

## NATIONAL AGENCY FOR PUBLIC HEALTH REPUBLIC OF MOLDOVA



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# HYGIENIC METHOD FOR ASSESSING THE PERCEPTION OF WORKING CONDITIONS AND HEALTH STATUS AMONG WORKERS IN THE GARMENT INDUSTRY

Authors:

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**Obiectives:** 

**Solutions:** 

Developing and applying a hygienic method for assessing the perception of working conditions, health status, and the level of awareness of occupational risks among workers in the garment industry.

The method represents a valuable tool that offers a comprehensive approach that integrates the evaluation of knowledge, attitudes, and behaviors related to occupational health risks. This method not only provides valuable insights into how workers perceive and respond to workplace hazards but also aids in designing more effective, tailored interventions to improve their overall health and safety. By fostering a culture of awareness and prevention, the Hygienic Method helps create a safer, healthier, and more equitable working environment for all employees, particularly those in vulnerable groups.

Advantages:

This approach is particularly beneficial as it provides a comprehensive understanding of the work environment by considering experiences of the workers themselves. It emphasizes the workers' own views, understanding, and experiences of their workplace environment and how they believe it impacts their health. By capturing psychological and emotional aspects of health, as well as workers' perceptions of their environment, the method enables the development of targeted interventions that improve both physical and mental health outcomes. Furthermore, by fostering a participatory approach, it helps build a culture of safety and empowerment within the workplace, ultimately leading to better health, safety, and productivity outcomes for all employees. By incorporating these subjective assessments, the Hygienic Method provides a unique perspective on occupational health that can complement other forms of evaluation and lead to more comprehensive interventions.

Aim of application:

The Hygienic Method could be used by employers, occupational health professionals, researchers, trade unions, government agencies, and NGOs to assess workers' perceptions of working conditions and health status in order to identify risks, promote a safer and healthier work environment and improve workplace safety and well-being the garment industry.

Implimentation



The hygienic method for assessing the perception of working conditions and health status among workers in the garment industry adopts a participatory and qualitative approach. It involves the systematic collection of subjective data through structured surveys, interviews, and focus group discussions, emphasizing the active involvement of workers. This method prioritizes employees' perceptions to identify potential occupational hazards, stressors, and health concerns that may not be evident through traditional objective assessments. By fostering collaboration between workers and management, it facilitates a comprehensive understanding of workplace challenges. The participatory nature of this method ensures that the evaluation is reflective of workers' experiences, promoting inclusivity and trust. The findings are instrumental in designing targeted interventions aimed at improving occupational health and safety within the industry. Over time, this approach can contribute to significant reductions in occupational injuries and illnesses, improving both individual well-being and overall organizational performance. This approach supports the sustainable improvement of working conditions and fosters long-term occupational health and well-being among garment industry workers.



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# 101 QUESTIONS AND ANSWERS ABOUT ENDOCRINE DISRUPTORS

### Authors:

lurie Pinzaru, MD, DHM, Vladimir Bernic, MD, PhD, Miron Inga, MD, PhD, Kristina Stinca, MD, Roman Coreţchi, MD

#### Objective:

#### Solution:

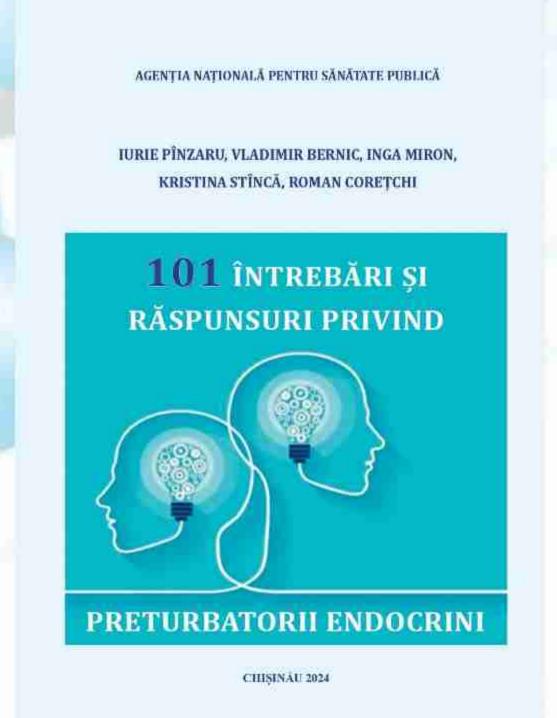
The goal of this work is to provide the public with an accessible, well-documented, and easy-to-understand guide on endocrine

It represents an innovative public education tool designed to raise awareness about endocrine disruptors and encourage the adoption of preventive behaviors among the population.

