

# 第二阶段

## 作业 10

内容涉及

*IACLE 接触镜教材第五册 5.3, 5.4 和 5.5 单元*

## 作业 10

仔细阅读题目，将答案写在答题纸上

1. **Which one of the following statements regarding the use of  $H_2O_2$  in the disinfection of soft contact lenses is NOT true?**
  - a. Suitable for all lens types
  - b. Cleaning and rinsing prior to disinfection is not necessary
  - c. Recommended disinfection time in 3%  $H_2O_2$  is 6 hours
  - d. Can be formulated without preservatives
  
1. 下述关于软镜使用双氧水消毒系统的陈述中哪点是错误的？
  - a. 适合于所有种类的镜片
  - b. 在消毒前，不必进行镜片的清洁与冲洗
  - c. 建议在 3%  $H_2O_2$  中消毒 6 小时
  - d. 可以不用防腐剂
  
2. **A new rigid gas permeable (RGP) lens shows persistent wettability problems on the eye. What is the most likely cause of this problem?**
  - a. Excessive lens polishing during manufacture
  - b. Abnormalities in the glands of Krause
  - c. Inadequate edge clearance
  - d. Excessive tearing during the adaptation period
  
2. 一新的 RGP 镜片在眼内有持续性湿润性问题，导致此状况的最可能原因是：
  - a. 在镜片制作时过度抛光
  - b. Krause 腺功能异常
  - c. 镜片边缘翘起高度不适当
  - d. 适应期过度的泪液
  
3. **What is the best way for a patient to remove RGP lens lipid deposits?**
  - a. Use an enzymatic cleaner weekly
  - b. Polishing the lens surface
  - c. Switch to hydrogen peroxide disinfection
  - d. Using an alcohol-based surfactant cleaner

3. 去除 RGP 镜片表面脂质沉淀最有效的方式是：
- 每周使用酶清洁剂
  - 镜片表面抛光
  - 转用双氧水消毒系统
  - 使用酒精类表面清洁剂
4. **Which one of the following is an enzymatic cleaner that incorporates a combination of protease, lipase, and amylase?**
- Papain
  - EDTA
  - Pancreatin
  - Subtilisin-A
4. 下述哪种酶清洁剂是蛋白酶、脂肪酶和淀粉酶的复合体？
- 木瓜蛋白酶
  - EDTA ( 乙二胺四乙酸 )
  - 胰液素
  - 枯草杆菌蛋白酶-A
5. **A patient who wears conventional soft contact lenses complains of a sudden reduction in lens tolerance and wearing time in both eyes, as well as burning and stinging upon lens insertion. Slit-lamp biomicroscopy reveals generalized conjunctival hyperaemia and diffuse corneal staining. What is the MOST likely cause of his problems?**
- Contact Lens Acute Red Eye (CLARE)
  - Bacterial conjunctivitis
  - Lens front surface deposits
  - A solution sensitivity reaction
5. 一患者配戴通常型镜片，主诉双眼对镜片的耐受性下降、配戴时间缩短，镜片戴入后即出现烧灼感和刺痛，裂隙灯检查示结膜充血和弥散性角膜染色，最可能的原因是：
- 接触镜性急性红眼(CLARE)
  - 细菌性结膜炎
  - 镜片前表面沉淀
  - 护理液过敏反应

6. **Which one of the following enzymatic protein removers is formulated specifically for use in hydrogen peroxide lens care systems?**
- Pancreatin
  - Subtilisin A
  - Papain
  - Subtilisin B
6. 下述哪种蛋白酶专用于双氧水护理系统中？
- 胰液素
  - 枯草杆菌蛋白酶 A
  - 木瓜蛋白酶
  - 枯草杆菌蛋白酶 B
7. **Each of the following statements regarding the polymeric disinfectants used in multi-purpose contact lens solutions is true, EXCEPT:**
- Low toxicity, low incidence of sensitivity reactions
  - Large molecular size prevents absorption into lens matrix
  - Very effective against *Acanthamoeba* cysts
  - Rubbing and rinsing of the lens is still required
7. 下述关于接触镜多功能护理系统中聚合物消毒剂的陈述中不正确的是：
- 低毒性、低过敏发生率
  - 大分子，防止进入镜片基质中
  - 对阿米巴包囊非常有效
  - 仍然必须揉搓和冲洗镜片
8. **A patient who only wears his contact lenses occasionally should be advised to store his lenses in which one of the following:**
- Unneutralized hydrogen peroxide
  - Multipurpose solution
  - Unpreserved saline solution
  - Distilled water
8. 一患者只是偶然配戴接触镜，则储存镜片最好的方式是：
- 未中和的双氧水中
  - 多功能护理液
  - 无防腐剂生理盐水中
  - 蒸馏水中

9. **All of the following are functions of re-wetting/lubricating eye drops for soft lenses, EXCEPT:**

- a. Flushing irritating particles from the eye and lens
- b. Rehydrating lenses
- c. Facilitating easy lens removal
- d. Alleviating symptoms of dryness and discomfort

