# Тестові завдання до заняття «Обмін енергії»

Complete following sentence: The operation	under general anesthesia was
very complex.	
breakdown	
location	
surgery	
performance	
performation	
Complete following sentence: Mike	_ his ward round by 9 o'clock.
have finished	
had finish	
have finish	
had finished	
were finished	
Complete following sentence: I shall be back I in a patient's case history.	by six, and I hope you will
has filled	
was filled	
will filled	
have filled	
shall filled	
Choose the correct tense form: Heart transplanta	tion routine procedure.
have become	
has became	
have became	
have becomed	
has become	
Insert the letter: path_ays.	
V	
У	
W	
u	
c	
Give the translation for: "дихання"	
Inspiration	
Respiration	
Respirator	
Discontinuation	
Interaction	

Give the translation for: "легені" Bladders
Lungs
Intestines
Sites
Pharynx
That yhx
Give the translation for: "входити"
Exit
Entrance Encounter
Exist
Enter
Enter
Give the translation for: "вуглекислий газ" Carbonhydrate
Carbonated aminase
Carbon dioxide
Carboxylation
Carbon oxygen
Give the translation for: "лимонна кислота"
Citrin acid
Citron acid
Lime acid
Citric acid
Lemon acid
Complete the following sentence: Yet breathing and cellular respiration
are
collected
connected
disintegrated
divided
destroyed
Add the mafix form dissimlinery involving two or more condensis scientific
Add the prefix for:disciplinary - involving two or more academic, scientific,
or artistic disciplines.
Ante Infra
In
Inter Un
UII

Add the prefix for:act - to act upon one another.  Intra In Inter On Post
Add the prefix for:costal - below the rib. Intra Inter Anter Post Infra
Add the prefix for:orbital - below the eye. Intra Inter Infra Anter Post
Find the participle II (V3) for: to take Take Took Take Take Taken Taken
Find the participle II (V3) for: say Sad Says Saying Said Sayed
Find the participle II (V3) for: treat Treaten Treating Treated Had treated Treat
Complete following sentence: medicine is useful for this patient.  Prescribe Prescription

Prescript Prescribd Prescribed	
Complete following sentence: The patient was seriously ill. teached observed examined prescribed administered	
Translate into Ukrainian: muscle cell. м'язове волокно м'язистий м'яз шиї м'язова клітина м'язовий білок	
Translate into Ukrainian: along with окремо від без цього разом з повздовжній з протягом цього	
Complete following sentence: The of food molecules for energy is calle "cellular respiration".  break into breakdown break out break of break off	d
Complete following sentence: Metabolic reactions happen in specific locations is the  protein acid amino acid cell DNA	n
Complete following sentence: The matrix is inside of membranes. one triple both	

three ten Give the translation for: "beet sugar" тростинний буряк солодовий сироп кленовий сироп чорна патока цукровий буряк Give the translation for: "honey" кленовий сироп ячмінний солод тростинний цукор мед цукор Give the translation for: "hydrogen" кисень вуглекислий газ оксиген водень вода Give the translation for: "tricky" легко складно доступно опосередковано небезпечно Complete following sentence: What \_\_\_\_\_ the mitochondria? are were have will is Complete the sentence. Mitochondria \_\_\_\_\_ by two layers of membrane. is organelles surrounded are organelles surrounded organelles surrounded are organelles surrounding

is organelles surrounded

Choose the correct translation for "виробляти вуглекислий газ": divide carbon dioxide produce carbon dioxide make carbon dioxide obtain carbon dioxide collect carbon dioxide Choose the correct translation for "потрапляють у кров": transport the bloodstream exit the bloodstream follow the bloodstream go the bloodstream enter the bloodstream Choose the correct translation for "проходити через": go through pass through enter through exit through come through What are appropriate verb forms for Future Perfect Tense? Will be/Shall be+V3 Shall/Will have+V3 Shall +V3 Will+V3 Have/Has+V3 Complete the word-combination: \_\_\_\_\_-acid- лимонна кислота Lime Citric Lemon Citrin Citrus Find the opposite for: inner inner outer lateral medial bilateral