#### Advatages:

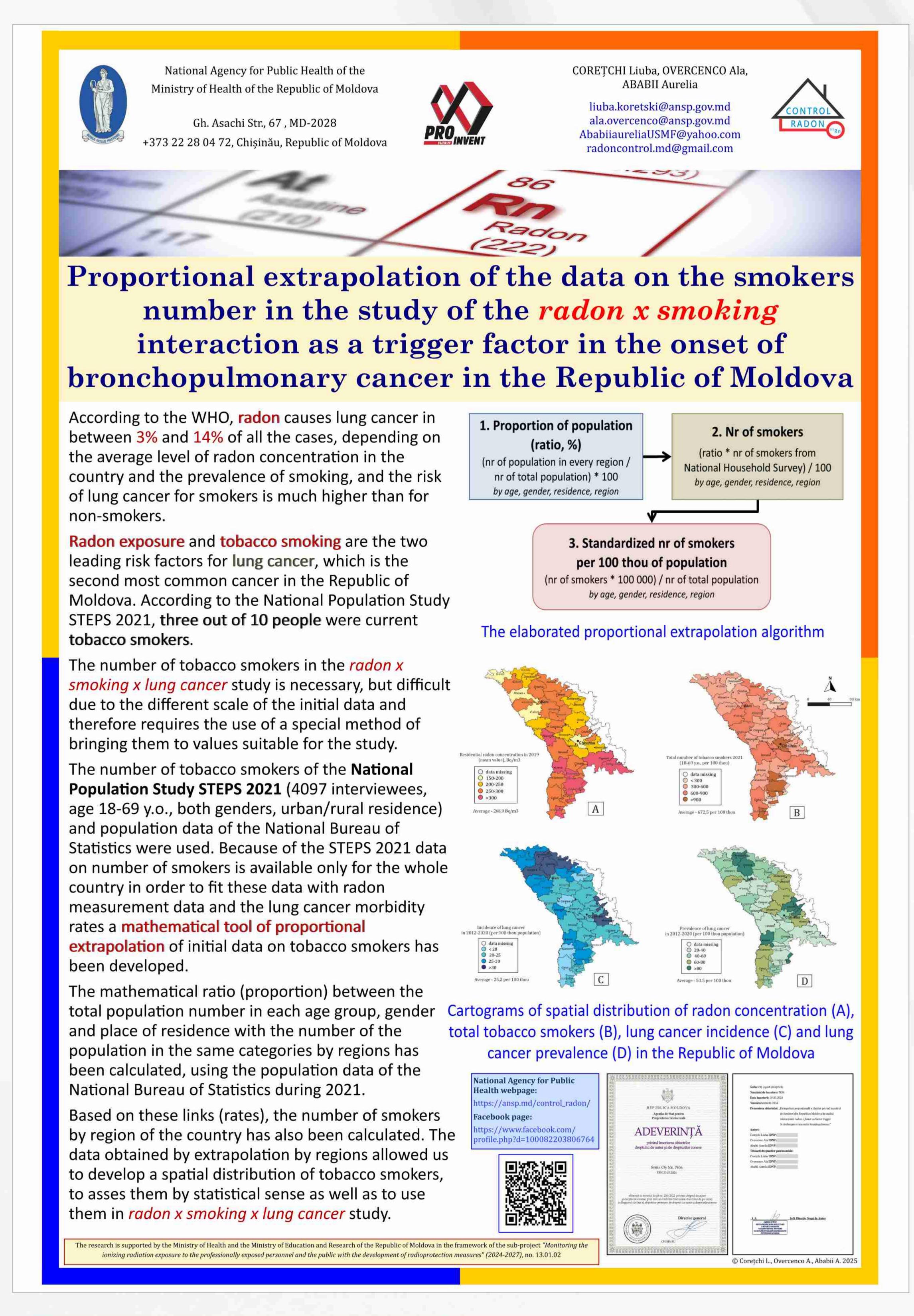
Organized in the form of a set of 101 questions and answers, this material aims to address the most common questions related to chemicals that disrupt the endocrine system, explaining in simple terms the risks to which we are exposed daily and practical measures to reduce their impact on health. Proper information and the application of preventive strategies will not only contribute to protecting public health but will also reduce the burden that endocrine disruptors place on public health systems.

