

Instructions for the Microsurgical Training

The first five lectures and demonstrations will discuss from different point of view the theory behind the microsurgical concept. We recommend you to study first these five theoretical explanations before you start performing the Hands-ON.

Theoretical Part

1. Does the microsurgical concept means that we need to work under the microscope? No, the microsurgical concept is much more complex. It involves new instruments, working with magnification aids, working with better light; new flap designs, and new instruments. All these issues will be covered in this lecture.
2. Is there any scientific proof about the necessity using the microsurgical concept in your daily business. Different facts will be discussed in this lecture.
3. The incorporation of the microsurgical concept in your daily work will be demonstrated in this video.
4. In this video the new ideas of suturing in plastic reconstructive surgery are discussed and demonstrated. Specifically, the concept about creating anchors and the differences between anchor sutures and adaptation sutures will be elucidated. This new suturing approach will later be exercised in the Hands-On.
5. The last theoretical lecture will display the basic principles of flap designs. The differences between full-thickness- and split-thickness flap and in addition the combination flap split-full thickness flap will be elucidated and demonstrated.

The following instructions describe the instruments, materials, and tools for the Hands-ON exercises:

6. In this statement we describe the advantages of the new Touchgrip instruments in comparison to the conventional microsurgical instruments kits.
7. For the preparation of your Hands-On exercises of this Training you need to organize some important issues. They will be elucidated in this video.
8. The materials, instruments, and sutures which be provided to you in our „Do it together Tool Box“ for this Training are explained in this video.
9. The mounting tool for the One-to-One Hands-On part is depicted in this video.

Hands-ON Part:

Now we can start the Hands-On exercises. We recommend you strongly to follow our sequence. The Hands-On exercises are coordinated on each other.

10. We would like you to suture in this Hands-On as you are used to suture. May be at the end of this training you repeat this exercise but then you should include your new understanding and hopefully you will notice your progress.

11. Learning microsurgical suturing technique (7/0 suture material)

12. Learning the first steps of flap design

13. Preparing a free gingival graft and suture it with 8/0 suture material

14. Anastomosis of a 2 mm diameter vessel with a 9/0 suture material

We recommend you after this last Hands-ON to perform the evaluation exercise again.