What is the meaning of the prefix (inter-)?

in

between on in front of under
What is the meaning of the prefix (infra-)? in front of over on in
Translate into Ukrainian: clavicle лопатка плече рука підключичний ключиця
Тестові завдання до заняття «Синтез та збереження ліпідів»
Complete the sentence. Lipid metabolism is the synthesis and of lipids in cells, involving the breakdown or storage of fats for energy.  absorbing digestion degradation obtain energy storage fat
Complete the sentence. Lipogenesis is the process of these fats.  metabolism destructions synthesizing degradation hydrolysis
Complete the sentence. Lipid metabolism is often considered the and absorption process of dietary fat. metabolism degradation digestion storage

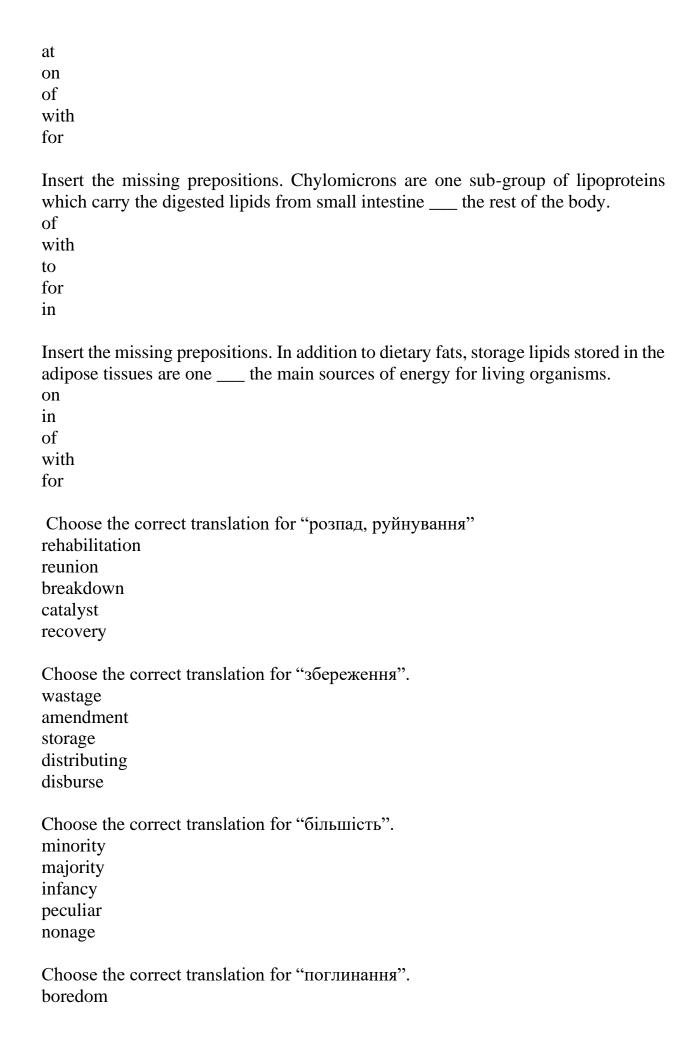
aggregate
Complete the sentence. Since lipids are molecules, they need to be solubilized before their metabolism begins. hydrophilic hydropic bibulous hydrophobic solid
Complete the sentence. Lipid metabolism often begins with, which occurs with the help of various enzymes in the digestive system. reaction metathesis hydrolysis oxidation oxidization
Complete the sentence. The second step after the hydrolysis is the absorption of the fatty acids into the epithelial cells of the liver intestinal wall stomach heart esophagus
Complete the sentence. In the, fatty acids are packaged and transported to the rest of the body.  muscle cells fat cells epithelial cells neurons endothelial cells
Complete the sentence. Digestion is the first step to metabolism.  fat lipid proteins carbohydrates cholesterol
Complete the sentence. Digestion of fats begins in thethrough chemical digestion by lingual lipase. stomach liver