### Implementation:



The practical value of the guide is undeniable, offering direct and effective solutions for protecting public health by preventing exposure to endocrine disruptors. Understanding the main sources of exposure to endocrine disruptors and how they function can help the public make healthier choices in daily life.



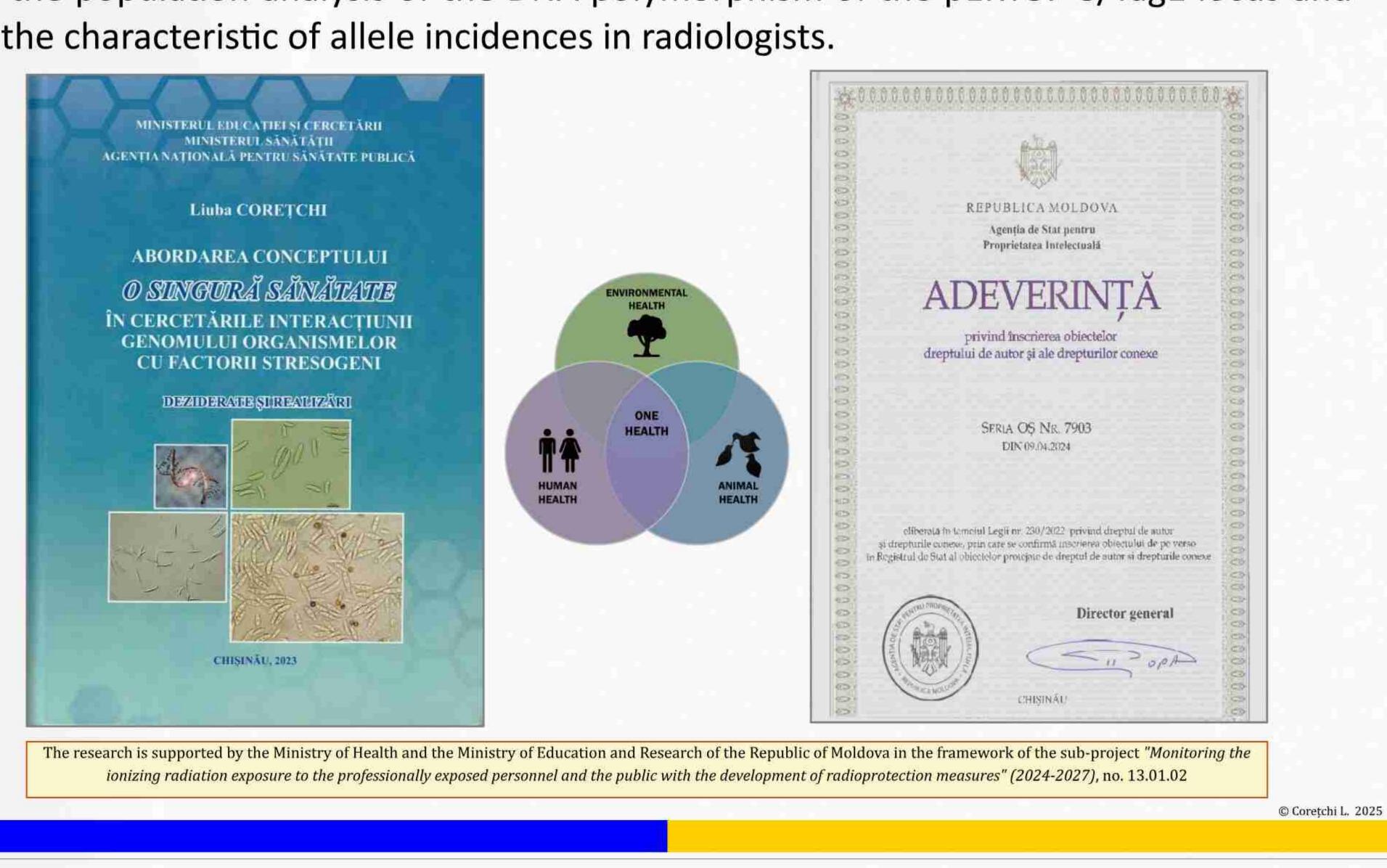




#### THE APPROACH OF THE "ONE HEALTH" CONCEPT IN RESEARCH ON THE INTERACTION OF THE GENOME OF ORGANISMS WITH FACTORS STRESSORS

The monography presents the results of our own investigations, but also the data from the literature regarding the actuality of the "One Health" concept, the major global biological risk caused by the evolution of virulence in the interactions of microorganisms with the human/animal/plant genome. There are described:

- ◆ the role of genetic interactions in "genotype x pathogen x environment" pathosystems in various types of animal and plant organisms; the interaction of microorganisms with radionuclides;
- ♦ the role of microorganisms in the remediation process of soils polluted with radionuclides and hydrocarbons;
- ♦ the influence of the long-term administration of secondary metabolites (essential oils) in small doses on the immune reaction and the sensitivity of animal organisms to the action of ionizing radiation;
- genetic control of the resistance of agricultural crops to phytopathogens;
- ♦ the genetic-molecular polymorphism of the genotypes of some agricultural crops resistant to phytopathogens;
- the population analysis of the DNA polymorphism of the pERT87-8/Tag1 locus and the characteristic of allele incidences in radiologists.



