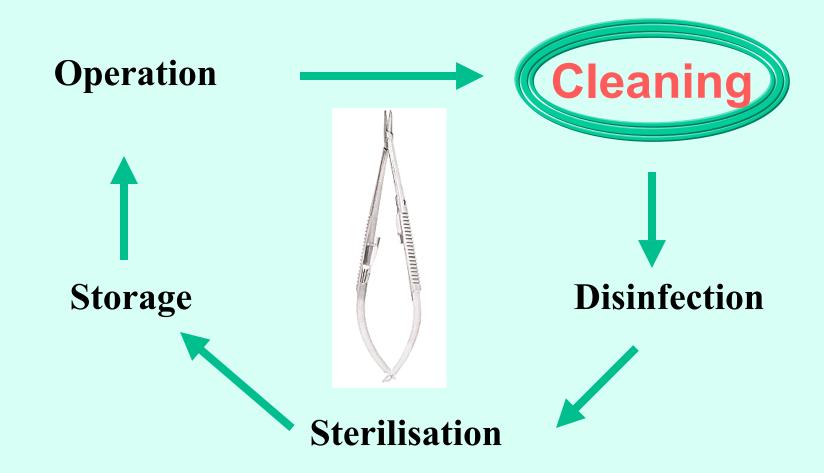




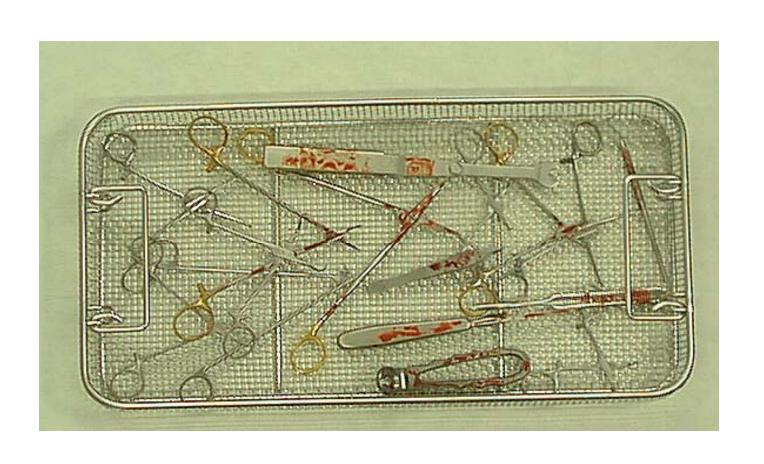
Evaluation of

Cleaning Procedures

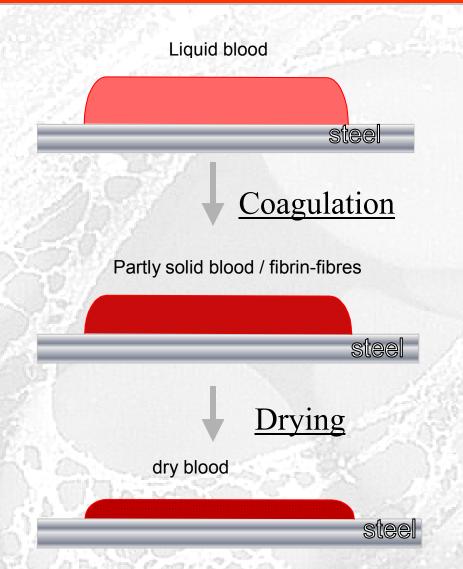
Reprocessing of surgical instruments



Residues on surgical instruments

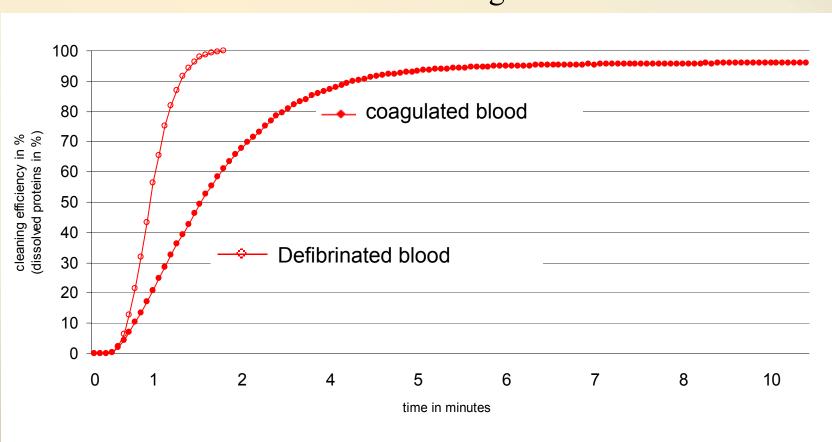


COMPOSITION OF BLOOD

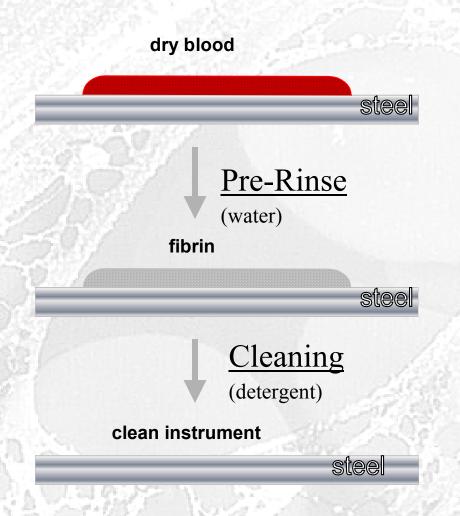


Effect of the blood coagulation on cleaning

Cleaning comparison defibrinated blood / coagulated blood

