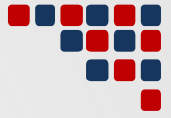




Homework & Self-study



- 10月21日学习任务: 完成任务时间10月21日晚。
- An Integrated Course(从学习通APP “章节” 进入完成) :
 - ✓ unit 2 passage 1
 - Section I (3)
 - Reading Focus (3 ,4)
 - Language focus (1,2,3,4,5)
 - Section III Building Medical Vocabulary (1,2,3)
- An Integrated Course (从学习通APP “作业” 进入完成) :
 - ✓ unit 2 passage 2
 - Reading focus (选择&判断 , 即3&4)
- Literature Reading (从学习通APP “作业” 进入完成)
 - ✓ unit 2 text A , 完成10道Multiple Choice (p9-10)

Passage 1 Word Bank

- **Venesection** (p11) surgical incision into a vein, used to treat hemochromatosis 刺络 , 放血
- anatomy (p3)
 - ✓ an- , ana- 向上 , 向后 ,
- -ectomy ; -tome ; -tomy
 - ✓ 切除 (术) ;
 - ✓ 切割器 , 刀 ;
 - ✓ 切开 (术)

- sect- 切，割
- section, **dissect**, insect, intersect, sector, bisect, **resect**.
- ✓①昆虫; ②扇形③部分,部门,章节; (手术中的) 开刀，切开④进行解剖；进行详细分析;
- ✓⑤相交，交叉 ⑥平分；二等分
- ✓⑦切除 (= excise , abscise)
- bi- , duo- , di- : 双

- Dissect 进行解剖；进行详细分析;
 - ✓1. cut open or cut apart
 - ✓2. make a mathematical, chemical, or grammatical analysis of; break down into components or essential features
- We **dissected** a frog in biology class.
- 我们在生物课上解剖了一只青蛙。
- People want to **dissect** his work and question his motives.
- 人们想剖析他的作品，质疑他的动机。

- Resect 切除；割除(= excise , abscise)
- surgically remove a part of a structure or an organ

	词汇	解释	词意
cis	abscise	离开+切	切除
	incise incision incisor	进去+切	切；切割；雕刻 切牙；门牙
	excise excision	外面+切	切除，删除
	concise concision	加强语气+切	简短的，精简的
	precise precision	提前+切	精确的

- ✓ The principal objective of this textbook was to maximize its value by remaining thorough in the breadth of open and arthroscopic procedures covered, yet extraordinarily concise in specific content.
- ✓ 通过保持开闭这一过程的宽度，这本教科书上的原则目标达到了最佳，但是在具体内容上写得太过简单（？ ？ ？ ）。
- ✓ ab- abnormal **abstract**
- ✓ tractor=tract+or
- ✓ abstract=abs (=ab) + tract
- ✓ 抽象的； 摘要

- Following pulmonary resection, tuberculous empyema may develop in the post-pneumonectomy space, sometimes associated with a bronchopleural fistula or bony sequestration.
- 肺切除术后在切除肺空隙可发生结核性脓胸，有时可伴有支气管胸膜瘘或死骨形成。
- Even if the tumor is unresectable, laparotomy will yield information for staging, biopsy material, partial resection and delineating the residual tumor field with silver clips for radiation therapy and for assessment of response, as well as future recurrence of the tumor.
- 即使肿瘤不能切除，剖腹手术亦可提供多方面的信息，如肿瘤分期，取活组织检查材料，部分切除，用银夹定出残余肿瘤的边界以便作放射治疗，估计治疗反应以及今后肿瘤复发的可能性。

- These tumors should not be excised because they regress after the trophoblastic tissue has been removed.
这样的肿瘤不应切除，因清除滋养层组织后即退化。
- Such a ciliary prolapse is less easily abscised, and wounds involving the ciliary region are more prone to provoke a sympathetic ophthalmitis, so that such an eye may need to be removed.
- 这样的睫状体脱出不易被切除，睫状区的伤口更易诱发交感性眼炎，所以这种眼可能需摘除。
- Very little of it is visible in an unsectioned brain.
- 在未切开的脑，只能见到很小部分。
- These receptors are sensitive to stretch and to spasm, whereas they are insensitive to nerve section or temperature.
- 它们对牵引、痉挛的刺激十分敏感而对神经切断或温度刺激不敏感。

- Radical pancreatic cancer surgery-with arterial resection(title)
- Comparison of endoscopic resection techniques for duodenal neuroendocrine tumors: systematic review (title)
- Surgical excision of large rectal villous adenomas(title)
- Rectal endometriosis: results of radical excision and review of published work (title)
- To circumcise or not to circumcise? Circumcision in patients with bleeding disorders(title)

Passage 1 Background Knowledge



📋 Temple Medicine in Ancient Greece (para. 4)

Unit 1

In Ancient Greece, temple medicine was closely intertwined with religious beliefs and practices. Temples, often dedicated to healing gods such as **Asclepius**, were central to the medical culture of the time.