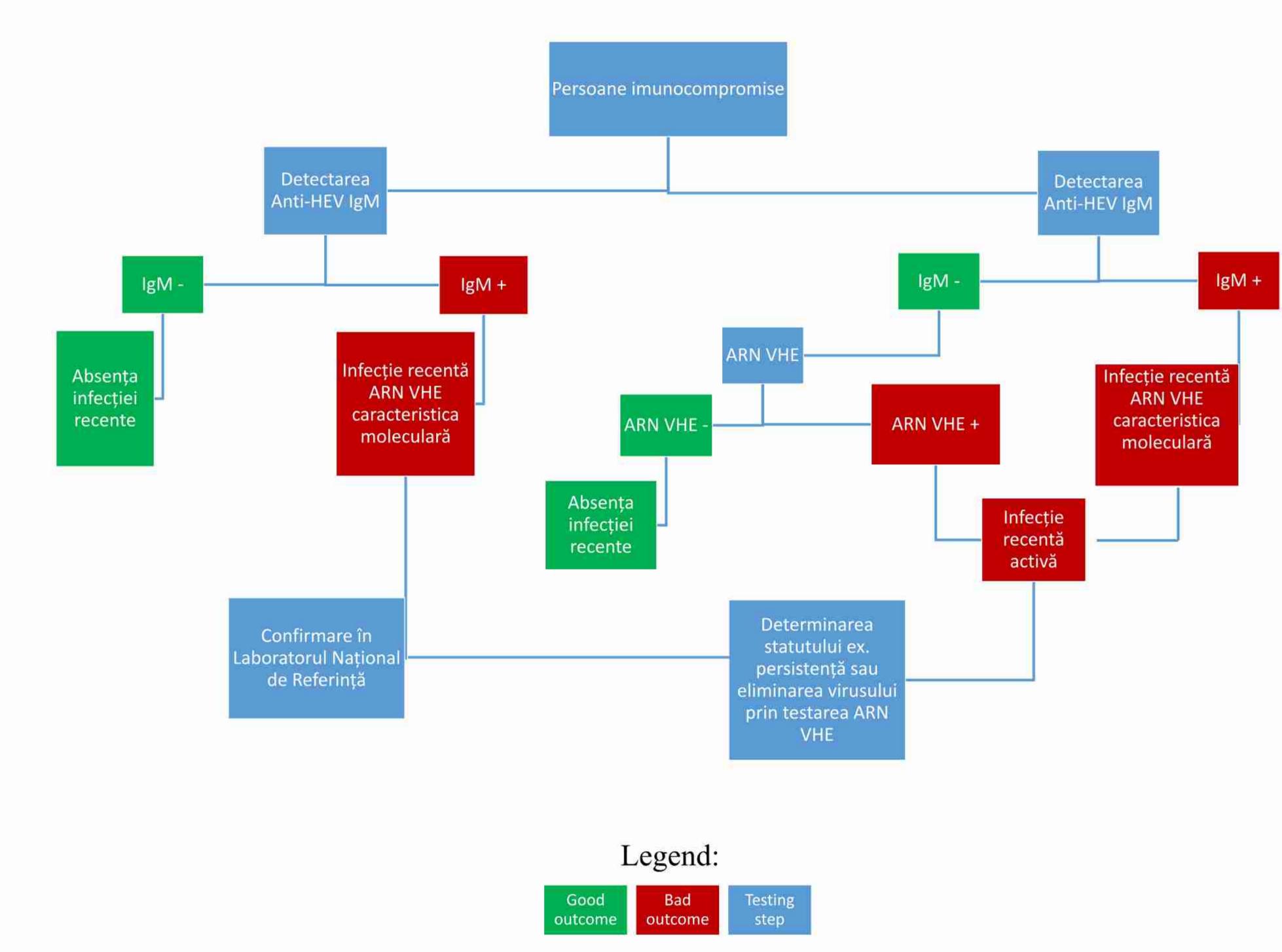




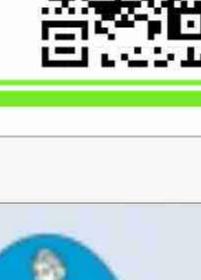
### Metodă de testare a sângelui de la persoanele imunocompromise la markerii hepatitei virale E

Depozit de brevet nr. S 2024 0087 din 06.09.2024 Autori: Sajin Octavian, Iziumov Nina, Paraschiv Angela, Țurcanu Adela, Holban Tiberiu, Blaj Valentina

Invenția poate fi utilizată pentru testarea sângelui persoanelor imunocompromise la markerii ai hepatitei virale E (HVE), cu scopul de a preveni infecția cu virusul hepatitei E. Metoda constă în faptul că prezența markerilor IgG și IgM anti-HEV este determinată în sângele persoanelor imunocompromise, inclusiv la pacienții hemodializați, utilizând testul ELISA, cu modificări în secvențele investigațiilor în procesul de efectuare a reacției imunoenzimatice și, în plus, se efectuează testul PCR pentru ARN-ul HEV la persoanele nominalizate testate pozitiv pentru IgM anti-HEV, iar în cazul unui test ARN pozitiv, se stabilește diagnosticul de HVE la persoanele imunocompromise.



