

آزمون دکتری وزارت بهداشت سال ۱۴۰۲

فایل سوالات

Vocabulary

Read the following sentences carefully and choose one of the options (a, b, c, d) to complete the sentences.

116- Dementia, also known asis seen in elderly individuals whose mental states have started to decline.

- a) senility b) paucity c) calamity d) asperity

117- Colleagues and comrades over the years were in a..... mood at the party anxiously awaiting presentations.

- a) expedient b) thrifty c) greedy d) euphoric

118- Youth gangs typically engage in....., criminal, and violent activities, often for financial gain.

- a) mandatory b) benevolent c) delinquent d) competent

119- She quit her job and sold her car to take a break and travel the world. She's always been..... about going to new places and meeting new people.

- a) hesitant b) ardent c) gloomy d) senile

120- She acknowledges that the new employee's..... and naïve manner antagonized the board of directors even though he was willing to take chances.

- a) amiable b) cordial c) gorgeous d) scandalous

Reading comprehension

Read the following passages carefully and choose the best answers.

Recent advancements have transformed AI technologies into powerful tools for enhancing clinical and operational efficiency. Today, AI is allowing everyone involved in the healthcare ecosystem doctors, nurses, administrators, and patients _to benefit from enhanced efficiency and better diagnoses. It extends and augments professional capabilities and provides the foundation for better, more cost-effective outcome. It is an enabling technology for a more personalized approach to patient care, focusing on patient outcomes rather than just system efficiency.

During the next 10 years, AI is expected to radically streamline healthcare delivery by providing immensely powerful insights to enhance the patient management pathway, yet there are hurdles to overcome before AI transforms healthcare provision. For example, at present, too much patient consultation time is spent entering data, rather than drawing inferences from it. However, these transitional issues should quickly be resolved as AI is more broadly adopted across the sector, and the outlook among healthcare professionals is positive; almost half of medical staff expect AI will enable more robust diagnoses, and 57% believe its improved predictive capabilities will allow them to focus more on preventive medicine. AI needs to work for healthcare professionals as part of a robust, integrated ecosystem, and success relies on more than simply deploying a new technology. The more 'humanized' the application of AI is, the faster and more widely it will be adopted, and the better the return on the 5. initial investment. Ultimately, this will improve results and patient care and, in healthcare, the priority should always be the patient.

121- In the first paragraph, the writer..... of AI in healthcare system.

- a) explains the foundation b) focuses on the status
c) analyzes the mechanism d) illustrates the ecosystem

122- In the above passage, all of the following are mentioned to be positively affected by AI EXCEPT.....

- a) personalized technology b) healthcare personnel
c) professional capabilities d) clinical operations

123- Which of the following is true?

- a) Less than half of the medical staff believe AI can be used for disease prevention.
b) 57% of the medical staff think that AI technologies cannot be adopted in healthcare system.
c) About fifty percent of healthcare personnel expect AI can empower diagnosis.
d) 50% of the healthcare personnel think that they can overcome hurdles to AI transformation.

124- The writer believes that in the successful adoption of AI, the system should give priority to.....

- a) patients b) investment c) professionals d) technology

125- In the second paragraph, the future of AI application is predicted to be

- a) impulsive b) unwarranted c) confusing d) promising

Some of the leading causes of sight loss affect the part of the eye called the retina. Supplementation with a certain type of omega fatty acid known as docosahexaenoic acid, or DHA, can reduce the incidence of retinal disease, however, improving DHA levels in the retina is challenging due to the retina-blood barrier. A group of researchers has now shown that a different form of DHA they have developed can enter the retinal tissue---- at least in mice. If the same effect is shown in humans, the supplement could be used to reduce risk and potentially even treat some retinal diseases.

Loss of sight is believed to have a global cost of \$411 billion annually due to medical and care costs, as well as lost work and productivity, according to the World Health Organization. Age- related macular degeneration and diabetic retinopathy both affect the retina, which is found at the back of the eye and contains many light-sensitive cells which allow us to see. Age-related macular degeneration affects the macula-a part of the retina-and results in central vision being blurred. Meanwhile, diabetic retinopathy is seen in patients with both type 1 and type 2 diabetes and is caused by high blood sugar levels affecting blood flow to the retina, and if untreated, can cause blindness.

126- According to the passage, DHA supplementation is a challenge because.....

- a) it is a degenerative process
- b) retinal diseases are incurable
- c) there are retina-blood obstacles
- d) DHA penetrates into the retinal tissue

127- According to the passage, currently, the newly developed DHA.....

- a) can treat sight loss in mice
- b) costs \$411 billion for diabetic patients
- c) can enter retinal tissue in humans
- d) reduces the cost of retinopathy to \$411 billion

128- What is the ultimate impact of age-related macular degeneration on the macula?

- a) It can reduce the risk to the retinal tissue.
- b) It leads to blindness in non-diabetic patients.
- c) It deactivates light-sensitive cells.
- d) It specifically blurs the central vision.

129- Which of the following is NOT true about diabetic retinopathy?

- a) All patients suffering from diabetes may have some signs of diabetic retinopathy.
- b) Retinal diseases are rarely observed in patients with diabetics.
- c) Diabetic retinopathy emerges because of the high blood sugar affecting the retina.
- d) Diabetic retinopathy can finally lead to blindness if untreated.

130- Which of the following is true about the new form of omega fatty acid supplement?

- a) It can possibly cure the retinal illnesses.
- b) Its positive effect on mice has not yet been reported.
- c) It puts the retina and its surrounding tissues at risk.
- d) It removes the blood barriers in patients with diabetes.



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