduated cup, Do not exceed the recommended dosage. Contraindications. Hypersensitivity to benzydamine or to any of the excipient. PHARMACOLOGICAL PROPERTIES. Pharmacodynamic properties. Pharmacothreapeutic group: Stomatologic drugs: other agents for local oral treatment. Alt Cocke And 10ADO2. Clinical studies demonstrate that benzydamine is effective in relieving suffering from localised irritation of the mouth and pharyn, in addition, but and the properties. Absorption. Absorption through the oropharyngeal mucosa is demonstrated by the presence of measurable quantities of benzydamine in human plasma. These levels are insufficient to produce systemic effects. <u>Distribution</u>. When applied locally, benzydamine has been shown to accumulate in inflamed tissues where it reaches effective concentrations because of its capacity to penetrate the epithelial lining.

Information about medicines. Information for health care professionals for use in professional activities.

- 1. Інструкція для медичного застосування лікарського засобу Тантум Верде®, розчин для ротової порожнини, РП № UA/3920/01/01, затверджено Наказом Міністерства охорони здоров я України № 636 від 01.10.2015.
 2. http://www.angelinipharma.com/wps/wcm/connect/com/home/Angelini+Pharma+in+the+world/
- 3. Тимофеев А.А. и др. "Ocoбенности гигиены полости рта для профилактики воспалительных осложнений при переломах нижней челюсти". Современная стоматология 2015;1(75):52–8. 4. 4,5. Tymofieiev 0.0. et al Prevention of inflammatory complications upon surgeries in maxillofacial region". J Diagn Treat Oral Maxillofac Pathol. 2017;1:105–12.

Clinical and CT images are courtesy of: levgen Fesenka (Department of Oral & Maxillofacial Surgery, PHEI "Kyiv Medical University", Kyiv, Ukraine), Oleg Mastakov ("SCIEDECE—Scientific Center of Dentistry & Ultrasound Surgery "Kyiv, Ukraine)





About the Journal

DECEMBER 2024 • VOLUME 8 • ISSUE 12 www.dtjournal.org

Official Title

Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology

Official Title in Ukrainian

Журнал діагностики та лікування оральної і щелепнолицевої патології

Standard Abbreviation: ISO 4

J. Diagn. Treat. Oral Maxillofac. Pathol.

Acronym

IDTOMP

International Standard Serial Number (ISSN)

ISSN 2522-1965 (online)

Aims & Scope

This is a monthly open access and peer-reviewed oral and maxillofacial surgeons. The journal is focused on trauma, microvascular and jaw reconstructive surgery, dental implants, salivary gland tumors/diseases, TMJ lesions, virtual surgical planning, implementation of ultrasonography into the practice of oral and maxillofacial surgeons.

Editorial Board (EB) Composition

- EB shows significant geographic diversity representing 35 opinion leaders from 14 countries: Brazil, Canada, Colombia, Greece, Hong Kong (SAR, China), India, Israel, Italy, Slovak Republic, Spain, Ukraine, United Arab Emirates, United Kingdom, and United States.
- The majority of the EB Members have a discernible publication history in Scopus, Web of Science, and journals with a high impact factor.
- The publication records of all EB members are consistent with the stated scope and published content of the journal.
- The journal has several full-time professional editors.
- Gender distribution of the editors: 11.42% women (4 persons), 88.57% men (31 persons), 0% non-binary/other, and 0% prefer not to disclose.

Frequency

12 issues a year (from January 2020)

Publishing Model

The Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology is a fully online-only open access and peer-reviewed publication.

Types of Peer Review

The journal employs "double blind" and open reviewing.

Article Publishing Charge (APC)

The APC in this journal is 500 Euro (\$550 USD) and 250 Euro (\$275 USD)(excluding taxes) depending on the article's type. Details at website: www.dtjournal.org.

Types of Articles Currently Published by the Journal

Editorials/Guest Editorials/Post Scriptum Editorials, Images,

Case Reports/Case Series, Original Articles, Review Articles, Discussions, Paper Scans (*synonyms*: Review of Articles, Literature Scan), Book Scans (*synonym*: Book Reviews), Letters to the Editor (*synonym*: Letters), and Viewpoints.

State Registration in the Ministry of Justice of Ukraine

Registration: Jul 28, 2016 (Certificate: KB № 22251-12151 P) Re-registration: May 21, 2019 (Certificate: KB № 23999-13839 Π P) Re-registration: Aug 10, 2021 (Certificate: KB № 24951-14891 Π P).

State Registration in the National Council of Television and Radio Broadcasting of Ukraine

- The journal is registered as print media (Decision of 2024, April 11, No. 1225). The identifier of print media R30-04318.
- The journal is registered as online media (Decision of 2024, April 25, No. 1454). The identifier of online media R40-04708.

Journal is Included in

Encyclopedia of Modern Ukraine, Google Scholar, National Repository of Academic Texts, Register of Scientific Publications of Ukraine (also known as Ukrainian Scientific Periodicals or Register of Scientific Professional Publications of Ukraine), ResearchGate, Scilit, and Vernadsky National Library of Ukraine

Co-Founders

- Shupyk National Healthcare University of Ukraine (formerly known as Shupyk National Medical Academy of Postgraduate Education).
- 2. Private Higher Educational Establishment "Kyiv Medical University."
- 3. OMF Publishing, Limited Liability Company.

Publisher

OMF Publishing, LLC is an academic publishing company. Address: 13-A Simferopolska Street, office 121, Kyiv 02096, Ukraine. E-mail: office@omfpublishing.com.

Website: www.omfpublishing.com.

Crossref Membership

OMF Publishing, LLC is a member of Publishers International Linking Association, Inc. which doing business as a Crossref. OMF Publishing's active membership: From February 2017 to present.

Digital Object Identifier (DOI) of the Journal

10.23999/j.dtomp

Official Journal of the Association

Ukrainian Association for Maxillofacial and Oral Surgeons

Ukrainian Association for Maxillofacial and Oral Surgeons (UAMOS)

Address: 4-A Profesora Pidvysotskoho Street, Kyiv 01103, Ukraine. Tel., fax: +38 044 528 35 17.

Website: www.uamos.org.

© 2024 OMF PUBLISHING, LLC

Editorial Board

DECEMBER 2024 • VOLUME 8 • ISSUE 12 www.dtjournal.org

Editor in Chief

Oleksii O. Tymofieiev, ScD Kyiv, Ukraine **Honorary Deputy Editor in Chief**

Rui P. Fernandes, MD, DMD, FACS, FRCS(Ed)
Jacksonville, Florida, United States

Deputy Editors in Chief

Evangelos G. Kilipiris, DMD Bratislava, Slovak Republic **John M. Le, MD, DDS**Jacksonville, Florida, United States

Camilo Mosquera, DDSGalveston, Texas, United States

Section Editors

Bone Augmentation Techniques

Nardy Casap, MD, DMD Jerusalem, Israel

Business

Ivan V. Nagorniak, MSc, PhD Kyiv, Ukraine

Craniofacial Deformities

Sunil Richardson, MDS Nagercoil, Tamil Nadu, India

Facial Feminization Surgery

Kyle Keojampa, MD, FACSLos Angeles, California, United States

Facial Plastic Surgery

Tirbod Fattahi, MD, DDS, FACS Jacksonville, Florida, United States

Head & Neck Oncologic Surgery

Todd C. Hanna, MD, DDS, FACS New York, New York, United States

Head & Neck Radiology

Anil T. Ahuja, MBBS, MD, FRCR, FHKCR, FHKAM

Hong Kong, SAR, China

Image

Camilo Mosquera, DDS Galveston, Texas, United States

Orthognathic Surgery

Mario Brinhole São Paolo, São Paolo, Brazil

Andrey V. Kopchak, ScD

Anastasiya Quimby, DDS, MD

Robotic Surgery

Salam O. Salman, MD, DDS, FACS Jacksonville, Florida, United States

TMJ Lesions/Disorders

Belmiro C. Vasconcelos, DDS, PhD Recife, Pernambuco, Brazil

Trauma

Paul Coulthard, BDS, MDS, PhD, MFGDP(UK), FDSRCS(Eng), FDSRCS(OS), FDSRCPS(Glas), FFDTRCS(Ed), FDSRCS(Ed), FCGDent London, United Kingdom