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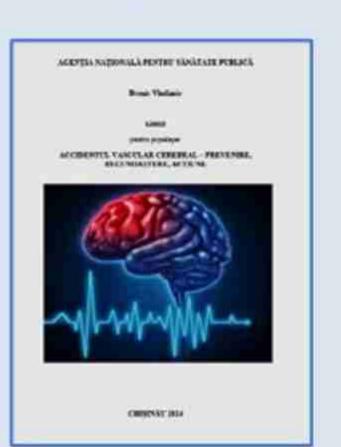




#### AGENȚIA NAȚIONALĂ PENTRU SĂNĂTATE PUBLICĂ REPUBLICA MOLDOVA NATIONAL AGENCY FOR PUBLIC HEALTH REPUBLIC OF MOLDOVA

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Autor: BERNIC VLADIMIR, doctor în științe medicale, conferențiar cercetător

AGEPI: Seria OŞ, nr. 8173 din

02.05.2025

Înregistrat

**Obiective:** 

Lucrarea are drept obiectiv reducerea poverii accidentului vascular cerebral prin educarea populației, creșterea gradului de conștientizare și promovarea măsurilor de prevenție și intervenție rapidă

Soluția:

Se propune un instrument practic, structurat și accesibil, care oferă informații clare și ușor de înțeles pentru populație. Conținutul său acoperă principalii factori de risc ai AVC, recomandările de prevenție bazate pe dovezi științifice, modul corect de recunoaștere timpurie a simptomelor și pașii exacți de urmat în situații de urgență.

