

Institute of Surgical Research

Surgical Technics

A1 Practical Modul



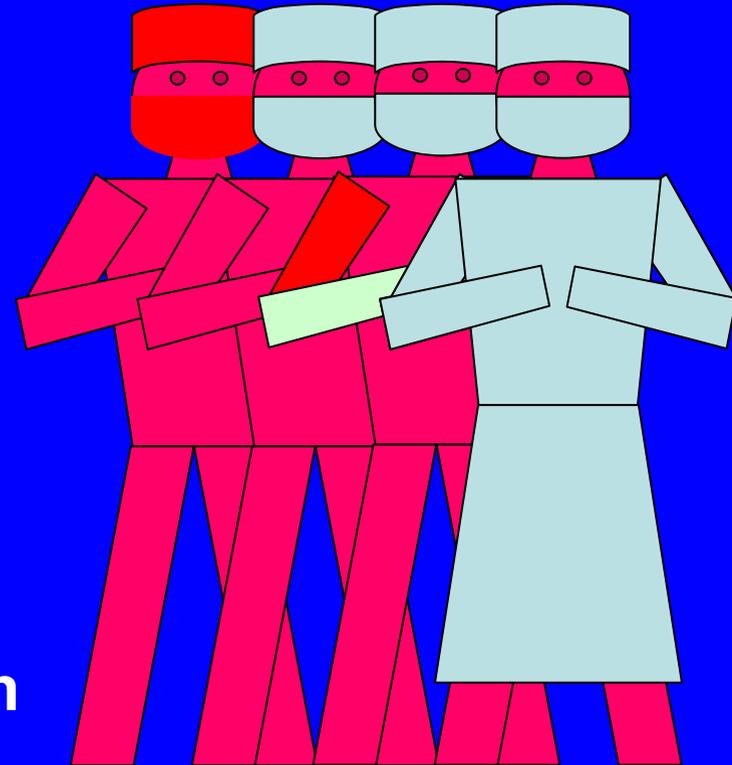
Institute of Surgical Research

„A” Modul - Surgical Techniques

- A1. MODUL – Asepsis and Antisepsis
Scrubbing, gowning;
Behaviour in the surgical theatre;
*the Suture Tutor program***
- A2. MODUL – Surgical Deontology**
- A3. MODUL - Wounds**
- A4. MODUL - Operations**
- A5. MODUL - Bleeding**
- A6. MODUL – Shock**

Asepsis and the surgeon

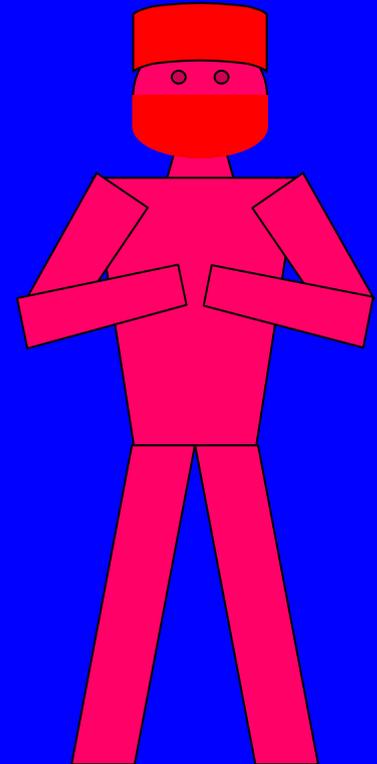
- Dressing
- Cap, mask
- Scrubbing
- Gowning, gloving
- Surgical theatre: organization
- the *Suture Tutor* program



1. Dressing:

scrub suit
operating room shoes/shoe cover)

- bracelet
- ring
- watch
- nail-polish



2. Correct position of the mask



2. Positioning the mask

right



wrong

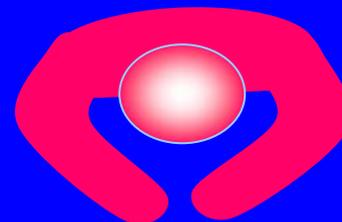
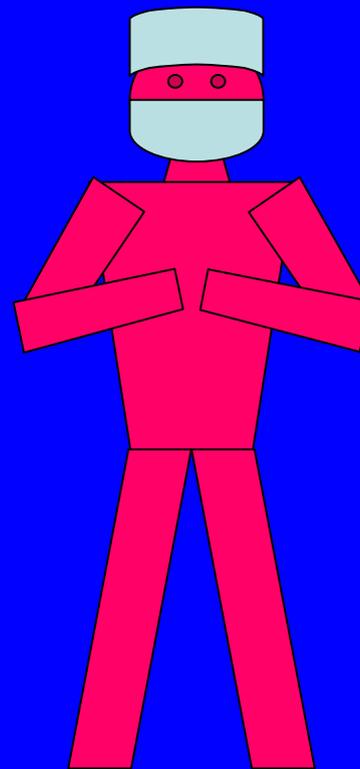


3. Scrubbing

Participation in a surgical intervention requires the implementation of the complete protocol of scrubbing and disinfection.