Priests and healers at these temples would use a variety of methods to treat the sick and injured. These included rituals, prayers, offerings, and sometimes more practical medical interventions like herbal remedies and surgeries.

One of the most famous temples of healing in Ancient Greece was **the Temple of Asclepius in Epidaurus**. Pilgrims would travel long distances to seek cures at this temple, where they would be cared for by priests and healers. The temple complex even had sleeping quarters where patients could rest and receive divine dreams that would guide their treatment.

It's important to note that while temple medicine was a significant part of Ancient Greek society, it coexisted with other forms of medical practice, including those based on empirical observation and scientific inquiry.

Passage 1 Background Knowledge



📋 Greek natural philosophy (para. 7)

Unit 1

Greek natural philosophy originated in the 6th century BC and lasted until the 6th century AD. It focused on understanding the nature of the universe and the principles that governed it. The earliest Greek philosophers, known as the Milesians, including Thales, Anaximenes, and Anaxagoras, were the first to attempt to explain the world without relying on mythological explanations. They were followed by other notable philosophers such as Heraclitus, Parmenides, Empedocles, and Democritus, each proposing different theories about the nature of the universe and its constituents. Greek natural philosophy represents a significant turning point in human thought, marking the transition from mythological explanations of the world to a more scientific and rational understanding.



Passage 1 Language Points



1. Ancient Greek medicine is incomparably closer to modern medicine than any other historical form of medicine. (Paragraph 1)

- ◆ incomparably: to emphasize that someone or some something has a good quality to a great degree. 无比地; 无与伦比地; 质量相当高地
 - In various experiments and clinical studies, it has been found that immunotherapy does have incomparable advantages over traditional anti-tumor therapy, which can prolong progression-free survival (PFS) and overall survival (OS). However, immunotherapy has obvious complexity and uncertainty (Review abstract). 在各种实验和临床研究中发现，免疫疗法确实具有传统抗肿瘤疗法不可比拟的优势，可以延长无进展生存期（MRP）和总生存期（OS）。然而，免疫治疗具有明显的复杂性和不确定性
- ◆ 译文：古希腊医学比任何其他历史形式的医学都更接近现代医学。



Passage 1 Language Points



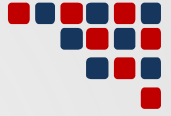
2. Disease was no longer regarded as a supernatural phenomenon; it was approached from a rational, naturalistic, and scientific point of view.

(Paragraph 1, 倒line 1-3)

- ◆ approach: to come near to sb./sth. in distance or time (在距离或时间上) 靠近，接近，
 - The physician approached the patient, introduced himself, and extending his hand in greeting. 医生走近病人，作了自我介绍，并伸出手问候。
- ◆ 译文：疾病不再被人们视为超自然现象，而是从理性、自然主义和科学的角度来看待。



Passage 1 Language Points



3. Because of their geographical location, the Greeks were exposed to the most varied cultural contacts. (Paragraph 2,line 4)

◆ 译文：由于其地理位置，希腊人接触到了多样化的文化。

- Clinical and Hematological Studies of Workers Professionally Exposed to Pesticides
- 对职业性接触杀虫药的工人的临床和血液学研究
- Each mouse was exposed to 30–40 cercarias percutaneously.
- 每个小鼠经皮接触感染30-40尾蚴。

- It is seen in heavy smokers and drinkers, and in those who are exposed to industrial or atmospheric pollution.
- 多见于过度吸烟、酗酒者及接触工业或空气污染物。
- Bladder cancer develops most frequently in male smokers and those who are exposed to certain chemicals (carcinogenic agents).
- 膀胱癌最多发生于男性吸烟者和经常接触某些化学品(致癌因子)的人。

- HCC827 cells were exposed to increasing concentrations of PF00299804, starting with 1 nM, until they were able to proliferate freely in 1 mM PF00299804, which occurred after six months of drug selection.
- 逐渐增加PF00299804的浓度处理HCC827细胞，起始剂量为1 nM，直到药物选择6个月之后，细胞能在1 mM PF00299804中不受限制地增殖。
- The breast cancer cell line MDA-MB-231 exposed to the P904 contrast agent showed significantly higher iron oxide concentrations compared with those of unlabeled controls ($P < .05$).
- 与无标记对照组相比，经P904对比剂处理的乳腺癌细胞株MDA-MB-231显示出了明显更高的氧化铁浓度($P < .05$)。

- A fresh blood smear is briefly fixed and then exposed to a phosphate buffer of specific pH.
- 取新鲜血液涂片，迅速固定，然后放入（置入）特定pH的磷酸盐缓冲液。
- Thus if cells are exposed to solutions with higher solute concentration, water will be drawn out of the cell.
- 因此，如果将细胞置于溶质浓度较高的溶液内，水分将从细胞内渗出。