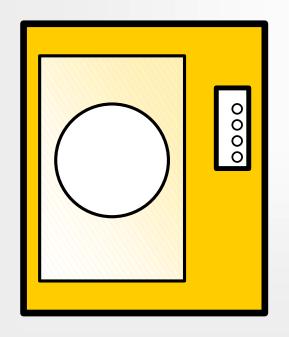


CLEANING BEHAVIOUR

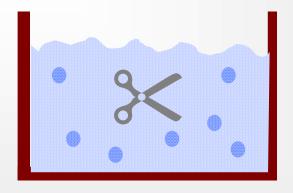


Different methods for cleaning of instruments

washer-disinfector







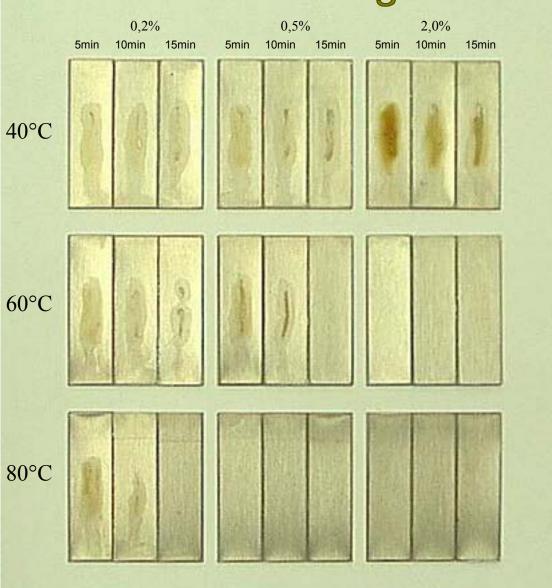
cleaning bath

Mechanical Parameters



- ⇒ pump pressure
- ⇒ spray system
- ⇒ ultrasound
- ⇒ instrument-load in machine

Alkaline detergent



Enzymatic detergent 0,2% 0,5% 2,0% 5min 10min 15min 5min 10min 15min 5min 10min 15min 30°C 45°C 60°C