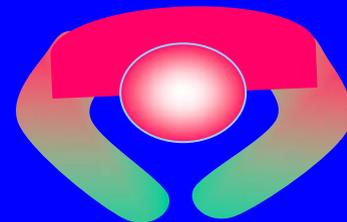
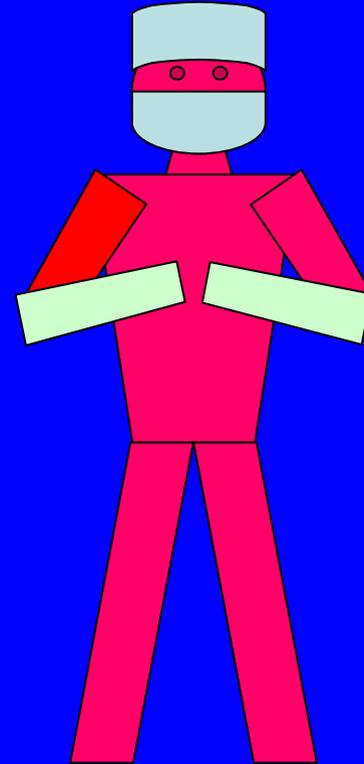
Scrubbing have to be made according to accepted and generally applied rules of the **local** surgical suite.

Simple scrubbing with soap is not = disinfection!



The goal of scrubbing

To reduce the number of transient and resident bacterial flora and to inhibit their activity.



Scrubbing and disinfection

Mechanical cleansing (3 min)

- 1. Cut nails and clean subungual areas**
- 2. Wash hands with soap (hygienic wash)**
- 3. Wash hands and forearms with soap (scrubbing)**
- 4. Clean nails with brush.**

It is forbidden to brush other parts of the hand!

- 5. Rinse hands**

Chemical disinfection (5 x 1 min)

Scrubbing 1. handwash with soap



Scrubbing 2.

Hand- and armwash with soap

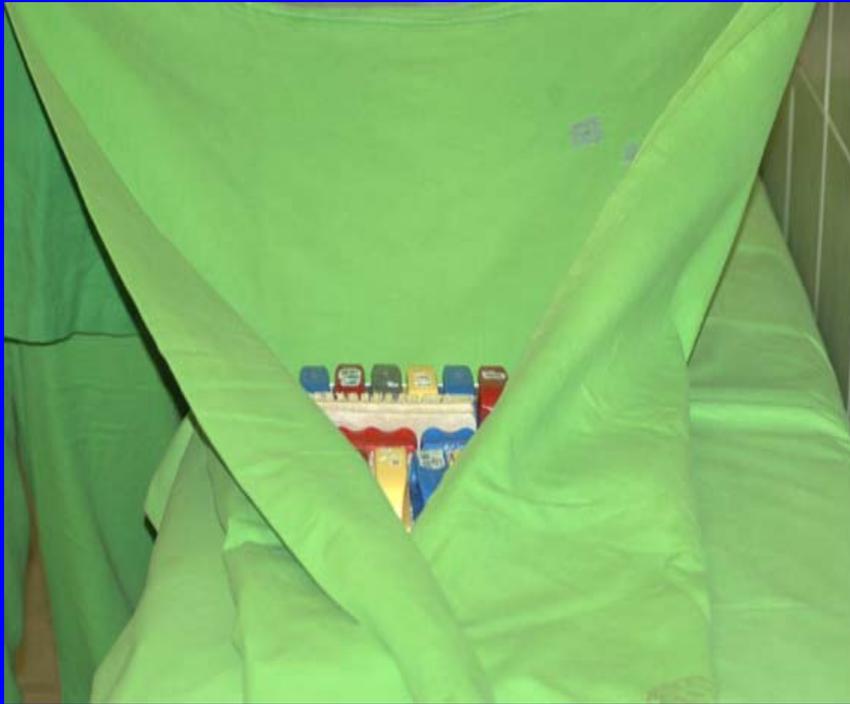


Scrubbing 3.