Editorial Board Members

Olindo Massarelli, MD, PhD, FEBOMFS

Fort Lauderdale, Florida, United States

Daniel Robles Cantero, DDS, MSc, PhD

Oleh M. Antonyshyn, MD, FRCS(C) Toronto, Ontario, Canada

Anthony M. Bunnell, MD, DMD, FACS Jacksonville, Florida, United States

Yurii V. Chepurnyi, ScD Kyiv, Ukraine

Nur A. Hatab, DMD, PhDRas Al Khaimah, United Arab Emirates

Vladyslav P. Iefymenko, PhD Kviv, Ukraine

Michael T. Kase, DMD Birmingham, Alabama, United States Nataliia O. Savychuk, ScD

Kyiv, Ukraine

Madrid, Spain

Kyiv, Ukraine

Sassari, Italy

Peter Stanko, MD, PhD Bratislava, Slovak Republic Rostyslav M. Stupnytskyi, ScD Kyiv, Ukraine

Olexander O. Tymofieiev, ScD Kyiv, Ukraine

Natalia O. Ushko, ScD Kyiv, Ukraine

Andrew Yampolsky, DDS, MD Philadelphia, Pennsylvania, United States

Web & Social Media Editor

João L. Monteiro, DDS , PhD Boston, Massachusetts, United States

Resident Ambassador

Marcus Hwang, DDS, MDPortland, Oregon, United States

Managing Editor

Ievgen I. Fesenko, PhD Kyiv, Ukraine



TANTUM VERDE®

INFORMATION LEAFLET for the medicinal product

Composition:

active substance: benzydamine hydrochloride;

100 mL of solution contain benzydamine hydrochloride 0.15 g;

excipients: ethanol 96%, glycerol, methyl parahydroxybenzoate (E 218), flavor (menthol), saccharin, sodium hydrocarbonate, Polysorbate 20, Quinoline Yellow (E 104), Patent Blue V (E 131), purified water.

Dosage form. Oromucosal solution.

Basic physical and chemical properties: a clear green liquid with a typical mint flavor.

Pharmacotherapeutic group. Dental preparations. Other agents for local oral treatment.

ATC code: A01A D02.

Pharmacological properties.

Pharmacodynamics.

Benzydamine is a non-steroidal anti-inflammatory drug (NSAID) with analgesic and antiexudative properties.

Clinical studies have shown that benzydamine is effective in the relief of symptoms accompanying localized irritation conditions of the oral cavity and pharynx. Moreover, benzydamine has anti-inflammatory and local analgesic properties, and also exerts a local anesthetic effect on the oral mucosa.

Pharmacokinetics.

Absorption through the oral and pharyngeal mucosa has been proven by the presence of measurable quantities of benzydamine in human plasma. However, they are insufficient to produce any systemic pharmacological effect. The excretion occurs mainly in urine, mostly as inactive metabolites or conjugated compounds.

When applied locally, benzydamine has been shown to cumulate in inflamed tissues in an effective concentration due to its ability to permeate through the mucous membrane.

Clinical particulars.

Indications.

Symptomatic treatment of oropharyngeal irritation and inflammation; to relieve pain caused by gingivitis, stomatitis, pharyngitis; in dentistry after tooth extraction or as a preventive measure.

Contraindications.

Hypersensitivity to the active substance or to any other ingredients of the product.

Interaction with other medicinal products and other types of interaction.

No drug interaction studies have been performed.

Warnings and precautions.

If sensitivity develops with long-term use, the treatment should be discontinued and a doctor should be consulted to get appropriate treatment.

In some patients, buccal/pharyngeal ulceration may be caused by severe pathological processes. Therefore, the patients, whose symptoms worsen or do not improve within 3 days or who appear feverish or develop other symptoms, should seek advice of a physician or a dentist, as appropriate.

Benzydamine is not recommended for use in patients hypersensitive to acetylsalicylic acid or other non-steroidal anti-inflammatory drugs (NSAIDs).

The product can trigger bronchospasm in patients suffering from or with a history of asthma. Such patients should be warned of this.

For athletes: the use of medicinal products containing ethyl alcohol might result in positive antidoping tests considering the limits established by some sports federations.

Use during pregnancy or breast-feeding

No adequate data are currently available on the use of benzydamine in pregnant and breastfeeding women. Excretion of the product into breast milk has not been studied. The findings of animal studies are insufficient to make any conclusions about the effects of this product during pregnancy and lactation.

The potential risk for humans is unknown.

TANTUM VERDE should not be used during pregnancy or breast-feeding.

Effects on reaction time when driving or using machines When used in recommended doses, the product does not produce any effect on the ability to drive and operate machinery.

Method of administration and doses.

Pour 15 mL of TANTUM VERDE solution from the bottle into the measuring cup and gargle with undiluted or diluted product (15 mL of the measured solution can be diluted with 15 mL of water). Gargle 2 or 3 times daily. Do not exceed the recommended dose.

Children.

The product should not be used in children under 12 years due to a possibility of ingestion of the solution when gargling.

Overdosage.

No overdose has been reported with benzydamine when used locally. However, it is known that benzydamine, when ingested in high doses (hundreds times higher than those possible with this dosage form), especially in children, can cause agitation, convulsions, tremor, nausea, increased sweating, ataxia, and vomiting. Such acute overdose requires immediate gastric lavage, treatment of fluid/salt imbalance, symptomatic treatment, and adequate hydration.

Adverse reactions.

Within each frequency group, the undesirable effects are presented in order of their decreasing seriousness.

Adverse reactions are classified according to their frequency: very common (\geq 1/10); common (\geq 1/100 to <1/10); uncommon (\geq 1/1,000 to <1/100); rare (\geq 1/10,000 to <1/1,000); very rare (<1/10,000); frequency unknown (cannot be estimated from the available data).

Gastrointestinal disorders: rare – burning mouth, dry mouth; unknown – oral hypesthesia, nausea, vomiting, tongue edema and discoloration, dysgeusia.

Immune system disorders: rare – hypersensitivity reaction, *unknown* - anaphylactic reaction.

Respiratory, thoracic and mediastinal disorders: very rare –laryngospasm; unknown – bronchospasm.

Skin and subcutaneous tissue disorders: uncommon – photosensitivity; *very rare* – angioedema; *unknown* – rash, pruritus, urticaria.

Nervous system disorders: unknown – dizziness, headache. TANTUM VERDE contains methyl parahydroxybenzoate, which can cause allergic reactions (including delayed-type reactions).

Shelf life. 4 years.

Storage conditions.

Do not store above 25°C. Keep out of reach of children.

Packaging.

120 mL of solution in a bottle with a measuring cup; 1 bottle per cardboard box.

Dispensing category.

Over-the-counter medicinal product.

Manufacturer.

Aziende Chimiche Riunite Angelini Francesco A.C.R.A.F. S.p.A., Italy.

Location of the manufacturer and its business address. Via Vecchia del Pinocchio, 22 – 60100 Ancona (AN), Italy.

Date of the last revision of the text.

September 26, 2018.

