



ANNUAL REPORT



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ABOUT US

Global Medical Knowledge Alliance (GMKA) is a non-profit 501(c)(3) organization aiming to improve oncology and surgical care in Ukraine, as well as globally. GMKA was established in 2017 but quickly expanded in 2022 following the war in Ukraine, given the newfound needs of Ukrainian physicians and patients. GMKA is officially represented in both the USA and in Ukraine. The organization's team consists of medical experts from across the globe including physicians from the USA, Ukraine, Italy, Poland, and other countries of the European Union.

GMKA's mission is to provide physicians and patients in Ukraine with open access to peer-reviewed and evidence-based educational resources on medical care to effectively improve quality care and patient healthcare outcomes, even now in the context of war. Since its establishment, GMKA has expanded efforts into medical relief support, delivering medical supplies, and implementing educational and humanitarian projects in the field of medicine.

The GMKA team is developing a modern online platform for physicians and patients that grants access to reliable and credible medical information covering the standards of trauma care, as well as educational materials on cancer care, to sustain quality medical care during this time of war and beyond.

The founders of the organization are Dr. Serguei Melnitchouk and Dr. Nelya Melnitchouk, board-certified practicing surgeons at Harvard Medical School affiliated hospitals, and the director of the Heart Valve program at MGH and program director of the colorectal surgery fellowship at BWH, respectively.

Members of the organization are oncologists, surgical oncologists, general practice surgeons, radiologists, and other specialists who:

- are international experts in their respective fields
- strive to improve the quality of medical services
- conduct active clinical and/or research activities

GMKA materials are written by experts and opinion leaders in their respective specialties who work in leading medical centers across the USA and Europe.

Articles are reviewed by guest editors and experts in the field of medicine and translated by qualified medical translators. The GMKA team has:

- 10+ years of experience
- 200+ published articles
- 200+ authors

STRUCTURE OF THE ORGANIZATION

LEADERSHIP



**SERGUEI
MELNITCHOUK**

MD, MPH, FACS – Co-
Founder/Chairman of
the Board of Directors



**NELYA
MELNITCHOUK**

MD, MSc, FACS – Co-
Founder/CEO



**JENNIFER
DAVIDS**

MD, MSc – Board
member/editor



**IVANKA
KOVALYSHYN**

DO – Board member/
editor



**MIHIR
NAIK**

DO – Board member

ADVISORY BOARD



**MIRUNA
BURK**

Managing Director,
Accenture



**ANDRII
BEZNOSENKO**

MD – Medical Director,
National Cancer
Institute Ukraine



**OLEKSANDR
LINCHEVSKYI**

MD – Thoracic/trauma
surgeon, Deputy
Minister of Health of
Ukraine in 2016–2019

TEAM



**NELYA
MELNITCHOUK**

MD, MSc, FACS –
Founder/CEO;



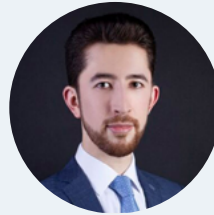
**DARYA
KIZUB**

MD – Director of
Medical Oncology



**SERGUEI
MELNITCHOUK**

MD, MPH, FACS –
Founder/Chairman of
the Board of Directors



**ALI
DZEMILIEV**

MD – Director of the
HealUA platform



**OLEH
VDOVIYAK**

Executive Director of
the GMKA Ukraine



**SOLOMIIA
SEMENIV**

MD – Director of
Surgical Education



**INESA
HUIVANIUK**

MD – Editor-in-chief,
GMKA Ukraine



**GALYNA
SHABAT**

MD – Director of
Patient Education,
Oncology



**NATALIIA
SERBYN**

PhD – Director of the
Supplies and Logistics



**STEPHANIE
COHEN**

MD – Director
of Visual
Communications



**ANDRIY
BOLEHIVSKYI**

Communications
Manager



**OLEKSANDR
STRELKO**

Medical translator



**ANDRII
LUZAN**

Communications
Manager



**VANESSA
M. WELTEN**

MD, MPH – Director of
Patient Education



**MARK
SCHNEYDERMAN**

Project Manager



**POLINA
ZMIJEWSKI**

MD – Director of
Development



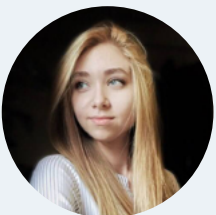
**ARTEM
YEVTUSHENKO**

SEO specialist



**TETYANA
PAVLISHEVSKA**

MD – Medical
translator



**SVITLANA
BIELICHENKO**

MD – Moderator of
the HealUA platform



**SERHII
FROLOV**

MD – Director of
Medical Translation

EDITORS

Faina Nakhlis, MD, Brigham and Women's Hospital, Dana-Farber Cancer Center (Boston, USA) – Editor, Breast Cancer

