## Soft lenses (questions about lens fitting)

1. A steep soft contact lens is mostly situated:

b

2. The fitting of modern soft contact lenses is mostly influenced by:

a. superiorb. centralc. temporal

b.	the corneal scleral profile the thickness of the lens the power of the lens a		
<ol> <li>Which statement about soft contact lenses is correct?</li> <li>When the radius of the lens becomes flatter and the diameter is increased, the lens movement will improve.</li> <li>When we increase de diameter the lens fitting will become more loose.</li> <li>When we make the radius steeper and the diameter smaller the lens movement will become worse.</li> </ol>			
b.	Only 1 is correct 2 and 3 are correct All answers are incorrect	С	
4. A soft lens that is situated high in the eye is most probably:  a. A steep lens			
	. A flat lens . A lens with a small diameter	b	
5. A toric soft lens has it's mark at 260°, in the status we write:			
b.	Inclination +10° Inclination 170° Inclination -10° b		
6. When the radius of a soft spherical lens gets longer the sagittal height will become:			
b.	Higher Lower Unchanged b		
7. A soft contact lens -2.00 C= -2.50 as 180° becomes towards the edge:			
a. b. c.	Vertical thicker than horizontal	s b	
8. Sup	8. Superior staining in soft contact lens wear (seal) is most probably caused by a:		
	Lens with a high water content Lens with a high modulus Lens with a too large diameter	b	

9. The vertical corneal diameter is on the average: a. A little bit smaller if compared to the horizontal corneal diameter b. A little bit larger if compared to the horizontal corneal diameter c. The same size as the horizontal corneal diameter a 10. Smile staining will most likely be seen with: a. A soft lens S 0.00 =C-3.00 as 90° b. A HEMA lens with a low water content c. Both answers are correct Soft lenses (questions about materials) 1. In case of dry eye problems and papillae we fit a lens: a. With a high water content b. Made of Silicone Hydrogel material c. Made of Biomimetic material 2. Silicone Hydrogel lenses have, if compared to HEMA lenses: a. A higher modulus b. A lower modulus c. The same modus а 3. Biomimetic materials have as the most important characteristic that: a. Oxygen is being transported through the material b. They have a relatively high water retention c. They have a water content under 40% 4. HEMA lenses contain, compared to Silicone Hydrogel, lenses usually: a. More water b. Less water c. The same amount of water а

be served with a lens made of:

a. Silicone Hydrogel materialb. Biomimetic materialc. HEMA material

c. Silicone Hydrogel material

a. HEMA materialb. Biomimetic material

5. A customer with corneal edema can best be served with a lens made of:

С

6. A customer with papillae who wears his lenses usually 4 hours a day can best

С

**Hogeschool Utrecht** 

7. Which statement about Silicone Hydrogel materials is correct: a. The water content and oxygen transmission are both high b. The water content is relatively low and the oxygen transmission is high c. The water content is high and the oxygen transmission is low 8. HEMA lenses are, compared to Silicone Hydrogel lenses, usually: a. Thicker b. Thinner c. Equally thick b 9. Oxygen transmission through Biomimetic lenses is compared to HEMA lenses: a. Always higher b. Higher under relatively dry circumstances c. Lower under relatively dry circumstances 10. Silicone Hydrogel lenses are the first choice for customers with: a. Dry eyes and papillae b. Neovascularization c. A and B are both correct b Soft lenses (Questions about lens solutions) 1. When soft lenses become greasy you can clean them best with: a. All-in-one solution (e.g. Optifree) b. Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) c. Cleaner based on alcohol (e.g. Miraflow) c 2. The most important feature of a H<sub>2</sub>O<sub>2</sub> solution system is its capacity to: a. Clean the lens b. Decontaminate the lens c. Sterilize the lens 3. The least risc for an allergic reaction with an H<sub>2</sub>O<sub>2</sub> solution system gives: a. A system with a platinum disc. b. A two-phase system c. A system with a neutralizing tablet a 4. Which kind of preservatives is no longer commonly used in all-in-one solutions?

a. Polyquadb. Thimerosalc. PHMB

- 5. An allergic reaction to contact lens solutions can usually be recognized by:
  - a. Local punctate staining (mostly inferior)
  - b. Conjunctival staining
  - c. Diffuse corneal staining
- 6. A 'conditioning' solutions has several purposes, which?
  - a. Cleaning, soaking, insertion, decontamination.
  - b. Insertion, wetting, soaking, sterilization
  - c. Wetting, soaking, decontamination, insertion.
  - d. Cleaning, wetting, insertion, decontamination.
- 7. De Corneal Staining Grid tells you that:
  - a. Lenses and solutions form the same manufacturer are always perfectly matched to each other
  - b. Saline causes in general less staining then H<sub>2</sub>O<sub>2</sub> systems
  - c. All-in-one systems with Polyquad (e.g. Optifree) cause more staining than saline c
- 8. New materials for rigid lenses (silicone/fluoride) can best be cleaned with:
  - a. An abrasive cleaner
  - b. An All-in-one solution
  - c. A cleaner based on alcohol c
- 9. Cleaning solutions for rigid lenses contain mainly:
  - a. Soap related components
  - b. Alcohol related components
  - c. Disinfecting related components a
- 10. Is it possible that somebody gets an allergic reaction while using daily wear lenses (without using any other additional solution)?
  - a. No, the blister comprises only saline (= PH neutral)
  - b. Yes, people might react to the solutions buffer
  - c. No, the blister only comprises a 100% sterilized solution b

This resource has been donated from FIACLE Henri Eek from Hogeschool Utrecht, The Netherlands. Henri is also affiliated with Deltion College in The Netherlands.

Henri is a proud IACLE member 'IACLE has given me the opportunity to get in contact with contact lens involved people from all over the world. They've also provided me a lot of tools for improving my way of teaching contact lens education to students at both the institutes that I work for.'