Information leaflet is

APPROVED by

Order of the

Ministry of Health of Ukraine

No. 636 dated 01.10.2015

Registration Certificate

No. UA/3920/01/01

State Registration

DECEMBER 2024 • VOLUME 8 • ISSUE 12
www.dtiournal.org



Міністерство юстиції України

Свідоцтво

про державну реєстрацію друкованого засобу масової інформації

Серія КВ

№ <u>24951 - 14891 П</u>Р

«Журнал діагностики та лікування оральної і щелепно-лицевої патології»				
(назва видання державною мовою)				
«Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology»				
(назва видання іншою мовою (мовами))				
Вид видання журнал				
(газета, журнал, бюлетень, збірник, альманах, календар, дайджест)				
Статус видання вітчизняне				
(вітчизняне, спільне)				
Мова (мови) видання змішаними мовами: українська, англійська				
Вид видання				
за цільовим призначенням Наукове, науково-виробниче (громадсько-політичне, наукове, навчальне, інформаційне,				
(громадсько-полничне, наукове, навчальне, інформацине,				
рекламне (понад 40 відсотків обсягу одного номера – реклама), еротичне тошо)				
Обсяг, періодичність 23,1 ум. друк. арк., формат А4 (210х297мм), 1 раз на місяць				
Сфера розповсюдження				
та категорія читачів загальнодержавна, зарубіжна				
лікарі-стоматологи-хірурги; лікарі ультразвукової діагностики, лікарі-рентгенологи, лікарі-				
патологоанатоми, студенти, лікарі-інтерни, слухачі, аспіранти, докторанти, наукові, науково-				
педагогічні та педагогічні працівники закладів вищої освіти та наукових установ				
Національний університет охорони здоров'я України імені				
П.Л. Шупика (код за ЄДРПОУ 01896702), Приватний вищий				
навчальний заклад «Київський медичний університет» (код за				
ЕДРПОУ 16478809), Товариство з обмеженою відповідальністю				
Засновник (співзасновники) «ОМФ ПАБЛІШИНГ» (код за ЄДРПОУ 40493077)				
,				
журнал присвячений сучасним проблемам діагностики і				
Програмні цілі (основні принципи) лікування в хірургічній стоматології та щелепно-лицевій				
або тематична спрямованість в компрургії				
Перший заступник Міністра Свгеній ГОРОВЕЦЬ				

FIGURE 1. Certificate of State Re-Registration of the Print Mass Media (journal) in the Ministry of Justice of Ukraine as of 2021. The *Journal* was registered for the first time in 2016 under the title *Diagnostics and Treatment of Oral and Maxillofacial Pathology*. The next re-registration took place in 2019.

State Registration

DECEMBER 2024 • VOLUME 8 • ISSUE 12



НАЦІОНАЛЬНА РАДА УКРАЇНИ З ПИТАНЬ ТЕЛЕБАЧЕННЯ І РАДІОМОВЛЕННЯ

РІШЕННЯ № 1454

25.04.2024

м. Київ

Протокол № 14

Про заяву ТОВ «ОМФ ПАБЛІШИНГ», м. Київ, щодо реєстрації суб'єкта у сфері онлайн-медіа

Розглянувши заяву ТОВАРИСТВА З ОБМЕЖЕНОЮ ВІДПОВІДАЛЬНІСТЮ «ОМФ ПАБЛІШИНГ», м. Київ (місцезнаходження: вул. Сімферопольська, буд. 13-а, оф. 121, м. Київ, 02096, адреса електронної пошти: office@omfpublishing.com), про реєстрацію суб'єкта у сфері онлайнмедіа, керуючись Законом України «Про медіа», Порядком подання до Національної ради України з питань телебачення і радіомовлення заяв щодо реєстрації суб'єктів у сфері медіа, затвердженим рішенням Національної ради від 18.05.2023 № 352 (зі змінами), Національна рада

ВИРІШИЛА:

- 1. Зареєструвати ТОВАРИСТВО З ОБМЕЖЕНОЮ ВІДПОВІДАЛЬНІСТЮ «ОМФ ПАБЛІШИНГ», м. Київ, суб'єктом у сфері
- 2. Внести до Реєстру суб'єктів у сфері медіа відомості щодо реєстранта ТОВ «ОМФ ПАБЛІШИНГ», м. Київ, та присвоїти ідентифікатор у Реєстрі, зазначивши:
 - суб'єкт у сфері онлайн-медіа;
 - ідентифікатор медіа R40-04708;
- адреса, за якою здійснюється редакційний контроль вул. Сімферопольська, буд. 13-а, оф. 121, м. Київ, 02096;
 - кінцевий бенефіціарний власник –
 - вид онлайн-медіа журнал;
- назва онлайн-медіа «Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology» / «Журнал діагностики та лікування оральної і щелепнолицевої патології»;
- для сервісів, що надаються через мережу Інтернет IP-адреса: IPv4: 5.9.144.130; доменне ім'я: dtjournal.org; реєстрант: ТОВ «ОМФ ПАБЛІШИНГ», місцезнаходження: вул. Сімферопольська, буд. 13-а, оф. 121,

A

FIGURE 2. The *Journal* is registered by the National Council of Television and Radio Broadcasting of Ukraine (**A**, **B**) as online media (Decision of April 25, 2024, No. 1454). The identifier of online media is R40-04708. (**Fig 2 continued on next page.**)

State Registration

DECEMBER 2024 • VOLUME 8 • ISSUE 12
www.dtjournal.org

м. Київ, 02096, код ЄДРПОУ 40493077; територія надання сервісу: територія України та територія поза межами державного кордону України.

- 3. Управлінню організаційного та документального забезпечення повідомити ТОВ «ОМФ ПАБЛІШИНГ», м. Київ, шляхом надсилання цього рішення на поштову та електронну адреси.
- 4. Виконання цього рішення покласти на управління: ліцензування та реєстрації, частотного регулювання та технічного контролю, організаційного та документального забезпечення, фінансово-економічне, контролю, аналізу та стратегічного розвитку, юридичне.
- 5. Контроль за виконанням цього рішення покласти на заступника голови Національної ради О. Черниша.



FIGURE 2 (continued). The *Journal* is registered by the National Council of Television and Radio Broadcasting of Ukraine (**A**, **B**) as online media (Decision of April 25, 2024, No. 1454). The identifier of online media is R40-04708.

В

Contents

of the Volume 8 • Issue 12 • December 2024

Article Type	Article Number	Pages	Description
		A1	Publisher & Editorial Office Information
		A2	Editorial Board
		A5-A7	State Registration
		A8	Contents, Courtesy, & Erratum
EDITORIAL	100300	1-18	Editorial: Institutional Repository of the Kyiv Medical University: A New Open Access Database for Authors and Peer-Reviewed Journals Oleksii O. Tymofieiev, Ievgen I. Fesenko, & Olena O. Serha



COURTESY

The Journal's cover images are courtesy Olindo Massarelli, MD, PhD, FEBOMFS.

The images were taken from this article: Massarelli O, Meloni SM. The "beveled one-and-a-half-barrel" fibula transplant with virtual surgical planning and CT-guided implant surgery for prosthetic rehabilitation in posterior mandible defects: a pictorial essay. *J Diagn Treat Oral Maxillofac Pathol* **2022**;6(3):39–59.

https://doi.org/10.23999/j.dtomp.2022.3.3



EDITORIAL REPOSITORY

Editorial: Institutional Repository of the Kyiv Medical University: A New Open Access Database for Authors and Peer-Reviewed Journals

Oleksii O. Tymofieiev^a, levgen I. Fesenko^{b,*}, & Olena O. Serha^c

ABSTRACT

Open access repository is a database, or a virtual archive established to collect, disseminate and preserve scientific output like scientific articles and datasets and to make them freely available. An institutional repository is one of four types of repositories. The purposes of this article are (1) to highlight the most important points of the Regulation on the Institutional Repository of the Kyiv Medical University (IRKMU) and (2) to explain the advantages for authors and peer-reviewed journals of colonization of the repository of such type. Also, this paper highlights the experience of the Department of Oral and Maxillofacial Surgery and the Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology (JDTOMP) in depositing peer-reviewed articles in this repository. The Regulation on the IRKMU was put into effect by Order No. 29 of January 26, 2024. In the same year, all structural units of the university, including dental departments, joined the process of depositing their scientific and clinical works. The IRKMU was created using the open-source software DSpace, which supports the Open Access Initiative Protocol for Metadata Harvesting (OAI-PMH) data exchange protocol, allowing the repository to be integrated into the international registers of the Registry of Open Access Repositories (ROAR), Directory of Open Access Repositories (OpenDOAR), and other search engines. The article is reinforced with screenshots of the stages of depositing data of scientific works. Carlile Butterfield and colleagues (2022) emphasized, that despite all benefits, however, their research indicates that it can be difficult to encourage all faculties to upload the research reports onto the institutional repository. Moreover, the

Article type: Editorial.