- On exposure to cellular stresses, the p53 protein is stabilized, increases its concentration, and becomes active as a transcription factor initiating a transcriptional program, which leads to DNA repair, cell cycle arrest, cellular senescence, or apoptosis.
- 在细胞应激的作用下，P53蛋白稳定，浓度增加，激活成为一个转录因子来启动转录程序，导致DNA修复、细胞周期停滞、细胞衰老或凋亡。



Passage 1 Language Points



4. Hippocrates supposedly lived from 460 to 377 BC, and the treatises of the Hippocratic collection, the Corpus Hippocraticum, are supposed to have been written between 480 and 380 BC. (paragraph 4)

- ◆ Supposedly是一个副词，意思是“据说”，“被认为”，或者“按照推测而言”。通常用来引入一件事情或者一个观点，以表明自己并不确定其真实性，而是基于某些假设或者推测。在科研领域中，supposedly也可以用来表示某个假设或者猜想，需要进一步证实或者驳斥。
- ◆ 译文：希波克拉底据说生活在公元前460年至公元前377年之间，而希波克拉底文集《希波克拉底文集》中的论文应该写在公元前480年至公元前380年之间。

● Supposedly

- as is supposed : according to what is or was said, claimed, or believed by some 据说，据传
 - ✓ a *supposedly* true story
 - ✓ a *supposedly* good restaurant
- Right ventricle dysfunction in patients with acute pulmonary embolism supposedly at low risk for death: when evidence-based medicine rescues clinical practice (Editorial Title)
- 据称死亡风险较低的急性肺血栓患者的右心室功能障碍：当循证医学拯救临床实践时 (tencent)

- Dermatoses affecting palms may represent a dermatologic challenge from both the diagnostic, and therapeutic point of view. Patients with supposedly occupational dermatitis can spend months or even years in a frustrating attempt to avoid contact with possible irritants or allergens. To underline the importance of a thorough unbiased analysis of the patient's history and clinical features, we present the iconic case of a bricklayer affected by a chronic, disabling desquamation of palms which in the end was classified as keratolysis exfoliativa (KE) attributed to ranolazine-intake, an antianginal drug. To the best of our knowledge, this specific adverse effect of druginduced KE of palms has never been reported before in association with ranolazine.(abstract)



Passage 1 Language Points



5. It can therefore no longer be maintained that the Hippocratic physicians were the successors and pupils of the priests of Asclepius, nor that the temple inscriptions are the first “case histories”. (paragraph 4)

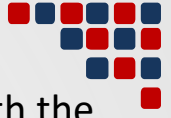
- ◆ inscription: words written in the front of a book or cut in stone or metal (书首页的) 题词 ; (石头或金属上) 刻写的文字 , 铭刻 , 碑文,
- ◆ Maintain: to sustain against opposition or danger : uphold and defend *maintain a position* 坚持 , 主张
- ◆ 译文 : 因此 , 希波克拉底不应被认为是阿斯克勒庇俄斯牧师的继承者和学生 , 寺庙铭文也不应被认为是第一批 “病历” 。

- Prescribe describe inscribe **subscribe** manuscript
- 描写 开处方 铭记 手稿
- inscription
 - ✓ a piece of writing inscribed on a stone , in the front of a book , etc. 碑文 ; 铭文 ; 题词

- Subscribe
- 1“订阅” 2“捐赠”
- The subscriber you dial is busy now, please redial later.
- Subscriber :订购者 , 订阅人 , 订户 ; 消费者 , 用户 ; (慈善机构、活动的) 定期捐款者 , 定期捐助者 ; <正式> (文件的) 签名者



Passage 1 Language Points



6. The school of Cnidus was apparently concerned primarily with the diagnosis of disease, developing a somewhat elaborate system of classification. Cnidian physicians differentiated no less than twelve forms of cystitis. The treatment of these Cnidians was active and primarily local. (paragraph 6)

- ◆ 译文：尼多斯学派显然主要关注疾病的诊断，开发了精细的分类系统。尼多斯医生区分了不少于12种形式的膀胱炎。尼多斯人的医学治疗是活跃的，又是地方性的。

- apparent

- appearance

- ✓ 1 “出现，出场，露面”

his sudden appearance surprised her.

- ✓ 2 “外表，外貌，外观”

don't judge by appearances.

- apparent

- ✓ 1 “明显的，显而易见的”

it was apparent that he knew nothing about how to repair cars.