George Molina, MD, Brigham and Women's Hospital, Dana-Farber Cancer Center (Boston, USA) – Editor, Hepatopancreatobiliary Malignancies

Emily Keung, MD Anderson Cancer Center at the University of Texas (Houston, USA) – Editor, Sarcoma

Elizabeth Lilley, MD Anderson Cancer Center at the University of Texas (Houston, USA) – Editor, Palliative Care

Elie Rassy, MD, Gustave Roussy (France) – Editor, Cancer of Unknown Primary

Jennifer Davids, MD, University of Massachusetts Medical Center (USA) – Editor, Colorectal Cancer

Ivanka Kovalyshyn, DO – Editor, Skin Cancer

Rossanna Pezo, MD, Sunnybrook Health Sciences Center (Toronto, Canada) – Editor, Skin Cancer

Darya Kizub, MD, Anderson Cancer Center at the University of Texas (Houston, USA) – Editor, Breast Cancer

Elise Nassif, MD, Anderson Cancer Center at the University of Texas (Houston, USA) – Editor, Sarcoma

Yevgeniy Semenov, MD, Harvard Medical School – Editor, Skin Cancer

Kristin Sonderman, MD, Brigham and Women's Hospital (Boston, USA) – Editor, Trauma Surgery

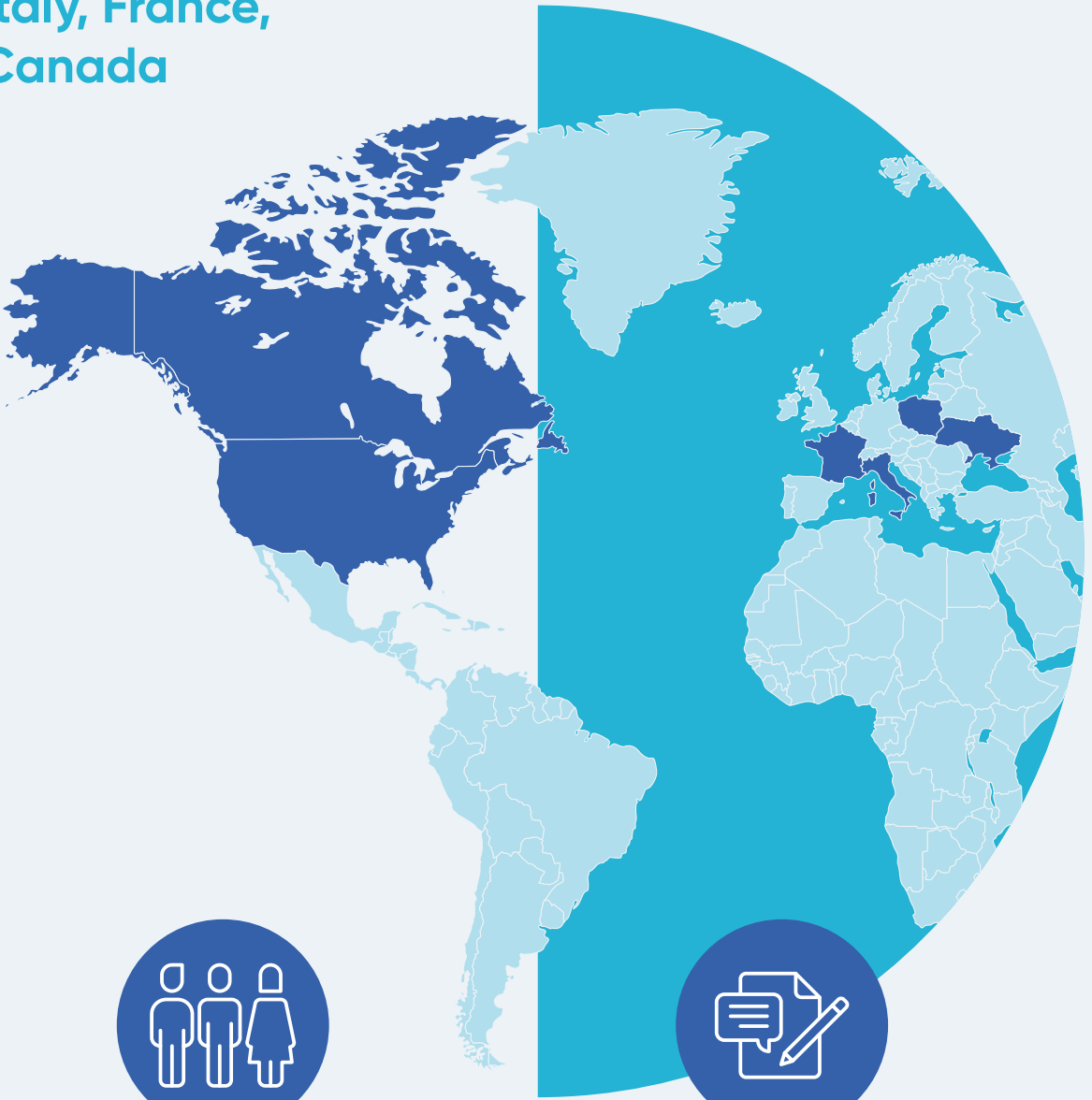
Pamela Lu, MD, Anderson Cancer Center at the University of Texas (Houston, USA) – Editor, Hepatopancreatobiliary Malignancies