Please cite this article as: Tymofieiev OO, Fesenko II, Serha OO. Editorial: Institutional repository of the Kyiv Medical University: A new open access database for authors and peer-reviewed journals. J Diagn Treat Oral Maxillofac Pathol. 2024 Dec;8(12):100300.

At the time of publication of this article, the journal's impact factor (Exaly) is 0.2. Each author of this article is awarded CPD points according to the Order of the Ministry of Healthcare of Ukraine of February 22, 2019, No. 446.

Received 14 December 2024 Accepted 18 December 2024 Available online 25 December 2024

https://doi.org/10.23999/j.dtomp.2024.12.100300

© 2024 OMF Publishing LLC. Website: https://omfpublishing.com. This is an open access article under the CC BY license (http://creativecommons.org/licenses/by-nc/4.0/).

^a Editor in Chief; Professor, Head of the Department of Oral and Maxillofacial Surgery, Kyiv Medical University, Private Higher Educational Establishment, Kyiv, Ukraine. ORCID: https://orcid.org/0000-0002-1807-2470

^b Managing Editor; Associate Professor, Department of Oral and Maxillofacial Surgery, Kyiv Medical University, Private Higher Educational Establishment, Kyiv, Ukraine. ORCID: https://orcid.org/0000-0002-8901-1632

^c Head Teacher of the Department of Oral and Maxillofacial Surgery, Kyiv Medical University, Private Higher Educational Establishment, Kyiv, Ukraine. ORCID: https://orcid.org/0000-0003-1796-989X

^{*} Corresponding author's address: Editorial office, *JDTOMP*, OMF Publishing, LLC. 13-A Simferopolska Street, office 121, Kyiv, 02096, Ukraine. E-mail: *i.i.fesenko@dtjournal.org*; *y.fesenko@kmu.edu.ua* Phone: +38 063 293 18 13

authors propose a potential route to maximize the number of publications that are uploaded to a university institutional repository. They utilize student workers and the resources of the institutional repository manager to get materials uploaded. The experience of our department consists in attracting a competent editor from the editorial staff of the *JDTOMP* with appropriate payment for services. In sum, colonizing this new institutional repository as a new database, authors and peer-reviewed journals can and will increase the visibility of their publications. Thus, it can bear fruit in terms of increasing the citation of articles and the journals as well.

KEY WORDS

Open access, institutional repository, university, database, article, publication

EDITORIAL

A library is a growing organism [1].

—Jones et al (2006)

Repository is a location, either real or virtual, where data is stored [2]. The Latin word "reponere" means "to put back" [3]. An open access repository is a database, or a virtual archive established to collect, disseminate and preserve scientific output like scientific articles and datasets and to make them freely available [4].

Repositories can be either linked to an institution or department or linked to a research field or subject, i.e. (1) institutional or (2) subject repositories [4]. In other sources, the following types of repositories are distinguished: content repository, discipline repository, information repository, and institutional repository [2].

Authors emphasized that a repository is a broad term that can be used to describe various ways to collect and store data [2]. The institutional repository refers to database, i.e. a collection of information organized in such a way that a computer program can quickly select desired pieces of data [2].

The Kyiv Medical University is a Private Higher Educational Establishment [5] that has been continuously implementing the most modern educational and scientific technologies since its foundation, namely since 1992. An open access repository became one of them. Institutional Repository of the Kyiv Medical University (IRKMU) (Fig 1) was officially launched in 2024 [6]. The Regulation on the IRKMU was put into effect by Order No. 29 of January 26, 2024 [6].

Below are the official data of the repository according to the Regulation [6]:

• Official name of the repository in English according

- to the Regulation: Institutional Repository Kyiv Medical University.
- Official name of the repository in Ukrainian according to the Regulation: Інституційний репозитарій Київського медичного університету.
- Abbreviated name in English: IrKMU.
- The address of the Repository in the global Internet network: www.ir.kmu.edu.ua.

The IRKMU is formed and functions in accordance with the Law of Ukraine "On Education," the Law of Ukraine "On Higher Education," the Law of Ukraine "On Libraries and Library Affairs," the Law of Ukraine "On Copyright and Related Rights," the Law of Ukraine "On the National Informatization Program," the Law of Ukraine "On Electronic Documents and Electronic Document Management," the Law of Ukraine "On Protection of Information in Automated Systems," Regulations on the National Repository of Academic Texts, approved by Resolution No. 541 of the Cabinet of Ministers of Ukraine dated July 19, 2017 [7], and other acts of legislation, the Statute of the University and other internal documents of the University [6].

In March 2000, Hewlett-Packard (HP) Company awarded \$1.8 million to the Massachusetts Institute of Technology (MIT) Libraries for an 18-month collaboration to build DSpace™, a dynamic repository for the intellectual output in digital formats of multidisciplinary research organizations [8]. HP Labs and MIT Libraries released the system worldwide on November 4, 2002 [8]. The IRKMU was created based on the open-source software DSpace, which supports the Open Access Initiative Protocol for Metadata Harvesting (OAI-PMH) data exchange protocol, allowing the repository to be integrated into the international registers of the Registry of Open Access Repositories (ROAR), Directory of

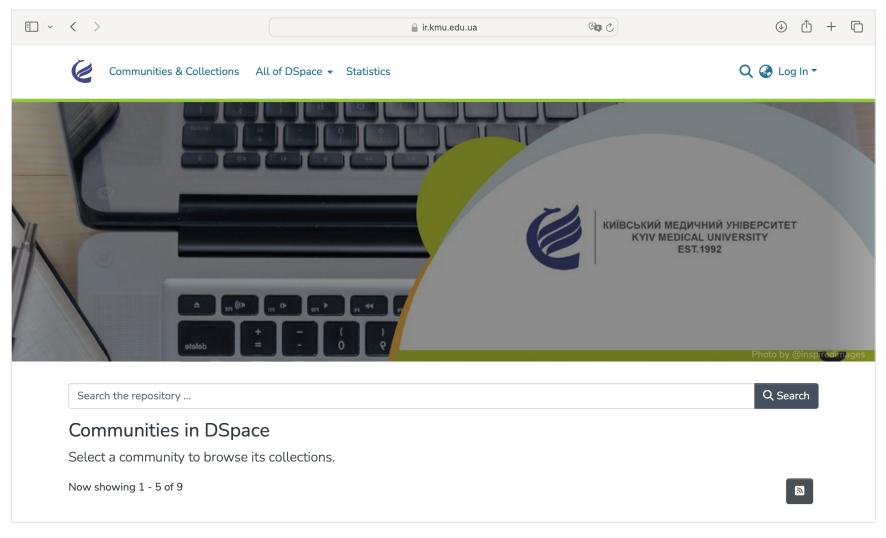


FIGURE 1. Screenshot of the home page of the Institutional Repository of the Kyiv Medical University (IRKMU). Link: https://ir.kmu.edu.ua.

Open Access Repositories (OpenDOAR), and other search engines [6].

DSpace is typically used for creating open access repositories for scholarly and/or published digital content [9]. DSpace describes semfelves as "an open source software platform developed and supported by our user community, with the help and support of Lyrasis [10]". Lyrasis is a non-profit member organization serving and supporting libraries, archives, museums, and cultural heritage organizations around the world [11]. Lyrasis is based in the Atlanta, Georgia, United States [11].

According to Regulation, the purpose (mission) of the IRKMU is to promote the development of medical and related sciences and education in Ukraine and the world by creating, accumulating, systematizing, storing and preserving in electronic form, as well as providing open access via the Internet to the intellectual products of the university community to the Ukrainian and world scientific educational society [6].