Steps of rinsing the hands



Taking the brush



Scrubbing 4.

cleansing the nails with brush



Scrubbing 5.

Steps of rinsing the hands



Do not touch the basin!



Disinfection 1.

right



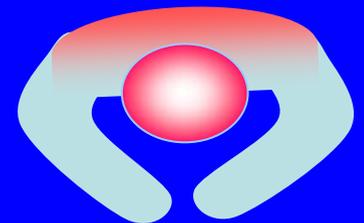
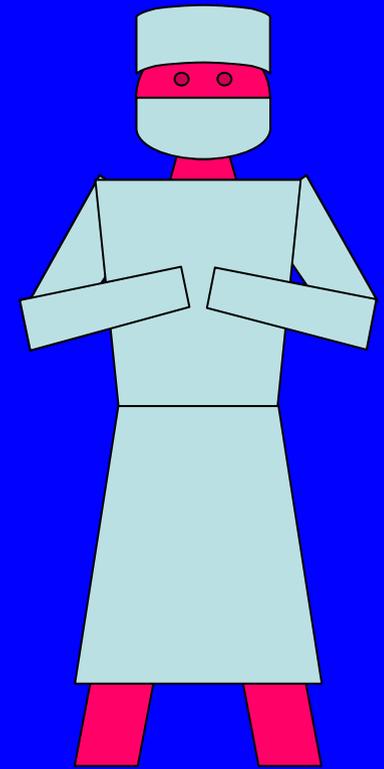
wrong



Steps of chemical disinfection 2.



4. Gowning



Effective „sterile” area

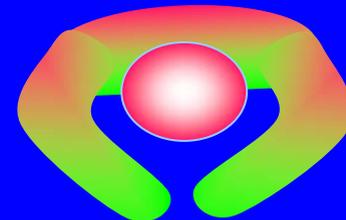
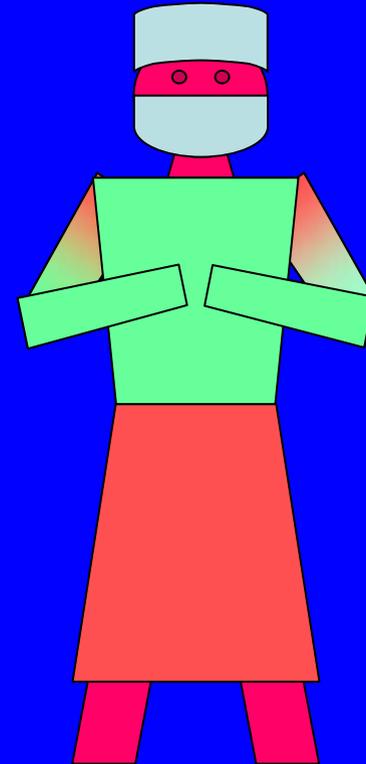
Certain parts of the gown can not be considered sterile (!)

b. the back and the axillaries

c. lateral from the axillaries

d. under the waistline

e. the sleeves 10 cm distance from the shoulders over the elbow.



Taking out the sterile gown

right

wrong



Gowning 2.

Grasping the sterile gown



Gowning 3.

Unfolding the sterile gown



This is forbidden!



Gowning 4.

How to open the sterile gown?



Gowning 5.

Position of the arms

right



wrong



Gowning 6.

Pulling the gown over the shoulders



Pulling the gown

right



wrong



Fixing the sterile gown



Fixing the sterile gown 2.

right

wrong



Fixing the sterile gown 3.



This is (again) forbidden!



Gloving of the left hand 1.



- from inside!

Glowing of the right hand 2.



from outside!