Avantaje:

Lucrarea se distinge prin caracterul aplicativ, limbajul clar, accesibilitatea pentru publicul larg și impactul potențial în reducerea incidenței și consecințelor AVC. Prin prezentarea într-un format simplu și atractiv, ghidul devine un suport util nu doar pentru informare, ci și pentru formarea unor comportamente sănătoase și pentru încurajarea unei reacții rapide în fața semnelor de AVC.

Domeniul de aplicare:

Ghidul este destinat populației generale, comunităților locale și programelor de sănătate publică, constituind un instrument valoros pentru educație, prevenție și acțiune rapidă.

Implementare:

Aplicarea ghidului presupune diseminarea lui prin rețele de sănătate publică, instituții medicale, școli, organizații comunitare și platforme online. Totodată, poate fi integrat în campanii de sensibilizare, sesiuni educaționale și activități de instruire pentru grupuri-țintă. Această abordare asigură o acoperire extinsă și facilitează adoptarea mesajelor de prevenție la nivel populațional.



Hygienic (hygienic characterization of the working conditions of the professional exposed to IR).

- Epidemiological (analysis of the structure of general and oncological morbidity).
- Statistics: SPSS, STATISTICA10, EPIINFO.

#### **Expected results**

- → Monitoring of the annual average individual effective doses of those professionally exposed to ionizing radiation during the period y.y. 2023-2027.
- → Detecting and analyzing cases of over-irradiation of professionally exposed personnel exceeding the maximum allowed dose (20 mSv/year) according to the "Fundamental Norms of Radioprotection. Hygienic Requirements and Rules" (NFRP-2000).
- → Determination of the radiation dose rate in the air from the offices equipped with radiological devices.
- → The level of interaction between the incidence/prevalence of oncological diseases, in relation to exposure to ionizing radiation at work, will be established.
- → The hygienic criteria for evaluation and classification of working conditions in the activities of using sources of ionizing radiation will be substantiated.
- → In collaboration with the specialists from practice and from ANRANR, the Register of Professional Exposures to IR will be developed.

The research is supported by the Ministry of Health and the Ministry of Education and Research of the Republic of Moldova in the framework of the sub-project "Monitoring the ionizing radiation exposure to the professionally exposed personnel and the public with the development of radioprotection measures" (2024-2027), no. 13.01.02 and Bilateral project with Romania 2024-2026 "Increasing the digital capacity of data flow between Romania and the Republic of Moldova regarding the monitoring of soil radioactivity and radon" Project code: PN-IV-P8-8.3-ROMD-2023-0241.

