

CONTENTS

ASSESSMENT AND CORRECTION OF CARDIOVASCULAR DISEASE RISKS IN COMBINED PATHOLOGY – PREREQUISITES FOR PUBLIC HEALTH

Chapter 1

Pathogenetic interrelationships between chronic obstructive pulmonary disease and cardiovascular pathology: mechanisms of mutual aggravation and risk stratification (Bakalets O. V.)	2
1. The Role of Neuromechanical Dissociation in the Development of Dyspnea in COPD.	5
2. Molecular and Hemodynamic Aspects of the Development of the Cardiorespiratory Continuum in Chronic Obstructive Pulmonary Disease.	13

Chapter 2

Cardiometabolic Medicine: An Integrated Approach to Cardiorenal Metabolic Syndrome (Korzh O. M.)	25
1. Pathophysiological Mechanisms of Cardiorenal Metabolic Syndrome.	26
2. Clinical Stratification, Diagnosis, and Biomarkers of Cardiorenal Metabolic Syndrome.	31
3. Current Therapeutic Approaches and Pharmacological Intervention.	36

Chapter 3

Endocrine Aspects of Arterial Hypertension: The Role of Thyrotoxicosis (Tkachuk V. V.)	50
1. Thyrotoxicosis: etiological structure and epidemiological characteristics.	52
2. Diffuse toxic goiter as a leading factor of thyrotoxicosis: clinical and diagnostic features and pathogenesis of secondary arterial hypertension.	53
3. Toxic adenoma of the thyroid gland: mechanisms of functional autonomy and differential diagnostic criteria.	65

METHODS FOR ASSESSING CARDIOVASCULAR DISEASE RISKS IN CURRENT RECOMMENDATIONS FROM INTERNATIONAL AND NATIONAL ASSOCIATIONS AND SOCIETIES, AND THE EFFECTIVENESS OF THEIR IMPLEMENTATION AT VARIOUS STAGES OF MEDICAL CARE

Chapter 4

The effectiveness of diagnostic, therapeutic and preventive recommendations in providing medical care to naval and maritime industry workers with cardiovascular diseases (Panyuta O. I., Ignatiev O. M., Turchin M. I.) **70**

1. Materials and methods	72
2. Results	72
3. Discussion	79

THE EFFECTIVENESS OF NON-PHARMACOLOGICAL CORRECTION OF CARDIOVASCULAR DISEASE RISKS UNDER VARIOUS PATHOLOGICAL CONDITIONS

Chapter 5

Effectiveness of non-pharmacological reduction of cardiovascular risks in various pathological conditions (Perepeliuk M. M.) **87**

1. Basic Non-Pharmacological Strategies for Reducing Cardiovascular Risk. Nutrition	88
2. Physical Activity and Sedentary Behavior	92
3. Therapeutic Weight Management and Metabolic Rehabilitation	95
4. Smoking Cessation	97
5. Sleep and Psychosocial Factors	98
6. Evaluation of the Effectiveness of Non-Pharmacological Strategies and Improvement of Adherence	99

Chapter 6

The role of daily physical activity and self-monitoring in reducing cardiometabolic risks: the potential of rehabilitation medicine (Iushkovska O. G., Kitsis A. G.) **105**

1. Pathophysiological mechanisms underlying the development of cardiovascular risks	107
2. Daily physical activity as a tool for primary and secondary prevention	110

3. Clinical study of the impact of additional daily physical activity on functional parameters in patients with cardiometabolic risks.	115
--	-----

INCLUSIVE MEDICAL AND EDUCATIONAL ENVIRONMENT: AN INTERDISCIPLINARY APPROACH TO EDUCATIONAL AND SOCIO-PSYCHOLOGICAL INCLUSION OF PEOPLE WITH DISABILITIES

Chapter 7

Program of Social and Psychological Rehabilitation of Combatants with PTSD Using Canine-Assisted Therapy (Kravchenko O. O.)	123
1. Canine-Assisted Therapy as a Method of Social and Psychological Rehabilitation of Military Personnel and Veterans.	124
2. Program of Social and Psychological Rehabilitation Using Canine-Assisted Therapy.	125
3. Algorithm of Professional Activity of a Canine-Assisted Therapy Specialist in Social and Psychological Rehabilitation	128
4. Areas of Rehabilitation Activity within the Framework of Canine-Assisted Therapy.	140

Chapter 8

Integration of Clinical Competence in Dental Education: Preparation for Differential Diagnosis and Therapy in Patients with Disabilities (Semenov D. M.)	146
1. Theoretical and Methodological Foundations of Integrating Clinical Competence in Dental Education within an Inclusive Approach	148
2. Clinical Features of Differential Diagnosis and Therapy of Dental Diseases in Patients with Disabilities.	153
3. Socio-Psychological and Educational Mechanisms for Preparing Future Dentists to Work with Patients with Disabilities.	158

Chapter 9

Accessibility of Dental Services for People with Disabilities: An Interdisciplinary Approach to the Prevention of Cardiovascular Complications (Sydor O. V.)	169
1. Theoretical and Methodological Foundations for Studying the Accessibility of Dental Services for People with Disabilities in the Context of Preserving Somatic Health	172
2. Clinical Significance of Oral Health in the Prevention of Cardiovascular Complications in People with Disabilities.	179

3. Socio-Psychological, Organizational, and Interdisciplinary Mechanisms for Ensuring Accessibility of Dental Care for People with Disabilities. . . .	185
--	-----

Chapter 10

Educational and Inclusive Models in Disaster Medicine: Preparation for the Therapy of Cardiovascular Complications in Patients with Neurocognitive Disorders (Chemerys Yu. O.)	198
---	------------

1. Theoretical and Methodological Foundations of Educational and Inclusive Models in Disaster Medicine in the Context of Managing Patients with Neurocognitive Disorders	202
--	-----

2. Clinical Features of Cardiovascular Complications and Therapeutic Care in Patients with Neurocognitive Disorders under Disaster and Crisis Conditions	208
--	-----

3. Educational, Communicative, and Inclusive Organizational Mechanisms for Training Medical Professionals to Work with Patients with Neurocognitive Disorders in Disaster Medicine	214
--	-----

Chapter 11

Clinical Strategies for Adapting Dental Therapy for Patients with Neuromuscular and Sensory Disorders: A Psychoeducational Approach to Inclusive Care (Chertov S. O.)	227
--	------------

1. Theoretical and methodological foundations of inclusive dental care	230
--	-----

2. Clinical and social characteristics of patients with neuromuscular and sensory disorders	240
---	-----

3. Barriers to the organization and implementation of dental therapy	248
--	-----

**THE ROLE OF TREATMENT ADHERENCE
IN THE PREVENTION OF CARDIOVASCULAR
DISEASE RISKS UNDER VARIOUS DISEASES**

Chapter 12

The impact of treatment adherence on cardiovascular risk factors in patients with hypertension with concomitant diabetes mellitus and chronic obstructive pulmonary disease (Voloshyna O. B., Zubok E. A., Buriachkivskiy S. E.)	262
---	------------

1. The impact of treatment adherence on cardiovascular risk factors in patients with hypertension with concomitant diabetes mellitus and chronic obstructive pulmonary disease	265
--	-----

2. Analysis of the main causes of treatment adherence violations in patients with arterial hypertension in combination with type 2 diabetes mellitus and chronic obstructive pulmonary disease	
--	--

and formulation of the task to study the impact of treatment adherence correction in reducing cardiovascular risk	268
3. Effectiveness of correcting the main causes of treatment non-adherence in patients with arterial hypertension combined with diabetes mellitus and chronic obstructive pulmonary disease	273