The main tasks of the IRKMU according to Regulation are [6]:

- Creation of organizational, technical and informational infrastructure for centralized and long-term electronic storage of scientific, educational, methodical and journalistic materials of the University, as well as their distribution on the Internet in open access.
- Increasing the reputation of the University.
- Promotion of the University's place in the rankings of educational institutions.
- Promoting the increase of scientometric indicators of the University and its employees.
- Creation of a reliable and accessible accounting system and distribution of educational and scientific works of University employees.

When placing materials (in particular, articles) in the Repository, the following metadata fields must be filled in according to the Dublin Core scheme [6]:

- 1. Authors surname and initials in the original language and in English (if the original article is presented in another language).
- 2. The title of the work is in the original language and in other languages, if known.
- 3. Abstract in the original language (mandatory), in English (preferably).
- 4. Key words in Ukrainian and English.

5. Bibliographic description - for previously published materials.

According to the official document of the KMU, the Repository is an online archive of documents in electronic form [6]. The Repository may contain documents created in whole or in part by participants in the educational process and employees of the University, or by third parties at the request of the University or its affiliates [6].

The storage period of documents in the Repository is not limited. Documents in the Repository are stored using the best global practices of data management and digital preservation. Importantly, the University ensures regular backups of the Repository files.

If necessary, an updated version of the document can be placed in the Repository [6]. At the same time, its previous version can be removed from public access with or without linking the appropriate identifier (uniform resource locator [URL]) to the latest version of the document [6].

It is important to know that by decision of the Vice President of the University, the University may remove from the Repository the materials that have signs of plagiarism, contradict the legislation, national interests of Ukraine, contain signs of falsification, or have a low scientific or educational level [6].

It is important to note that KMU is not the only medical higher education establishment in Ukraine in which the Institutional Repository was launched using the DSpace open-source software. Poltava State Medical University also started one using this technological tool [12].

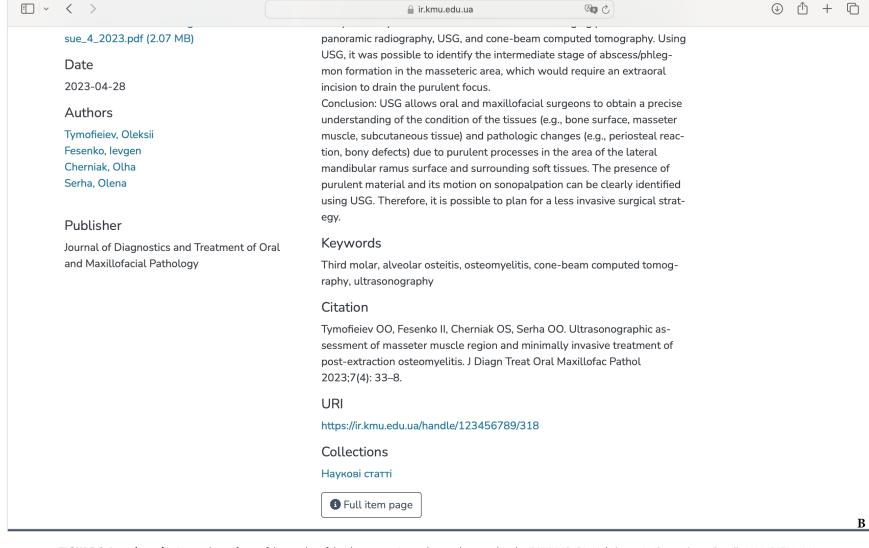
Figure 2 demonstrates screenshots of one of the articles of the department's employees deposited in the IRKMU. Each article after being entered in the Repository receives a unique link. For example, https://ir.kmu.edu.ua/handle/123456789/318 [13, 14]. Each department should also receive a link to the entire selection of scientific works of this department. We add a sample link to the Department's page in the repository: https://ir.kmu.edu.ua/handle/123456789/72 [15].

Screenshots when adding a new article to the repository clearly demonstrate (Fig 3) the importance of each article having an Abstract/Summary [16]. Even if it is the editorial, images, book review, article review or other short articles [16].

Kyiv Medical University is one of the co-founders of the Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology (JDTOMP) [17].



FIGURE 2. Screenshots of one of the articles of the department's employees deposited in the IRKMU (A, B). Link: https://ir.kmu.edu.ua/handle/123456789/318. (Fig 2 continued on next page.)



ir.kmu.edu.ua

TYMOFIEIEV, FESENKO, & SERHA

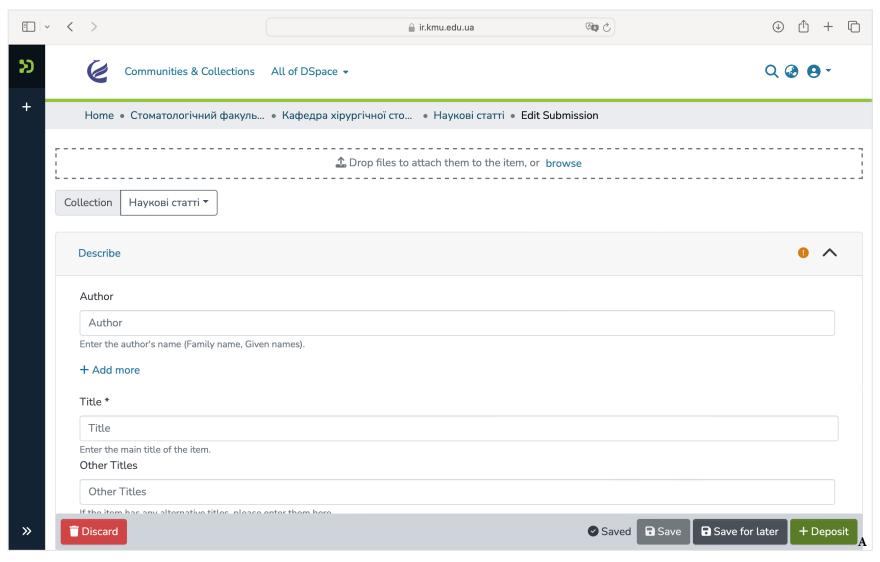


FIGURE 3. Screenshots of the data entry stages of each article when it is deposited in the IRKMU (A-H). (Fig 3 continued on next page.)

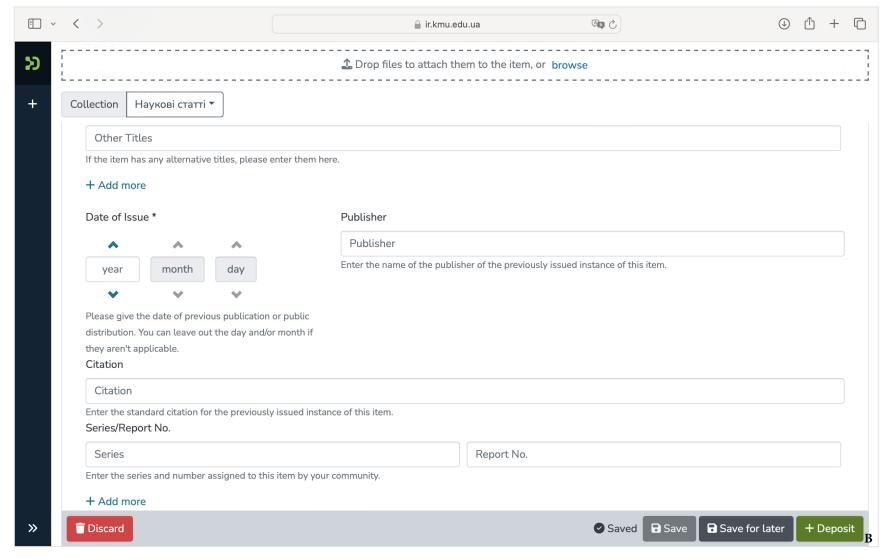


FIGURE 3 (continued). Screenshots of the data entry stages of each article when it is deposited in the IRKMU (A-H). (Fig 3 continued on next page.)