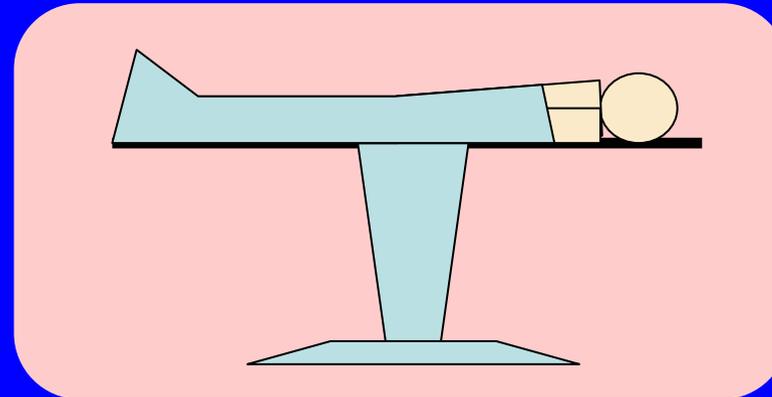
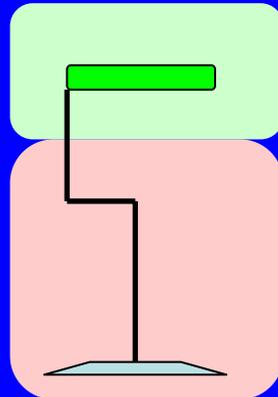
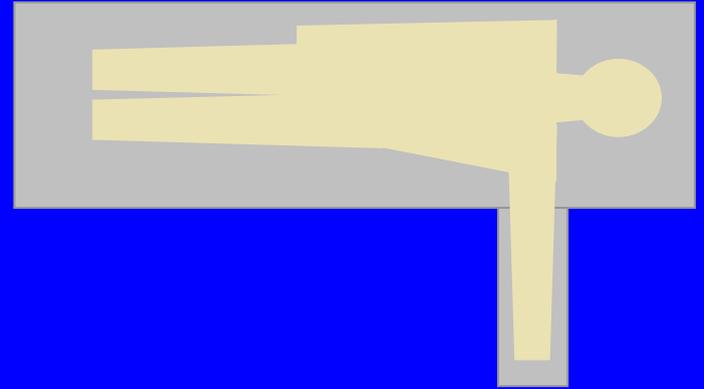
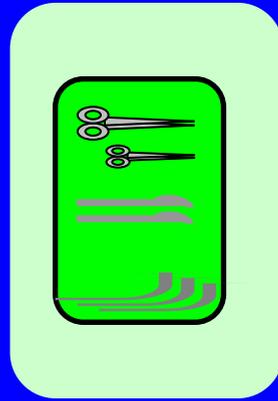
The gloved hands



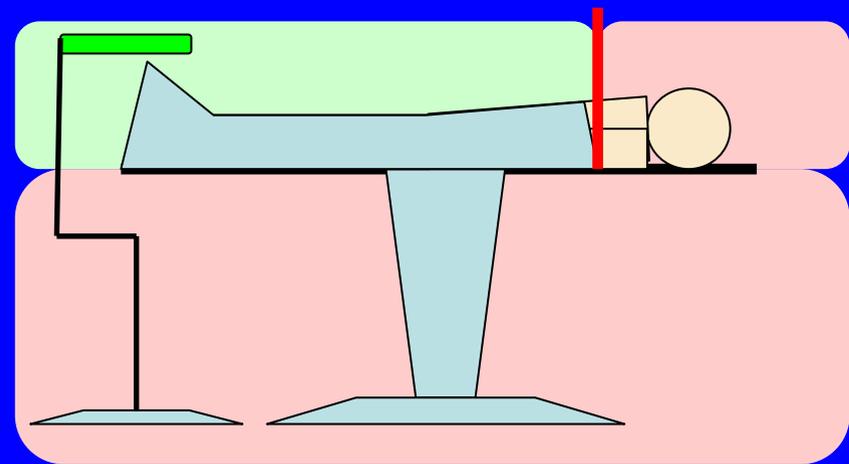
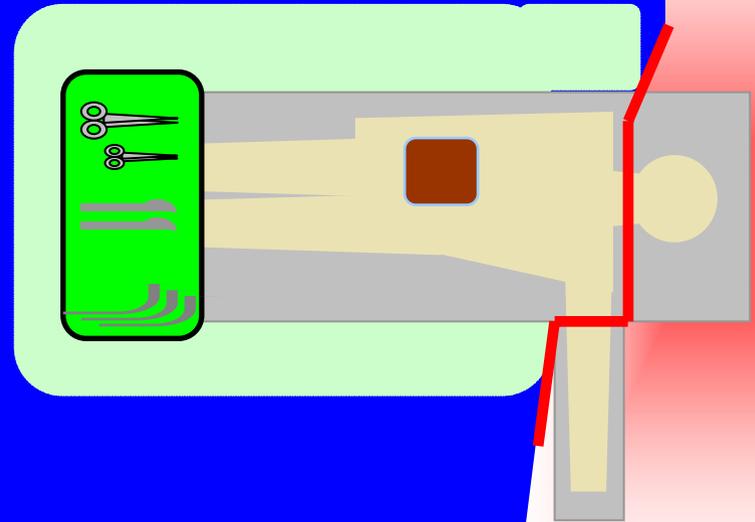
Removing the gloves



The operating field **before the isolation** of the patient



The operating field **after the isolation** of the patient



The position of the surgical team