Michael Worley, MD, Brigham and Women's Hospital (Boston, USA) – Editor, Gynecology Oncology

Simon Talbot, MD, Harvard Medical School, Brigham and Women's Hospital (Boston, USA) – Editor, Plastic and Reconstructive Surgery

GEOGRAPHY

USA, Ukraine, Poland,
Italy, France,
Canada



30+
active members
of the organization



200+
authors
and editors

KEY ACHIEVEMENTS OF THE YEAR



1 Translation and publication of the trauma care manual: «Advanced Trauma Life Support»

GMKA translated the “Advanced Trauma Life Support” manual with the permission from American College of Surgery, a standardized method to the immediate medical intervention and management of victims of traumatic events, into Ukrainian. Now, with this resource, Ukrainian medical clinicians are better equipped to approach the treatment of trauma patients and ensure quality care is provided to save lives.



2 Opening of GMKA office in Ukraine

This allowed the organization to increase its institutional capacity, provide humanitarian aid and conduct needs assessments.



3 Organization of internships in the USA for Ukrainian doctors

In cooperation with our partner HUG and the Harvard SAR program at Harvard University, Ukrainian clinicians are invited to the USA to study at Harvard affiliated hospitals, developing newly acquired knowledge and skills, and learning under committed mentors and supervisors. The goal is to bring this new knowledge back to Ukraine and foster rebuilding and advancement in healthcare.



Partnership with international companies, central executive authorities, and medical institutions

GMKA collaborates with a variety of partners to drive innovation and quality improvement in cancer care. Through partnership with our international affiliates Accenture and Palantir, GMKA is implementing more efficient data collection from e-Health to develop user-friendly dashboards for improved analysis of patient data and comparison of cancer treatment progress, following NCCN guidelines. Further, GMKA creates and disseminates peer-reviewed and translated educational resources through partners including the Ministry of Health (MOH) of Ukraine, to provide guidelines on standard cancer care.



Launching a project to translate and disseminate the “Deployed Medicine” guidelines for military surgeons

Now in the hands of Ukrainian clinicians on the frontlines, the “Deployed Medicine” guidelines contain the most up-to-date information on the surgical care and operative treatment of trauma injuries. With this resource, Ukrainian physicians are better able to deliver quality trauma treatment and care. At the end of 2022, GMKA formed a team that is actively implementing this project under the leadership of Dr. Oleksandr Linchevskyi, GMKA advisor on surgery and previous Deputy Minister of Health of Ukraine (2016–2019)



Launch the HealUA mobile application

HealUA is an online platform that connects Ukrainian physicians with one another and with their professional colleagues from around the world. Using this application, Ukrainian

doctors can communicate about patient care concerns and receive recommendations and additional information necessary to make a diagnosis and further determine a patient's course of treatment.



Development of the Ukrainian version of the Safe Delivery App – a mobile application with advice for obstetricians and gynecologists

At the request of the Maternity Foundation of Denmark, GMKA participated in the preparation of the Ukrainian version of the mobile application on safe childbirth. The application contains clinical guidelines and animated instructions for providing medical care for the most common complications related to pregnancy and childbirth.



Partnership with Harvard Humanitarian Institute and International Medical Corporation

Through this unique partnership, a comprehensive training program on trauma care and management was developed for civilians, medical professionals, and military medics. The training included instructions on trauma care:

- at the pre-hospital stage;
- in case of mass casualties, as well as preparation of the medical facility to receive victims;
- in case of chemical, biological, radiological, and nuclear attacks, as well as victims of blast injuries.