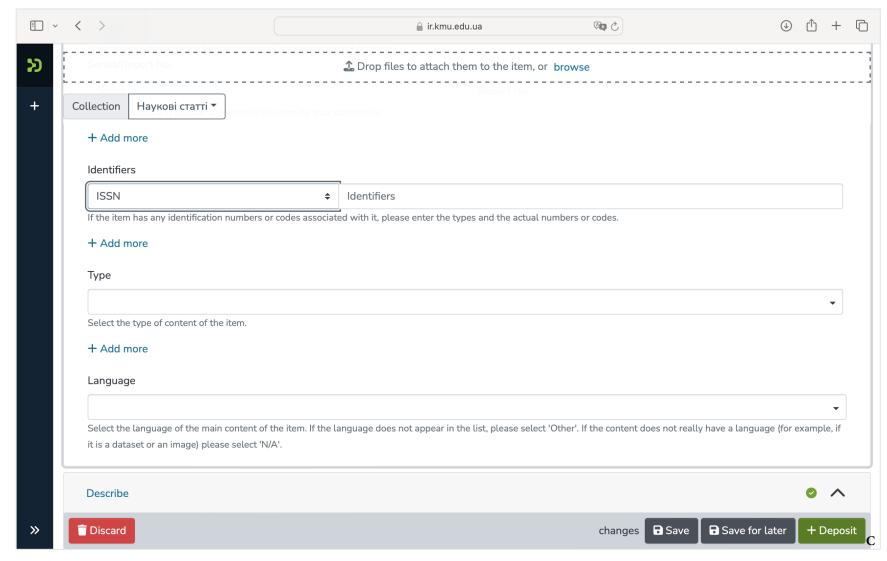


FIGURE 3 (continued). Screenshots of the data entry stages of each article when it is deposited in the IRKMU (A-H). (Fig 3 continued on next page.)

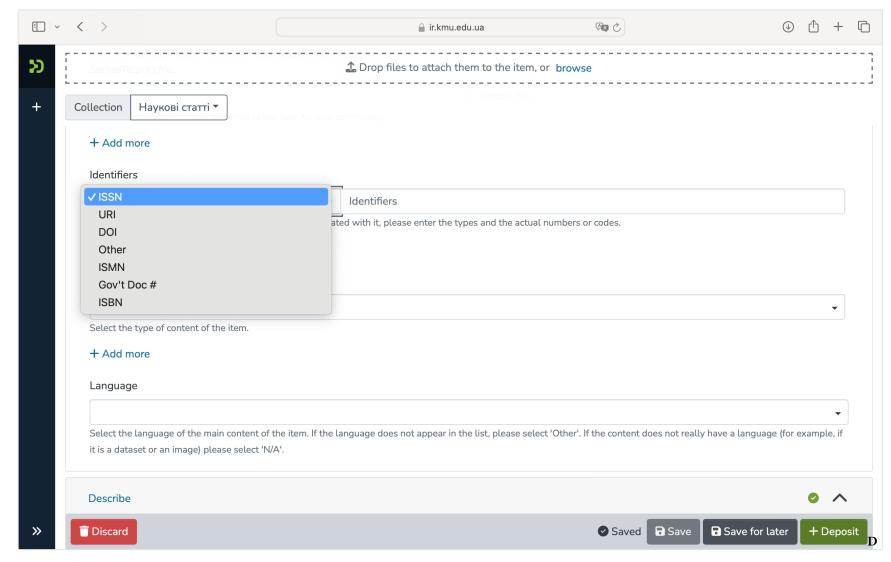


FIGURE 3 (continued). Screenshots of the data entry stages of each article when it is deposited in the IRKMU (A-H). (Fig 3 continued on next page.)

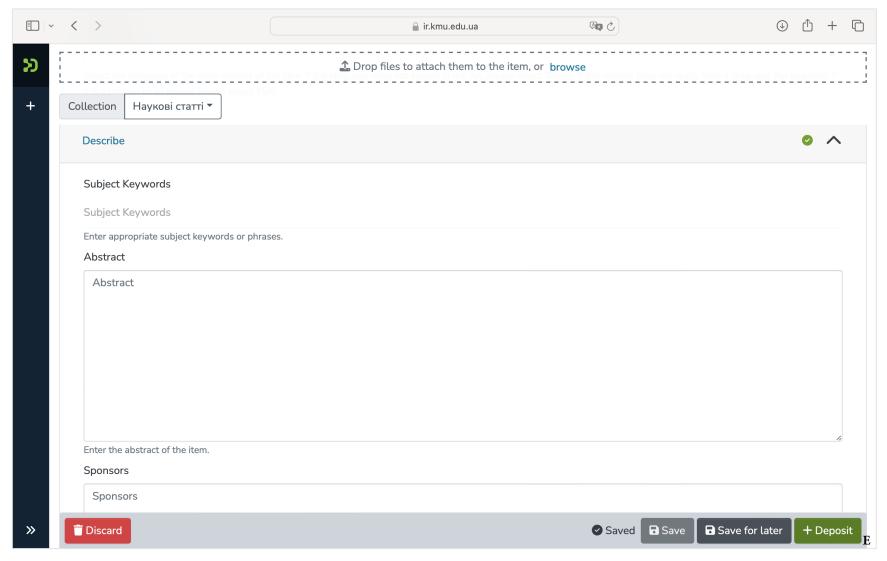


FIGURE 3 (continued). Screenshots of the data entry stages of each article when it is deposited in the IRKMU (A–H). (Fig 3 continued on next page.)

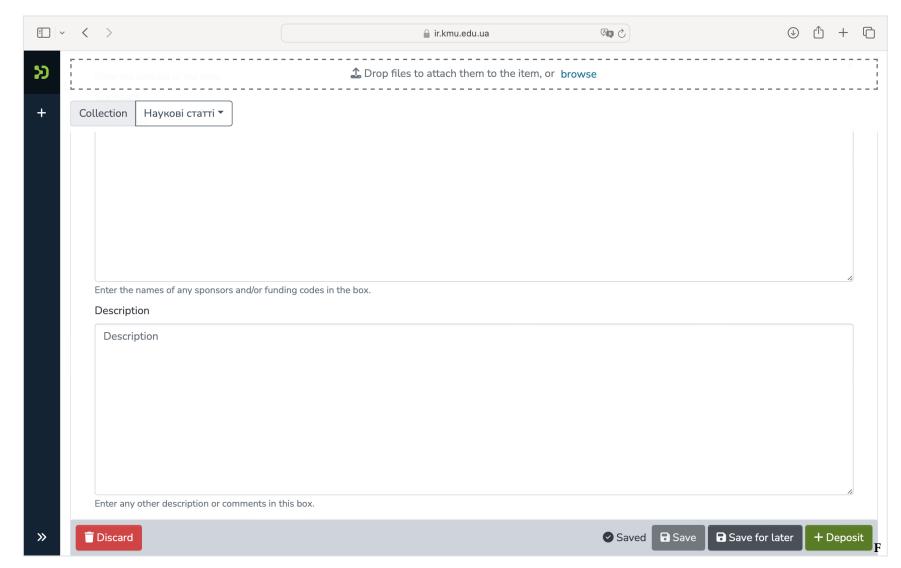


FIGURE 3 (continued). Screenshots of the data entry stages of each article when it is deposited in the IRKMU (A–H). (Fig 3 continued on next page.)