small intestine large intestine	
Complete the sentence. Ingested cholesterol is not broken down by the lipases a stays until it enters the epithelium cells of small intestine. damaged defective reduced partial intact	and
Complete the sentence. The majority of lipid digestion and absorption, however occurs once the fats reach the large intestine stomach small intestines mouth liver	/er,
Complete the sentence. The step in lipid metabolism is the absorption fats.  first main second great base	ı of
Complete the sentence. Absorption of fats occurs only in the stomach large intestine small intestines liver mouth	
Complete the sentence. Due to the nature of membrane lipids, triglyceri and cholesterols, they require special transport proteins known as lipoproteins. hydrophilic hydropic aversions solid hydrophobic	des
Complete the sentence. A number of these lipoproteins are in the liver, not all of them originate from this organ.	but

stored synthesized originated damaged broken
Insert the missing prepositions. In addition to dietary fats, storage lipids stored in the adipose tissues are one of the main sources of energyliving organisms. of with for on in
Insert the missing prepositions. Triacylglycerols, lipid membrane and cholesterol can be synthesizedthe organisms through various pathways. of on by with in
Insert the missing prepositions. Lipid metabolism is the synthesis and degradation of lipids in cells, involving the breakdown or storage of fats energy. of on for with to
Insert the missing prepositions. These fats are obtainedconsuming food and absorbing them or they are synthesized by an animal's liver. of on from with to
Insert the missing prepositions. Lipogenesis is the process synthesizing these fats.  on  with  for  of  in

Insert the missing prepositions. There are two ways organisms can use fatsobtain energy: consumed dietary fats and storage fat.  of on for by to
Insert the missing prepositions. Lipid metabolism often begins hydrolysis which occurs with the help of various enzymes in the digestive system. into from of with among
Insert the missing prepositions. The second step after the hydrolysis is the absorption of the fatty acids the epithelial cells of the intestinal wall. into on with for into in
Insert the missing prepositions. Digestion is the first step to lipid metabolism, and it is the processbreaking the triglycerides down into smaller monoglyceride unit with the help of lipase enzymes. to on of with
Insert the missing prepositions. Digestion of fats begins in the mouth through chemical digestion lingual lipase. of on with by for

Insert the missing prepositions. Ingested cholesterol is not broken down by the lipases and stays intact until it enters the epithelium cells \_\_\_\_ small intestine.



absorption emission expulsion implication
Fill the gap: He says he has a fortnight in the USA spending checked visit spent spend
Fill the gap: He says he to see us next Sunday will come comes will have come will came will be come
Complete the sentence. The majority of lipid digestion and absorption, however, occurs once the fats reach the small intestines large intestine stomach mouth liver
Complete the sentence. Digestion is the first step to metabolism lipid fat proteins carbohydrates cholesterol
Insert the missing prepositions. These fats are obtainedconsuming food and absorbing them or they are synthesized by an animal's liver. of on from with to
Insert the missing prepositions. Lipogenesis is the process synthesizing these fats. on

with for in of

Answer the question. What is the first step of lipid metabolism? hydration oxylation carboxylation oxygenation digestion

Complete the sentence. Absorption of fats occurs in\_\_\_\_\_.

pancreas
small intestine
large intestine
stomach
liver

### Тестові завдання до заняття «Цитогенетика»

Choose the correct variant: Cytogenetics is a branch of genetics that is \_\_\_\_\_ how the chromosomes relate to cell behavior concerning with concerns with concerned with concern with to concerned with

Identify the verb tense: Chromosomes were first observed in plant cells by Karl Wilhelm von Nägeli in 1842.

Past Simple, Active Voice

Future Simple, Passive Voice

Past Simple, Passive Voice

Present Simple, Passive Voice

Present Simple, Active Voice

Identify the verb tense: The mutagenic potential of radiation, chemicals, and viruses was evaluated by means of chromosome analysis.

Past Simple, Active Voice

Past Simple, Passive Voice

Future Simple, Passive Voice

Present Simple, Passive Voice

Present Simple, Active Voice

Identify the verb tense: The relation of chromosome aberrations to the origin of cancer was suggested by the consistent presence of the Philadelphia (Ph) chromosome in patients with chronic myelogenous leukemia.