In addition, Advanced Trauma Life Support, Stop the Bleed and Trauma education for nurses were taught.

This educational program aims to increase the effectiveness of providing trauma care in Ukraine as the war continues and the violence escalates.

EVENTS

ALL ORGANIZED OR ATTENDED BY GMKA MEMBERS



Presentations at surgical grand rounds at Massachusetts General Hospital and Brigham Women's Hospital (Boston, USA)



Organization of a webinar on cancer screening for family doctors in Ukraine



Conducting ATLS training in Kyiv and Dnipro for physicians



Conducting Stop the Bleed training in Kyiv for civilians



Conducting trainings in Rivne, Lutsk and Krakow on the treatment of patients with polytraumas



Presentation within the Oncology Forum «OncoHUB»



Presentation at the World Oncology Congress



Presentation at the National Academy of Medical Sciences of Ukraine



Participation in the charity race «Race for the Cure»



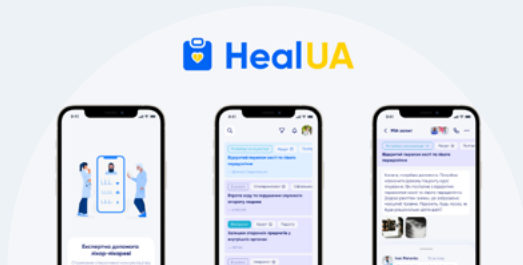
Co-organization the course on providing aid for injuries sustained as a result of hostilities

PROJECTS

HealUA mobile application

HealUA is a mobile application that provides a platform for Ukrainian physicians to connect with one another and with their colleagues abroad. Through use of the application, Ukrainian physicians can consult peer-to-peer with specialists regarding patient diagnoses and treatment, thereby enhancing decision-making and improving healthcare outcomes. The application was created to improve medical care for Ukrainian patients, especially at this time of war.

HealUA is an important digital tool for therapists, family doctors, pediatricians, dermatologists, surgeons, oncologists, and other specialists who must provide healthcare in unfavorable conditions, with limited resources and without the support of medical professionals in specific medical specialties.



The application can be downloaded from the App Store/Play Market via the link: onelink.to/healua or accessed by the following QR code.



Cancer care during the war

GMKA systematically works to support oncologists and cancer patients in Ukraine, particularly by providing access to expert resources on prevention, diagnosis, treatment, and supportive care for a wide variety of cancers.

In conjunction with the companies «Accenture» and «Palantir», GMKA is developing modern digital solutions to improve the quality of treatment of oncological diseases. Our joint work and collaborative efforts will result in an analytical platform to evaluate data directly from the electronic eHealth system. The advantage of this approach is creation of user-friendly dashboards that provide transparent assessments and recommendations based on guideline concordant care, wait times, treatment pathways, survival, and compliance with National Comprehensive Cancer Network (NCCN) requirements.

It is expected that high-quality data analytics in the field of oncology will become an important prerequisite for increasing the effectiveness of the Ukrainian oncologic care system during the war and after the Ukrainian victory.

«Aid for Ukraine» – aid to Ukrainian doctors during the war



GMKA is in close communication with combat medics, evacuation teams, front-line facilities, and hospitals providing both stabilization and treatment of injured civilians and Ukrainian military personnel. Due to the assistance of two volunteer organizations in the USA - Heal Ukraine Group (HUG) and Lake Country Medical Aid (LCMA) for Ukraine - the procurement of high-quality medical equipment, tools, consumables, and medicines is ongoing. The GMKA team communicates regularly with clinicians on the ground in Ukraine, relays the most pressing needs to HUG members and, in turn, the LCMA board. GMKA works with HUG to prioritize most urgently needed medical supplies and secure financial support from LCMA

and other funders. A network of vetted volunteers then ensures fast and reliable delivery of necessary items across all regions of Ukraine via tested and validated pathways.

Training of Ukrainian doctors and interns

In an effort to reduce the long-term, far-reaching consequences of the war on Ukraine's healthcare system, GMKA in partnership with the Heal Ukraine Group (HUG) and the Harvard Scholars at Risk (SAR) program at Harvard University has established an initiative to sponsor medical practitioners from Ukrainian academic institutions for observerships at Harvard-affiliated hospitals. Through this program, Ukrainian medical practitioners are provided access to targeted trainings, educational seminars, and observed medical cases in specific areas of learning that address medical education disrupted by Russia's invasion of Ukraine. Back in Ukraine, participating clinicians then disseminate the knowledge acquired to fill the gap for fellow colleagues. The program was organized in 2022 and a portion of the first group of Ukrainian doctors selected for participation are already studying in the USA.