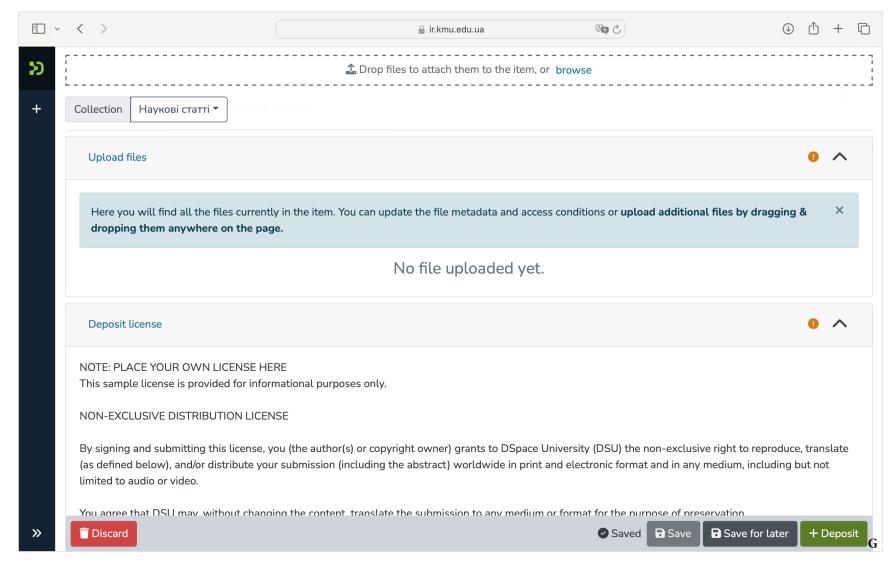
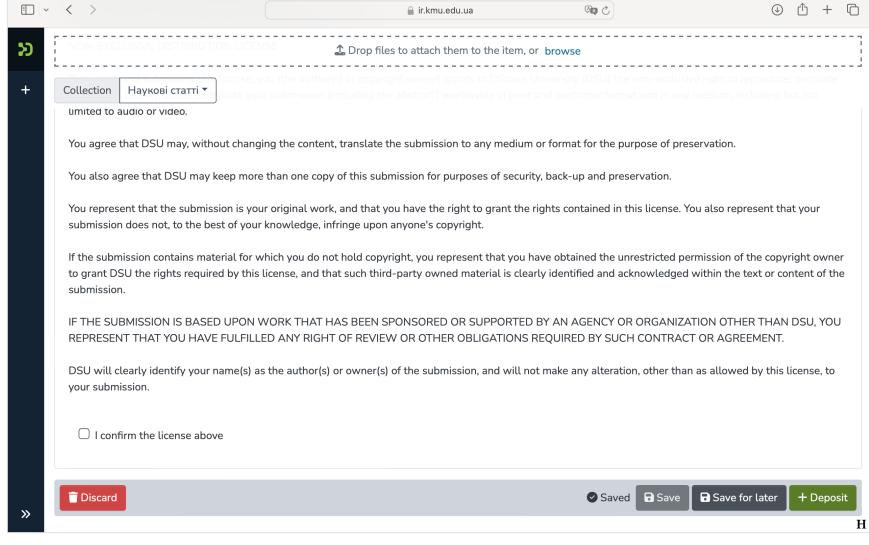


FIGURE 3 (continued). Screenshots of the data entry stages of each article when it is deposited in the IRKMU (A-H). (Fig 3 continued on next page.)



ir.kmu.edu.ua

FIGURE 3 (continued). Screenshots of the data entry stages of each article when it is deposited in the IRKMU (**A-H**).

As members of the editorial team of this JDTOMP from one hand, and as a department's employee from another, we are more than interested in the greater visibility of each of the published articles and in the growth of their citations. Journal colonization of each of the databases is a key element of every journal growth [18]. Therefore, our teams with passion and great inspiration approached the possibility of wider popularization of scientific and clinical results. In fact, the more journals' employees of the department publish in, the more different journals begin to enter the repository due to article infiltration [19-21]. Sharing our experience of depositing articles in this repository, we are forced to admit that the filling is quite simple, and it can take up to 12 minutes to deposit one article on average.

Carlile Butterfield and colleagues (2022) emphasized, that despite all benefits, however, the research indicates that it can be difficult to encourage all faculties to upload their research onto the institutional repository [22]. Moreover, the authors propose a potential route to maximize the number of publications that are uploaded to a university institutional repository [22]. They utilize student workers and the resources of the institutional repository manager to get materials uploaded [22]. The experience of our department consists in attracting a competent editor from the editorial staff of the *JDTOMP* with appropriate payment for services.

The fact that only the works of university employees can be deposited is limiting the possibilities of peerreviewed journals in which these employees have not yet been published. This is one of the limitations of this type of institutional repositories.

In conclusion, it is worth noting that by colonizing the new institutional repository as a new database, authors and peer-reviewed journals can and will increase the visibility of their publications. Thus, it can bear fruit in terms of increasing the citation of both articles and journals as well. University libraries are evolving [23]. And the emergence of university repositories is also one of the manifestations of such evolution. Interestingly, along with the evolution of universities, there is also an interrelated evolution of peer-reviewed journals.

ORCID

Oleksii Tymofieiev, https://orcid.org/0000-0002-1807-2470 Ievgen Fesenko, https://orcid.org/0000-0002-8901-1632 Olena Serha, https://orcid.org/0000-0003-1796-989X

CONFLICT OF INTEREST

The authors declare that they have no conflict of interest.

AUTHOR CONTRIBUTIONS

Conceptualization and drafting of the manuscript: Ievgen I. Fesenko. Critical revision of the manuscript: Oleksii O. Tymofieiev, Olena O. Serha. Approval of the final version of the manuscript: all authors.

REFERENCES (23)

- Jones R, Andrew T, MacColl J. The institutional repository in the digital library. In: The institutional repository: A volume in Chandos information professional series. Jones R, Andrew T, MacColl J, editors. Oxford: Chandos Publishing; 2006:1-30. https://doi.org/10.1016/B978-1-84334-138-3.50001-2
- Beal V. Webopedia: Repository [document on the internet]; Jan 28, 2022 [cited 2024 Dec 06]. Available from:
 - https://www.webopedia.com/definitions/repository/
- 3. Cactus 2000: repōnere [document on the internet]; Dec 07, 2024 [cited 2024 Dec 07]. Available from: https://latin.cactus2000.de/showverb.en.php?verb=reponere
- 4. OpenAire: What are repositories? https://www.openaire.eu/where-can-i-read-more-about-fp7
- 5. Youcontrol: Kyiv Medical University, Private Higher Educational Establishment [document on the internet]; Dec 07, **2024** [cited 2024 Dec 07]. Available from:
 - https://youcontrol.com.ua/catalog/company_details/16478809/
- The Regulation on the Institutional Repository of the Kyiv Medical University, Private Higher Educational Establishment [document on the internet]; Jan 26, 2024 [cited 2024 Dec 09]. Available from: https://kmu.edu.ua/polozhennya-pro-institucijnij-repozitarij-pvnz-kiïvskij-medichnij-universitet/
- 7. Fesenko II. The National Repository of Academic Texts and the Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology. *J Diagn Treat Oral Maxillofac Pathol.* **2024** Nov;8(11):100299.

- https://doi.org/10.23999/j.dtomp.2024.11.100299
- 8. Smith M, Barton M, Bass M, et al. DSpace: An open source dynamic digital repository. D-Lib Mag. 2003 Jan;9(1).
 - https://doi.org/10.1045/january2003-smith
- 9. Wikipedia: DSpace [document on the internet]; Dec 07, **2024** [cited 2024 Dec 07]. Available from: https://en.wikipedia.org/wiki/DSpace
- 10. DSpace [document on the internet]; Dec 07, 2024 [cited 2024 Dec 08]. Available from: https://dspace.org
- 11. Wikipedia: Lyrasis [document on the internet]; Dec 08, **2024** [cited 2024 Dec 08]. Available from: https://en.wikipedia.org/wiki/Lyrasis
- 12. Poltava State Medical University Repository: Library. Regulatory documents. Regulations on the Repository of the Poltava State Medical University [document on the internet]; Dec 08, 2024 [cited 2024 Dec 08]. Available from: https://repository.pdmu.edu.ua/handle/123456789/135
- 13. Tymofieiev OO, Fesenko II, Cherniak OS, Serha OO. Ultrasonographic assessment of masseter muscle region and minimally invasive treatment of postextraction osteomyelitis. J Diagn Treat Oral Maxillofac Pathol. 2023 Apr;7(4):33-38. https://doi.org/10.23999/j.dtomp.2023.4.1
- 14. IRKMU: Dental Faculty. Department of Oral and Maxillofacial Surgery. Scientific articles [document on the internet]; Dec 09, 2024 [cited 2024 Dec 09]. Available from: https://ir.kmu.edu.ua/handle/123456789/318
- 15. IRKMU: Dental Faculty. Department of Oral and Maxillofacial Surgery [document on the internet]; Dec 09, **2024** [cited 2024 Dec 09]. Available from: https://ir.kmu.edu.ua/handle/123456789/72
- 16. Tymofieiev OO, Fesenko II. "No abstract available." Maybe it's a time to integrate abstracts into editorials? J Diagn Treat Oral Maxillofac Pathol. 2023 May;7(5):39-50.