Past Simple, Active Voice

Future Simple, Passive Voice

Present Simple, Passive Voice

Present Simple, Active Voice

Past Simple, Passive Voice

Identify the verb tense: Their behavior in animal (salamander) cells was described by Walther Flemming, the discoverer of mitosis, in 1882.

Past Simple, Active Voice

Future Simple, Passive Voice

Past Simple, Passive Voice

Present Simple, Passive Voice

Present Perfect, Active Voice

Identify the verb tense: The name was coined by another German anatomist, von Waldeyer in 1888.

Past Simple, Active Voice

Future Simple, Passive Voice

Past Simple, Passive Voice

Present Perfect, Passive Voice

Present Simple, Active Voice

Choose the correct variant: Techniques \_\_\_ in cytogenetics include karyotyping, analysis of G-banded chromosomes, other cytogenetic banding techniques

use

used

uses

using

user

Identify the verb tense: The evolution of cytogenetic techniques and the mapping of the human genome have provided scientists with a great deal of insight into the causes of numerous genetic disorders.

Present Perfect, Passive Voice

Present Perfect Continuous, Active Voice

Present Continuous, Active Voice

Present Perfect, Active Voice

Present Perfect Continuous, Passive Voice

Insert the preposition: Cytogenetic abnormalities are present in essentially all cases \_\_ plasma cell myeloma.

by of for at
Insert the preposition: A subset of abnormalities has been associated prognostic differences. in with by for at
Insert the preposition: Classical cytogenetic studies demonstrate an abnormal karyotype in only one third of cases because the low proliferative rate of plasma cells in vitro.  in of by for at
Insert the preposition: The demonstration of any karyotypic abnormality in metaphase cytogenetics is a surrogate marker of a relatively high proliferative rate and is associated an adverse prognosis in by for with at
Insert the preposition: It is associated with an adverse prognosis irrespective the specific abnormalities present. in by of for at
Choose the correct translation for "aberration": відповідь відраза відхилення відхилення

## відновлення

Choose the correct translation for "диференціальне фарбування хромосом" chromosome bending techniques chromosome binding techniques chromosome banding techniques chromosome bounding techniques chromosome bunding techniques

Choose the correct translation for "генна картографія" gene maping gene mapping gene mapling gene mepping gene mepping gene napping

Identify the verb tense: Fifty years have elapsed since the discovery of the number of human chromosomes in 1956.

Present Perfect, Passive Voice

Present Perfect, Active Voice

Present Perfect Continuous, Active Voice

Present Continuous, Active Voice

Present Perfect Continuous, Passive Voice

Identify the verb tense: Newer techniques have been developed since then

Present Perfect, Active Voice

Present Perfect, Passive Voice

Present Perfect Continuous. Active Voice

Present Continuous, Active Voice

Present Perfect Continuous, Passive Voice

Complete the sentence: Newer techniques have been developed since then, \_\_\_\_\_ the initial conventional banding techniques to the currently used molecular array comparative genomic hybridisation.

ranged from ranging from range from ranges from to range from

Identify the verb tense: Cytogenetics has become an indispensable tool for the diagnosis of various genetic disorders

Present Perfect, Passive Voice

Present Perfect, Active Voice

Present Perfect Continuous, Active Voice

Present Continuous, Active Voice Present Perfect Continuous, Passive Voice

Complete the sentence: Cytogenetics has become an indispensable tool for the diagnosis of various genetic disorders, paving the way for possible disease and disorder disruption and lesion treatment and management disintegration and decay dissolution and dissociation
Choose the term to match the definition: The branch of genetics that studies the structure and behavior of chromosomes and their relation to human disease and disease processes. cytology cytogenetics cytolysis cytoleosis cytoleosis cytolergy
Choose the term to match the definition: thread-like structures in the nuclei of cells. chromobindins chromosomes chromoblasts chromobasteria chromobasterium
Complete the sentence: During the past three decades, the importance of clinical cytogenetics to the practice of obstetrics and gynecology dramatically because clinical cytogenetics has a direct effect on the diagnosis, management, and prevention of many disorders that are caused by chromosome aberrations. has dramatically increasing has dramatically increased have dramatically increased have dramatically increasing had dramatically increasing
Complete the sentence: In the first decade (1959 to 1968), cytogenetic analysis to a number of important achievements in medicine. to lead led lead lead leaded

