

令和7年8月5日実施

名古屋市立大学大学院医学研究科博士課程入学試験(1回目) 外国人－英語

**I. Read the following sentences and answer the following 4 questions.**

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Quoted from : Griot MF, Walker GA. JAMA Netw Open. 2025 Jun 2;8(6):e2514460.

**Question 1.** What state is described as existing between the rapid development of AI in medicine and its clinical practice implementation?

**Question 2.** According to the large-scale survey by Busch et al., what kind of people show higher acceptance of AI?

**Question 3.** What is the main basis suggested in the text for envisioning the role of AI as augmenting, rather than replacing, physicians' care processes?

**Question 4.** What importance does the survey finding that patients prefer "explainable AI" over "closed box" models emphasize?

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**II. Read the following sentences and answer the following 5 questions.**

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Quoted from : Nat Med. 2023 Aug;29(8):1877-1878.

**Question 1.** Why is the interpretation of clinical genetic information challenging in real-world medical settings?

**Question 2.** Give two examples of how genomics is being applied in clinical practice in the UK or the US.

**Question 3.** Identify two major obstacles to the implementation of genomic medicine.

**Question 4.** Why is it important to educate physicians about genomics?

**Question 5.** Explain the reason why genomics presents challenges to health equity.