- https://doi.org/10.23999/j.dtomp.2023.5.1
- 17. Fesenko II. The Journal of Diagnostics and Treatment of Oral and Maxillofacial Pathology and history of state registration of the peer-reviewed journals in modern Ukraine: The Law of Ukraine "On Media". J Diagn Treat Oral Maxillofac Pathol. 2023 Dec;7(12):145-164. https://doi.org/10.23999/j.dtomp.2023.12.1
- 18. Tymofieiev OO, Fesenko II. ResearchGate, a scientific social network, which is working as growing database and cannot be ignored neither oral and maxillofacial surgeons nor publishers. J Diagn Treat Oral Maxillofac Pathol. 2021 Jun;5(6):67-68.
 - https://doi.org/10.23999/j.dtomp.2021.6.1
- 19. Fesenko II. The time has come: Journal of Endodontic Microsurgery: a first peer-reviewed open access publication focused on microsurgery in endodontics. J Endod Microsurg. 2022 Dec;1:1-4. https://doi.org/10.23999/jem.2022.1.1
- 20. Tymofieiev OO, Ushko NO, Fesenko II, Tymofieiev OO, Yarifa MO, Cherniak OS. Suppurative mastoid lymphadenitis mimicking mastoiditis: a case report. J Korean Assoc Oral Maxillofac Surg. 2021 Oct;47(5):398-402. https://doi.org/10.5125/jkaoms.2021.47.5.398
- 21. Fesenko II. Bridging the gap: A new publication dedicated to languages and human communication has been launched. Linguist Cues Soc Meaning. 2021 Oct;1(1):1-2.https://doi.org/10.23999/j.lcsm.2021.1.4
- 22. Carlile Butterfield A, Galbraith Q, Martin M. Expanding your institutional repository: Librarians working with faculty. J Acad Lib. 2022 Nov;48(6):102628. https://doi.org/10.1016/j.acalib.2022.102628
- 23. Cullen R, Chawner B. Institutional repositories, open access, and scholarly communication: A study of conflicting paradigms. J Acad Lib. 2011 Dec;37(6):460-470. https://doi.org/10.1016/j.acalib.2011.07.002



РЕДАКЦІЙНА СТАТТЯ

UKRAINIAN LANGUAGE

Редакційна стаття: Інституційний репозиторій Приватного вищого навчального закладу «Київський медичний університет»: Нова база даних відкритого доступу для авторів і рецензованих журналів

Олексій Олександрович Тимофєєв^а, Євген Ігорович Фесенко^{ь,*} та Олена Олександрівна Серга^с

АНОТАЦІЯ

Репозиторій відкритого доступу — це база даних або віртуальний архів, створений для збору, розповсюдження та збереження наукових результатів, таких як наукові статті та набори даних, і надання їх у вільний доступ. Інституційний репозиторій є одним із чотирьох типів репозиторіїв. Цілями даної статті є (1) висвітлити найважливіші пункти Положення про Інституційний репозиторій «Київського медичного університету» (ІРКМУ) та (2) пояснити переваги для авторів і рецензованих журналів від колонізації репозиторію такого типу. Крім того, у цій статті висвітлюється досвід кафедри хірургічної стоматології та щелепно-лицевої хірургії і «Журналу діагностики та лікування оральної і щелепно-лицевої патології» у розміщенні рецензованих статей у цьому репозиторії. Положення про ІРКМУ введено в дію Наказом № 29 від 26 січня 2024 року. У цьому ж році всі структурні підрозділи університету, в тому числі стоматологічні кафедри, підключилися до процесу депонування своїх науково-клінічних робіт. ІРКМУ створено на базі програмного забезпечення з відкритим кодом DSpace, яке підтримує протокол обміну даними Ореп Ассеss Іпітатіче РготосоІ for Metadata Harvesting (ОАІ-РМН), що дозволяє інтегрувати репозиторій до міжнародних реєстрів Реєстру сховищ відкритого доступу (ROAR), Каталогу репозиторіїв відкритого доступу (ОрепDOAR) та інших пошукових систем. Стаття підкріплена скріншотами етапів депонування даних наукових робіт. Карлайл Баттерфілд та його колеги (2022) під-

Тип статті: редакційна стаття.

Для цитування: Tymofieiev OO, Fesenko II, Serha OO. Editorial: Institutional repository of the Kyiv Medical University: A new open access database for authors and peer-reviewed journals. J Diagn Treat Oral Maxillofac Pathol. 2024 Dec;8(12):100300.

На момент публікації даної статті імпакт-фактор (Exaly) журналу становить 0,2. Кожному автору статті нараховуються бали БПР згідно Наказу МОЗ України від 22 лютого 2019 р. № 446.

Манускрипт отриманий 14 грудня 2024 Прийнятий до публікації 18 грудня 2024 Стаття доступна онлайн 25 грудня 2024

https://doi.org/10.23999/j.dtomp.2024.12.100300

© 2024 ТОВ «ОМФ ПАБЛІШИНГ». Вебсайт: https://omfpublishing.com. Це стаття відкритого доступу під ліцензією СС ВУ (https://creativecommons.org/licenses/by-nc/4.0/).

^а Головний редактор; професор, д. мед. н., завідувач кафедри хірургічної стоматології та щелепно-лицевої хірургії ПВНЗ «Київський медичний університет», Київ, Україна. ORCID: https://orcid.org/0000-0002-1807-2470

Відповідальний редактор; доцент, к. мед. н., доцент кафедри хірургічної стоматології та щелепно-лицевої хірургії ПВНЗ «Київський медичний університет», Київ, Україна. ORCID: https://orcid.org/0000-0002-8901-1632

^c Завуч кафедри хірургічної стоматології та щелепно-лицевої хірургії ПВНЗ «Київський медичний університет», Київ, Україна. ORCID: https://orcid.org/0000-0003-1796-989X

^{*} **Кореспонденція**: Редакція журналу, ТОВ «ОМФ ПАБЛІШИНГ». Вул. Сімферопольська 13-A, oфіс 121, Київ, 02096, Україна. E-mail: *i.i.fesenko@dtjournal.org*; *y.fesenko@kmu.edu.ua* Тел.: +38 063 293 18 13

креслили, що, незважаючи на всі переваги, дослідження показує, що може бути доволі важко мотивувати всіх викладачів завантажувати результати своїх досліджень в інституційний репозиторій. Крім того, автори пропонують потенційний шлях максимізації кількості публікацій, які завантажуються в університетський інституційний репозиторій. Вони використовують студентів і ресурси менеджера інституційного репозиторію для завантаження матеріалів. Досвід нашої кафедри полягає в залученні компетентного редактора з редакції журналу з відповідною оплатою послуг. Загалом, проводячи колонізацію цього нового інституційного репозиторію як нової бази даних, автори та рецензовані журнали можуть і збільшуватимуть видимість своїх публікацій. Таким чином, це може принести плоди в плані підвищення цитування як статей, так і журналів також.

КЛЮЧОВІ СЛОВА

Відкритий доступ, інституційний репозиторій, університет, база даних, стаття, публікація.





№ R3M 804 252 B2



Сертифікат відповідності технічного регламенту щодо медичних виробів

Switzerland Aarbergerstrasse 107A, CH-2502 Biel, Phone/Fax +41 323230188 info@u-impl.com www.u-impl.com