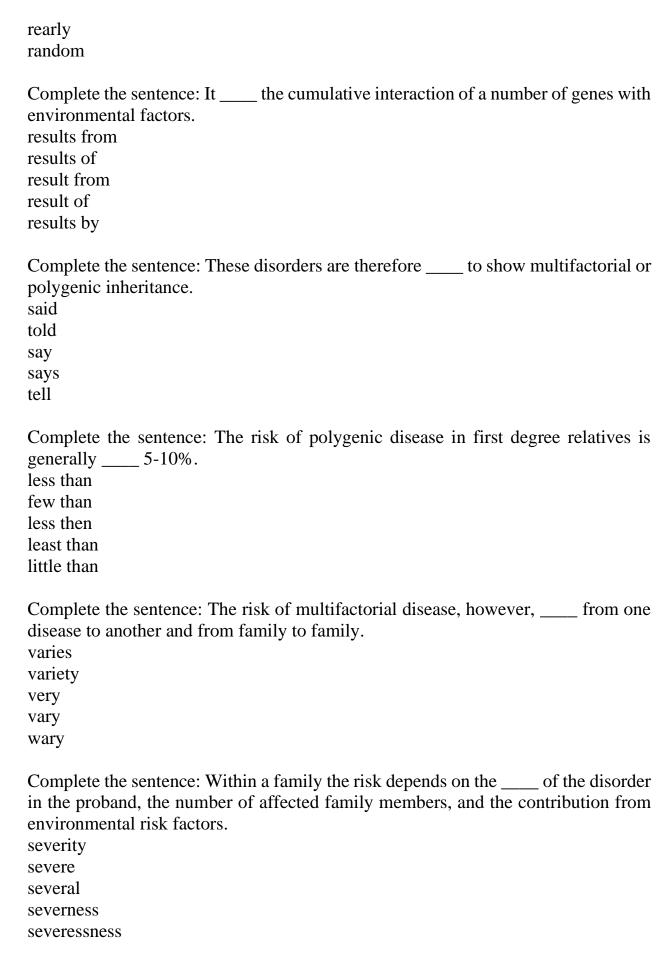
were defined		
have defined		
was defined		
have being de	fined	
are defined		
Complete the	sentence: New syndromes were identified as	chromosome
aberrations.		
to be caused b	oy .	
being caused b		
be caused by		
was caused by	/	
been caused b	у	
Complete the	e sentence: 150 different chromosome	aberrations were
described by 1		
More then		
Much than		
More than		
Many than		
Most than		
-	sentence: The possibility of prenatal diagnosis was mniotic fluid cells	raised, and tissue
spontaneous a	e sentence: The role of chromosome aberrations abortions	in the cause of
was shows		
was shown		
was showing		
was show		
was to show		
	sentence: Previously chromosome syndrome	s were confirmed
_		
establishes		
establishes established		
establishes		

## establisher

Translate into Ukrainian: aberration ухилення відхилення ухиляння прибутковість нормалізація
Fill the gap: you ill? Is Are Has Have Had
From Greek "chromos" is: form colour nature beauty liver
Fill the gap: Cytogenetics is the study of the structure and properties of  fats carbohydrates proteins enzymes chromosomes
Choose correct forms of irregular verb: to begin Begin/begin/begin Begin/began/begun Beginned/begined/begined Begin/begun/begun Began/begun/begun
Choose the correct variant. How many chromosomal aberrations were described by 1964?  More than 500  More than 200  More than 250  More than 150  More than 300