- ✓ 2 “表面的，貌似” apparent cause 表面原因

- transparent “透明的”

transparent window

- Cardiac catheterization----- a long hollow tube, a catheter, can be threaded into an artery up into the heart. Then material *opaque* to X-rays can be released into the blood flow through the heart imaging the details of coronary arteries. Typically used to identify a blockage and location in the coronary circulation.

opaque 不透明的

- To support the elaborate system of nerves, vessels, and glands, the corium contains connective tissue cells and fibers.
- 真皮中含有结缔组织细胞与纤维来支撑复杂的神经系统、血管与腺体。
- The diagnosis of sick-sinus syndrome does not usually require elaborate testing.
- 病窦的诊断常常不需要复杂的检查。
- ◆ elaborate adjective 复杂的；详尽的；精心制作的
 - ✓ 1: planned or carried out with great care
 - took elaborate precautions
 - ✓ 2 : marked by complexity, fullness of detail, or ornateness
 - a somewhat elaborate system of classification

- **elaborate transitive verb** 详细说明, 详尽阐述; 精心制作

- ✓ 1: to work out in detail : DEVELOP

- elaborate a theory

- ✓ 2: to produce by labor

- ✓ 3: to build up (something, such as complex organic compounds) from simple ingredients

- Many tissues are resistant to invasion because they are resistant to the action of various products being elaborated by cancer cells.
- 很多组织对侵袭有抵抗力, 因其对癌细胞产生的各种产物及作用具有抵抗能力。
- Alcohol causes diuresis by increasing fluid intake and by inhibiting the secretion of antidiuretic hormone elaborated by the posterior pituitary gland.
- 饮用酒精后, 由于对液体的摄取量增加及垂体后叶抗利尿素分泌的被抑制, 从而产生利尿作用。

- **elaborate transitive verb** 详细制定; 详尽阐述; 精心制作

- ✓ 1: to work out in detail : DEVELOP

- elaborate a theory

- ✓ 2: to produce by labor

- ✓ 3: to build up (something, such as complex organic compounds) from simple ingredients

- A hormone is a chemical substance elaborated by one part of the body that controls or helps to control some function elsewhere in the body.
- 激素是身体某部分精制的一种化学物质, 它控制或帮助控制身体其他部分的某些功能。
- When a person's skin becomes sensitized to a substance elaborated in or on his body from his own tissue proteins, autosensitization dermatitis may develop.
- 当一个人的皮肤对他体内或身体上由他自己的组织蛋白质合成的物质变得敏感时, 可能会出现自敏性皮炎。

- Hormonally active tumors of the adrenal cortex are either benign adenomas or adenocarcinomas. They may be located within the adrenal gland or as adrenal rests along the Wolffian tract. Hyperplastic cortical tissue without actual neoplastic formation is also capable of elaborating excessive cortical secretions. AT THE PRESENT STATE OF KNOWLEDGE, ANY ONE OR A COMBINATION OF THE FOLLOWING COMPOUNDS MAY BE ELABORATED IN A GIVEN CASE: the electrolytic, glucogenic, androgenic, or estrogenic corticosteroids. Whether or not Cushing's syndrome is primarily pituitary or adrenal in origin is still a matter of conjecture (abstract).

- **cystitis:** 膀胱炎
 - ✓ cysto-, cyst-, cysti-, cystido- 囊, 膀胱
 - ✓ -itis 是炎症后缀, 表示某部位的发炎或感染。
 - ✓ cyt(o)- 细胞
- **nephritis:**
 - ✓ 肾炎, “nephro-”表示肾脏。
- **gastritis:**
 - ✓ 胃炎, “gastr-”表示胃。
- **enteritis:**
 - ✓ 肠炎, “enter-”表示肠道。

- Changes in color may be generalized or localized.
- 皮肤颜色的改变可以是全身性的或局部的。
- As more muscles are involved, rigidity becomes increased and generalized.
- Generalize概括，归纳
- 随着更多肌肉受到影响，强直加剧至全身。



Passage 1 Language Points



7. He designated the brain as the central organ of the higher activities of man (paragraph 8).

- ◆ designate as: to say officially that sth. has a particular character or name;
to describe sth. in a particular way
- ◆ 译文：他将大脑描述为人类高级活动的中心器官。

- **Designate** 把.....定名为，把.....描述为；任命，指定；标明，标示
- It also contained the chronic sick wards, which were now designated as geriatric hospital beds. 它还包括慢性病病房，现在被指定为老年医院床位。
- Or the committee could designate some funds for antibiotics that will treat drug-resistant infections that may not be prevalent in the US but are common in lower-income countries.
- 或者，委员会可以指定一些资金用于治疗耐药感染的抗生素，这些感染可能在美国不流行，但在低收入国家很常见。

- **Designate** 把.....定名为，把.....描述为；任命，指定；标明，标示
- The Brentwood home was designated by the city as a historic monument in June, a move that helps protect the residence from demolition, after its new owners began preparing to tear the house down.
- —Emily Alpert Reyes, Los Angeles Times, 17 Aug. 2024

