

2026年度

学校推薦型入学試験（獣医学類）

小論文

10時～11時

1. 小論文の記述はこの裏面を使用すること。
2. 小論文は横書きのこと。
3. 小論文の記述は、最初の行から書き始めること。
4. 小論文中、または受験番号欄に自分の氏名を書かないこと。
5. 受験番号は指定の箇所に必ず横書きに記入すること。
(記入のないものは無効とする。)
6. 鉛筆（シャープペンシル）を使用のこと。
7. 下書き用紙は提出する必要はない。

問1. ワンヘルスとは、ヒトの健康、動物の健康および環境の健全性が相互につながっているという考え方に基づくアプローチである。獣医師としてのワンヘルスへの貢献について600字以内の日本語で考えを述べなさい。

問2. 以下の英文を200字以内で日本語に要約しなさい。

Bacteria tend to persist on mobile phones for longer durations causing hospital-acquired infections. This is primarily because mobile phones have become an extended hand to healthcare workers due to their unavoidable utilization and the lack of sanitization after use in wards.

A questionnaire was used to assess the usage and disinfection practices of mobile phones among medical students regularly attending the wards of a teaching hospital. Culture was done to assess the presence of bacteria and their resistance to antibiotics. Three sterile cotton swabs were performed for each mobile phone. If growth was present, then a culture smear was made, and the type of bacteria was assessed. Participants received subsequent education on the disinfection of phones according to standard disinfection protocol. The main objective of the study was to determine the presence of bacteria on students' mobile phones and its resistance to antibiotics.

A total of 103 medical students took part in the study. It was found that all the students used their mobile phones at all times in wards and 43% of them carried their phones to washrooms. Out of all the students surveyed, only 23% of students had regularly disinfected their phones. Bacteria were present on all mobile phones sampled. Among these, 98% had Gram-positive bacteria, 83% had Gram-negative bacteria, and 9% had vancomycin-resistant

enterococcus (VRE). Among participants who did not disinfect their phones, 96% and 98% had methicillin-resistant *Staphylococcus aureus* (MRSA) and methicillin-sensitive *Staphylococcus aureus* (MSSA), respectively.

Following standard disinfection protocols is the need of the hour to reduce hospital-acquired infections.

出典：

Cureus. 2024 May 10; 16(5): e60060.

Sai Sravani Sure, Cunnigaiper Dhanasekaran Narayanan, Anish Kumaran N, Nithyapriya Chandramohan

Bacterial colonization of mobile phones: Myth or reality
より引用・改変

duration：持続時間

hospital-acquired infections：院内感染

wards：病棟

antibiotics：抗菌薬

sterile：滅菌

culture smear：培養塗沫

Gram-positive bacteria：グラム陽性菌

Gram-negative bacteria：グラム陰性菌

swabs：綿棒