Translate into Ukrainian: decade Дворіччя Десятиріччя Триріччя Чотириріччя Сторіччя
Fill the gap: the cytogenetics studies factors that cause chromosomal  duplication disintegration integration metabolism changes
Complete the following sentence: The role ofaberrations in the cause of spontaneous abortions was shown.  tissue cell vessel vein chromosome
Тестові завдання до заняття «Генетика поширених захворювань»
Insert the prepositions: Everybody agrees that the major impact of genetics
health is through genes that influence susceptibility to heart attacks, diabetes, schizophrenia, and other common diseases.  on as for of in
schizophrenia, and other common diseases. on as for of

inadequate for the task.
in
on
as
for
of
Insert the prepositions: In retrospect we can see that the tools available were inadequate the task. for on as
of
in
Insert the prepositions: The methods that had led successfully understanding simply inherited diseases to on as of .
in
Choose the correct variant: recently, attempts to identify these genes failed. Until When Before After Currently
Complete the sentence: Coronary heart disease, essential hypertension, diabetes mellitus, senile dementia, manic depressive psychosis, schizophrenia, and other common diseases of adults cluster in families. tend to tend at tend for tend by tend of
Complete the sentence: The familial aggregation of these disorders is caused by a single gene defect. rarely rare



Complete the sentence: Within a family the risk depends on the severity of the

disorder in the, the number of affected family members, and the contribution from environmental risk factors.  proband offspring children infant child
Complete the sentence: Previously, common diseases were to be caused by interactions among behavioral, environmental, and genetic factors. thought though through throughout tough
Complete the sentence: These conditions leading causes of death for the last half century.  have been has been have being has being are been
Complete the sentence: The underlying genetic causes of these common diseases poorly were understood was understood is understood have understood has been understood
Complete the sentence: Today, complex diseases are now known to be caused by interactions genes and environment factors including smoking, poor diet, and lack of exercise. among within without beside along
Complete the sentence: In cases, these environmental factors can alter DNA or the histone proteins in chromosomes. some

no another more
Complete the sentence: These modifications can allow the disease to be passed on to offspring.  trait  trade  thread  tread  trate
Complete the sentence: These modifications can allow the disease trait to be passed on to  offspring proband ancestor parents grandparents
Complete the sentence: modifications can allow the disease trait to be passed on to offspring These This That Thou Thou
Complete the sentence: This non-DNA heredity is epigenetics. termed coined listed enrolled enlisted
Complete the sentence: This non-DNA is termed epigenetics. heredity hereditary inherit inheritance inherited
Complete the sentence: New technologies and scientific approaches researchers to identify an increasing number of variations in the genome that are associated with risk of developing common complex conditions.

have allowed has allowed are allowed have been allowed are being allowed
Complete the sentence: Large sets of information generated by genome-wide association studies and sequencing studies are entered into public databases freely to researchers around the world. available absent relevant irrelevant important
Choose the correct variant: This speeds efforts to identify new genetic variations that contribute to the development of complex diseases. continually dramatically sharply randomly countinuous
Choose the correct variant: Hundreds of new genetic variations have been associated with risk for developing a wide variety of conditions, and a common cause of agerelated known as macular degeneration.  blindness blind blurness blurred blinders
Choose the correct variant: These new discoveries are to lead to better ways to detect risk, select preventive strategies, and treat common complex conditions. likely like likelihood alike likes
Choose the correct variant: The NIH's Genes and Environment Initiative, in addition to genetic variations associated with complex diseases, aims to develop new technologies for studying the interaction of genes and environmental factors. searching for searched for

searcher of searchers for searching of

#### ЛІТЕРАТУРА

#### І. Основна:

- 1. English for Professional Purposes: Medicine = Англійська мова за професійним спрямуванням: Медицина : textbook / O.O. Pisotska, I.V. Znamenska, V.G. Kostenko, O.M. Bieliaieva. Kyiv : AUS Medicine Publishing, 2018. 368 р.
- 2. Пісоцька О.О. Англійська мова для фахівців у галузі медицини. Частина ІІ / І.В. Знаменська, О.О. Пісоцька, В.Г. Костенко. Полтава: ТОВ "АСМІ", 2010. 191 с.