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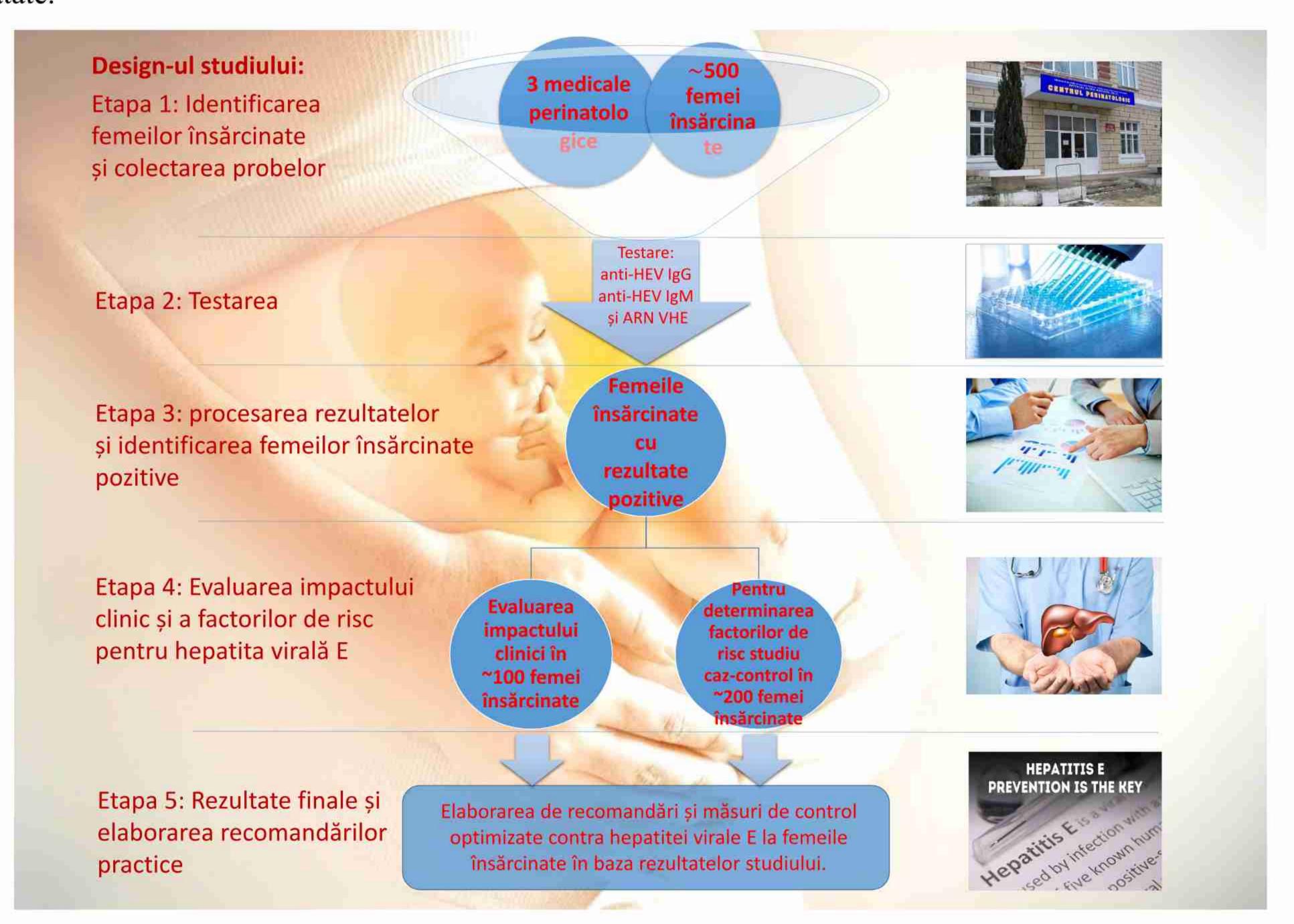




# Evaluarea prevalenței și riscurilor asociate infecției cu virusul hepatitei E la femeile însărcinate (2024-2027)

Autori: Sajin Octavian, Iziumov Nina, Blaj Valentina

Proiectul de evaluare a seroprevalenței virusului hepatitei E (VHE) la femeile însărcinate din Republica Moldova reprezintă un efort de cercetare inovator, marcând prima investigație națională la scară largă în acest domeniu. Obiectivele studiului includ evaluarea prevalenței infecției cu VHE, analiza impactului acesteia asupra sănătății materne și fetale, identificarea factorilor de risc asociați și evaluarea eficacității măsurilor de prevenire și control. Importanța proiectului este substanțială, abordând o lacună importantă în cercetarea hepatitei virale E și oferind informații esențiale pentru adaptarea măsurilor de control și îmbunătățirea sănătății publice. Studiul va utiliza metode imunologice ELISA pentru determinarea markerilor VHE, împreună cu chestionare și analiza dosarelor medicale, cu analize statistice care să susțină interpretarea datelor. Rezultatele anticipate își propun să ofere date precise privind prevalența infecției, să identifice factorii de risc relevanți și să evidențieze caracteristicile clinice, contribuind astfel la optimizarea măsurilor preventive și la îmbunătățirea sistemului de sănătate.



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