**18.03.2020 ЛД 16**

1. **Запомните произношение следующих слов. Какие из этих слов вам уже знакомы в латинском языке?**

**vascular** [‘vseskjub] сосудистый

**pericardium** [,pen’ka:diam] околосердечная сумка (перикард)

**apex** [‘eipeks] верхушка **interspace** [‘mt3(:)’speis] промежуток **costal** [‘kosti] реберный **septum** I’septam] перегородка **atrium** [‘eitnamj предсердие **ventricle** [‘ventnki] желудочек **valve** [‘vaelv] клапан

**fibrous** [‘faibras] волокнистый, фиброзный **systemic** [sis’temik] системный **pulmonary** [‘рл1тэпап] легочный

**portal** [’po:tl] воротной, относящийся к воротной вене *(портальный)*

1. **Выучите следующие слова: inner [Чпэ] а внутренний**

**within** [wi’5in] *ргр* внутри; *adii* внутрь

**include** [in’klu:d] v заключать, содержать в себе, включать

**male** [meil] и мужчина

**female** [Ti:meil] и женщина

**separate** [‘seprit] *а* отдельный; v [‘separeit] отделять(ся) **chamber** [‘tjeimba] и камера

**thick** [9ik] *а* толстый, большой толщины; плотный; густой **layer** [‘leis] и слой; листок (плевры)

**locate** [lou’keit] v расположить; определять местонахождение

**carry** [‘kaeri] v нести, носить; переносить (о *болезни)*

**lung** [1лг)] и легкое

**liver** [‘livs] и печень

coat [kout] и оболочка, налет

**dilate** [dai’leit] v расширяться); увеличиться); растягивать(ся) **contract** [кэп’ traekt] v сокращаться)

1. **Прочтите и переведите следующие слова и словосочетания:**
2. **chamber** [’tjeimba]: the heart consists of two separate chambers; the right atrium [‘eitriam] and the right ventricle are in the right chamber;
3. **thick** [9ik]: a thick wall; thick layer the walls of the left atrium are thick; the left ventricle has thick walls;
4. **pulmonary** [‘рл1тэпэп]: pulmonary artery, pulmonary circulation; pulmonary disease; pulmonary function; pulmonary valve;
5. **dilate** [dai’leit]: dilated; to be dilated, the vessels dilate; the heart dilates and contracts
6. **1. Прочтите текст А. 2. Выпишите из него слова с суффиксами ‘-ous’, ‘-ary’, ‘-егу’ и префиксом ‘inter-’. 3. Найдите и переведите предложения, содержащие a) Past Participle; б) Present Participle; в) ‘one**

* **ones’, ‘that — those’. 4. Напишите план текста:**

**Text a. The Heart and the Vascular System**

The heart is an inner hollow muscular organ placed within the chest and included in the pericardium. The base of the heart is against the third rib. Its apex is against the interspace between the fifth and sixth costal cartilages. The weight of the heart is about 300 grams (gr) in the male and about 220 gr in the female.

The heart consists of two separate chambers divided by the septum. Each of the chambers has two connected parts:

the atrium and the ventricle. The atrioventricular valves separate the atria from the ventricles.

The right atrium is larger than the left one, but the walls of the left atrium are thicker than those of the right one. The right ventricle is triangular (треугольный) in form and has thick walls. The right ventricle is in the anterior part of the heart. The left ventricle is longer and more conical than the right one. The walls of the left ventricle are three times as thick as the walls of the right one. The valves are located at the entrance and exit (выход) of each ventricle.

The muscular structure of the heart consists of two parts — the muscular layers of the atria and the muscular layers of the ventricles.

The vascular system consists of three groups of vessels — arteries, veins and capillaries.

The vessels carrying blood to^and. from the tissues of the body compose the general circulation. They are called the systemic vessels.

The pulmonary circulation is formed by the vessels carrying blood to and from the lungs.

The portal system is formed by the veins passing to the liver.

Most of the arteries are composed of three coats. The arteries dilate and contract simultaneously with the action of the heart.

**Class assignments**

1. **Read the following words and explain the pronunciation of the letter combinations in bold type:**

coat, count, cause, law, load, loud, autopsy, saw, soak, sound, nausea, raw, moan, amount, gaiize, road

1. **Form and translate the new words by adding:**
2. *the prefix* **sub-:** divide, tropical, class, cutaneous, costal, family, mucous;
3. *the prefix* **inter-:** costal, national, muscular, vertebral, ventricular, vascular

**ХШ. Form the Past Participle of the verbs given in brackets. State their functions. Translate the following sentences:**

1. The patient (admit) to the hospital was a 45-year-old female. 2. The inner organs (include) in the thoracic cavity are the heart and the lungs. 3. The blood (carry) to the lungs is called venous blood.