## II. Додаткова:

- 1. Єнікеєва А.Б. Англійська мова для медиків / А.Б. Єнікеєва, І.В. Корнейко. Харків: ХДМУ, 2000.-64 с.
- 2. Марковина И.Ю. Английский язык: учебник / И.Ю. Марковина, 3.К. Максимова, М.Б. Вайнштейн; под. общ. ред. И.Ю. Марковиной [4-е изд., испр. и перераб.]. – М.: ГЭОТАР-Медиа, 2010. – 368 с.
- 3. Українсько-англійський медичний словник Дорладна. Львів: Наутілус, 2006. Т. 1. 12001; Т. 2 1024.
- 4. Чурилов Л.П. Английский язык для медиков: учебник / Л.П. Чурилов, Ю.И. Строев, В.И. Утехин [и др.]. СПб.: ЭЛБИ-СПб, 2012. 312 с.
- 5. Chabner Davi-Ellen. Medical Terminology: A Short Course. W.B. Saunders Company, 2009. 241 p.
- 6. Glendinning E. Professional English in Use. Medicine. / Glendinning E., Howard R. Cambridge University Press, 2007. 173 p.
- 7. Györffy M. English for Doctors: Authentic Consulting-Room Activities for Doctors, Dentists, Students and Nurses / Maria Györffy. Passau: Schenk Verlag, 2010. 292 p
- 8. McCarter S. Oxford English for Careers: Medicine. Part 2 / S. McCarter. Oxford: Oxford University Press, 2010. 144 p.
- 9. Англо-русский медицинский энциклопедический словарь (адаптированный перевод 26-го издания Стедмана) / Главный редактор Чучалин А.Г., научн. ред. Улумбеков Э.Г., Поздеев О.К. М. : ГЭОТАР, 1995. 716 с.
- 10. Новий англо-український медичний словник / За ред. Ривкіна В.Л., Бенюмовича М.С. К.: Арій, 2007. 784 с.
- 11.Юдіна Є. Підручник англійської мови: підручник / Є. Юдіна, Л. Потяженко. Київ: Вища школа, 1994. 319 с.
- 12. Gotto Antonio M., Jr. The Cornell Illustrated Encyclopaedia of Health. Lifeline Press Washington, D.C. 2002. 1312 c.
- 13. Davidson's Principles & Practice of Medicine. Churchill Livingston, 2006. 1392 p.
- 14. Davies J.J. Essentials of Medical Terminology. Thomson Delmar Leaning, 2008. P. 406-471.
- 15. Oxford Advanced Learner's Dictionary. Oxford University Press, 2005. 1899 c.

- 16. Pohl Alison. Test Your Professional English. Medical. Penguin English, 2002. 104 c.
- 17. Tortora G.J. Principles of Human Anatomy / G.J. Tortora, M. Nielsen // John Wiley and Sons, 2009. P. 821-860.
- 18. Urdang L. The Bantam Medical Dictionary. Bantam Books, 2009. 628 p.
- 19. Walker R. Human Body. Kingfisher Publications, 2006. P. 54-55.
- 20. Webster's New World Medical Dictionary. Wiley Publishing, 2008. 480 p.

## Інформаційні ресурси

English in Professional Use: "Medicine". Reading-book / I.G. Romanko,

O.O. Pisotska, I.V. Znamenska. – Режим доступу:

http://www.umsa.edu.ua/lecture/inmov/english\_in\_professional\_use.pdf.

Bell English Online. – Режим доступу: http://www.bellenglish.com/.

English with the BBC Service – Режим доступу:

http://www.bbc.co.uk/worldservice/learningenglish/index.shtml

Oxford University Press. – Режим доступу: http://www.oup.co.uk/

OUP online. – Режим доступу: http://www.oup.com/online/

Oxford DNB, online references, etc. – Режим доступу:

Longman Dictionary. – Режим доступу: http://www.ldoceonline.com/

Internet Grammar of English (very academic). – Режим доступу:

http://www.ucl.ac.uk/internet-grammar/home.htm

English Grammar and Writing online. – Режим доступу:

http://www.edufind.com/english/grammar/

Good tests and exercises in English Grammar. – Режим доступу:

http://www.usingenglish.com/online-tests.html