9. 下述是软镜润滑液的功能但必须除外的是：

- a. 去除镜片和眼的刺激物
- b. 水化镜片
- c. 有助于镜片摘除
- d. 减轻干燥和不舒适感

10. **Which one of the following is NOT an essential step in soft contact lens care and maintenance?**

- a. Disinfection
- b. Protein removal
- c. Rinsing
- d. Cleaning

10. 下述哪点不是软镜护理系统中必须的步骤：

- a. 消毒
- b. 去蛋白
- c. 冲洗
- d. 清洁

11. **An RGP lens has a hard, matt-looking deposit on both its front and back surfaces that is difficult to remove. This deposit also causes reduced lens wettability and patient comfort. Which type of deposit is it MOST likely to be?**

- a. Lipids
- b. Calcium
- c. Jelly bumps
- d. Protein

11. 一 RGP 镜片在前后表面均有硬的席纹样沉淀，很难去除，这些沉淀降低了镜片的湿润度和配戴的舒适度，最可能是哪种沉淀？

- a. 脂质
- b. 钙质
- c. 胶冻
- d. 蛋白

**12. Which statement regarding thermal disinfection of soft contact lenses is NOT true?**

- a. Can cause lens discolouration
- b. Not very effective
- c. Denatures tear protein deposits on lenses
- d. Incompatible with some lens materials

12. 下述哪点关于软镜热消毒法的陈述是不正确的？

- a. 会导致镜片脱色
- b. 不是非常有效
- c. 使镜片表面蛋白沉淀变性
- d. 与有些镜片材料不相容

**13. What is the function of the buffer system in contact lens solutions?**

- a. To adjust and maintain solution pH
- b. To enhance the solution's viscosity
- c. To adjust the solution's osmolality
- d. To improve lens wettability

13. 接触镜护理液中缓冲系统的作用是：

- a. 调整和维持溶液的 pH
- b. 增加溶液的粘性
- c. 调整溶液的渗透压
- d. 提高镜片的湿润性

**14. What is the minimum time needed for exposure to 3% H<sub>2</sub>O<sub>2</sub> to effectively inactivate bacteria?**

- a. 5 minutes
- b. 15 minutes
- c. 30 minutes
- d. 60 minutes

14. 使用 3% H<sub>2</sub>O<sub>2</sub> 系统使细胞灭活的最少时间是：

- a. 5 分钟
- b. 15 分钟
- c. 30 分钟
- d. 60 分钟

**15. Which one of the following statements is TRUE?**

- a. RGP lens materials are more rigid than PMMA
- b. High Dk RGPs for daily wear are more deposit prone than their low Dk counterparts
- c. Rigid lenses should preferably be cleaned between the thumb and forefinger
- d. When an RGP lens is stored dry, its BOZR will flatten temporarily

15. 下述哪点是正确的？

- a. RGP 材料比 PMMA 更坚硬
- b. 日戴高 DK 的 RGP 比低 DK 的更易吸附沉淀
- c. RGP 镜片应该在拇指与食指间适当清洁
- d. 当 RGP 镜片作干保存时，其基弧会暂时变平坦

**16. Which one of the following is NOT a principal function of a soft lens rinsing solution?**

- a. Emulsification of oils and lipids on the lens surface
- b. Removal of residual cleaner
- c. Rehydration of the lens
- d. Removal of loosened lens contaminants

16. 下述哪点不是软镜冲洗液的主要功能？

- a. 使镜片表面的油与脂质乳化
- b. 去除残存的清洁液
- c. 镜片水化
- d. 去除松弛的镜片表面污染物

**17. Which one of the following deposits is MOST likely to accumulate on fluoro-siloxane contact lens materials?**

- a. Rust spots
- b. Jelly bumps
- c. Lipid deposits
- d. Denatured protein

17. 下述哪种沉淀最容易聚集于氟-硅材料的镜片

- a. 铁锈
- b. 胶冻
- c. 脂质沉淀
- d. 变性蛋白

**18. With regard to papain, which statement is NOT true?**

- a. It is a protein-specific enzyme
- b. Derived from the pancreas of the pig
- c. Can bind to lens materials and cause sensitivity reactions
- d. Recommended lens soaking time is 15 minutes

18. 对于木瓜蛋白酶，下述哪点不正确？

- a. 是一种蛋白特有的酶
- b. 来源于猪胰腺
- c. 会黏附于镜片材料发生过敏反应
- d. 建议镜片浸泡时间是 15 分钟

**19. Which one of the following is a chelating agent, usually used as an antimicrobial enhancer in combination with other preservatives?**

- a. Thimerosal
- b. ATAC
- c. Chlorhexidine
- d. EDTA

19. 下述哪种螯合剂经常与其他防腐剂合用以增强抗菌效应？

- a. Thimerosal
- b. ATAC
- c. Chlorhexidine
- d. EDTA

**20. The amount of deposits that accumulate on an RGP lens is largely independent of:**

- a. Tear quality
- b. Lens care regimen
- c. Dk of lens material
- d. Wearing schedule

20. RGP 镜片表面的沉淀的聚集量与下述那点无关：

- a. 泪液质量
- b. 镜片护理方法
- c. 镜片材料的 Dk
- d. 配戴周期