SUPPORT OF UKRAINIAN DOCTORS DURING THE WAR

ASSISTANCE IN THE AMOUNT OF \$189,000 WAS PROVIDED THROUGHOUT THE YEAR.

To support the needs of doctors in Ukraine, in 2022 GMKA supplied:

-  **500+** surgical instruments
-  **400+** kits to stop bleeding
-  **400+** tourniquets
-  **300+** catheters, suture material, other consumables
-  **50+** surgical staplers
-  **30+** devices for vacuum therapy of wounds
-  **15+** surgical lights and magnifiers
-  **10** portable ultrasound devices
-  **2** cardio monitors
-  **4** electrocoagulation devices
-  **1** ventilator
-  **1** infusion machine
-  **1** laryngoscope





WHERE WAS THE ASSISTANCE DELIVERED TO?

Members of the organization conducted training for:



>50
surgeons



>50
family physicians



>100
paramedics
and combat medics

GMKA IN THE MEDIA



BBC News:

<https://youtu.be/P7uQqVY6MsA>



The Washington Post:

www.washingtonpost.com/nation/2022/03/15/melnitchouk-stop-the-bleed-ukraine



The Hill:

www.thehill.com/opinion/healthcare/3480906-saving-lives-preserving-ukrainian-health-care-to-combat-putins-kill-twice-effect

www.thehill.com/opinion/international/3771258-ukraines-dunkirk-moment-small-ngos-need-help-to-avert-a-humanitarian-disaster



American College of surgeons:

www.facs.org/for-medical-professionals/news-publications/news-and-articles/press-releases/2022/stb-ukraine



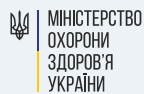
Boston.com:

www.boston.com/news/local-news/2022/03/10/local-doctors-teach-ukrainians-to-treat-traumatic-bleeding



The cancer letter:

www.cancerletter.com/guest-editorial/20220805_2



Ministry of Health of Ukraine:

www.moz.gov.ua/article/for-medical-staff/opublikovano-ukrainskij-pereklad-atls-%e2%80%93-posibnika-dlja-nadannja-medichnoi-dopomogi-pri-travmah



The Harvard Gazette:

www.news.harvard.edu/gazette/story/2022/06/memories-of-air-raid-sirens-bombed-out-tanks-near-kyiv

www.news.harvard.edu/gazette/story/2022/04/hms-physicians-share-personal-stories-assistance-efforts



Cision:

www.newswire.ca/news-releases/new-cancer-information-resources-for-people-of-ukraine-from-nccn-895490056.html





45 thousand

unique visitors to the organization's website

1		Ukraine	33,326
2		USA	5,511
3		Poland	1901
4		Germany	617
5		Ireland	313

Statistics for articles published in 2022 on gmka.org

FOR DOCTORS 118

Oncology

23 15 In English / 8 In Ukrainian

Trauma and Urgent Care

95 40 In English / 55 In Ukrainian

FOR PATIENTS 30

30 12 In English / 18 In Ukrainian

TOP-5 publications by the number of views on the site:

- ★ Primary survey in trauma **14,548**
- ★ Respiratory tract and ventilation in trauma **4,181**
- ★ Chest injury **2,313**
- ★ Pediatric injuries **1,723**
- ★ Abdominal and pelvic injury **1,678**

Social network presence:

- Facebook (www.facebook.com/gmka.org)..... **> 14 thousand**
- Instagram (www.instagram.com/gmka_org)..... **~ 4 thousand**
- YouTube (www.youtube.com/@gmka_org) **> 500 subscribers**
- Mailchimp **> 700 individuals**

FINANCES



PROFITS:

Contracts	\$134,336
Donations from organizations	\$124,000
Donations from individuals	\$91,693
In-kind donations	\$73,000
Grants	\$39,755



EXPENSES:

Humanitarian aid to Ukrainian hospitals	\$116,039
Creation and support of educational platform and materials	\$45,231
IT services	\$10,751
Fundraising	\$4,495
Administrative expenses	\$2,351
Printing services	\$200
Other	\$401



PARTNERSHIPS



CONTACTS



www.gmka.org



facebook.com/gmka.org



instagram.com/gmka_org



youtube.com/@gmka_org



t.me/gmka_org



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linkedin.com/company/89813520



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