NORMAL SURFACES ARE NO CLEANING PROBLEMS

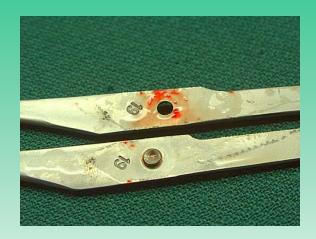


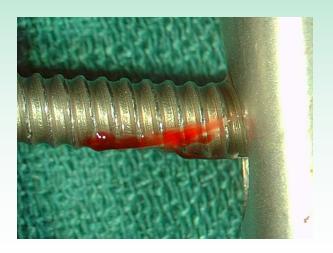


Cleaning problems









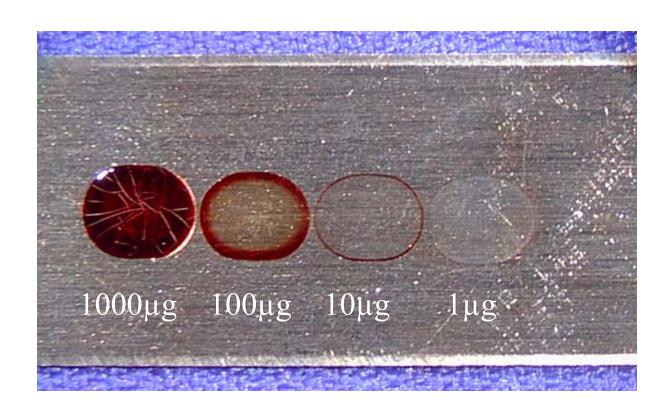
Testing of cleaning procedures

Clean or not clean





Checking for residues



RESIDUES AFTER CLEANING

Cleaning Problem

Cleaning Disinfecting

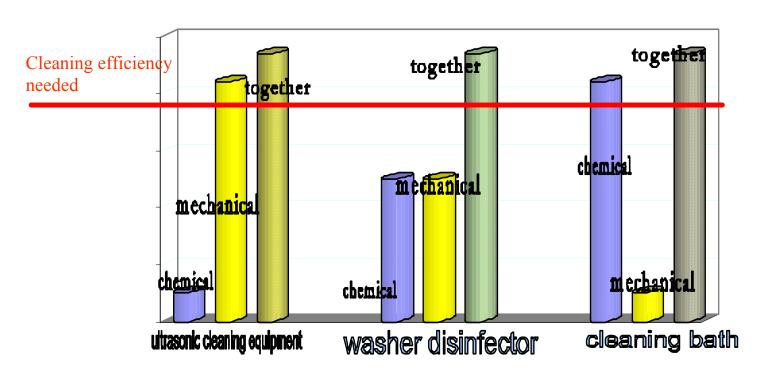
Drying

denaturated protein-residues



Monitoring of the cleaning efficiency

cleaning efficiency

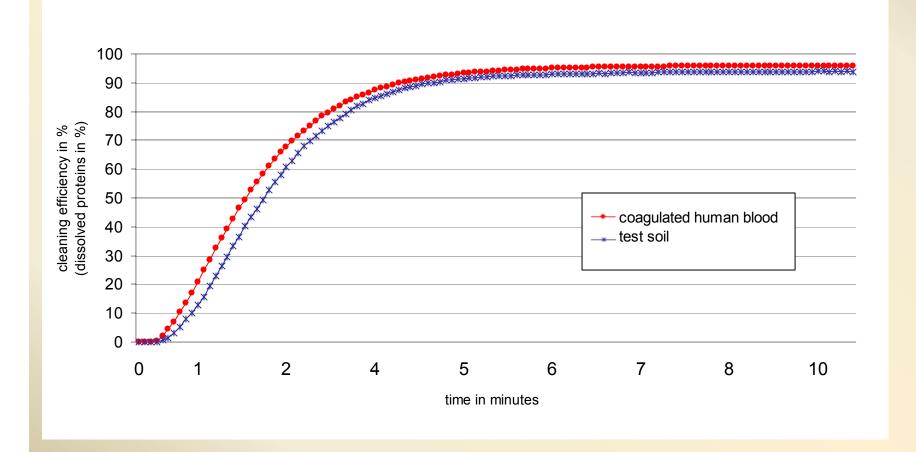


The TOSI® -system

for monitoring the cleaning efficiency

of washer disinfectors

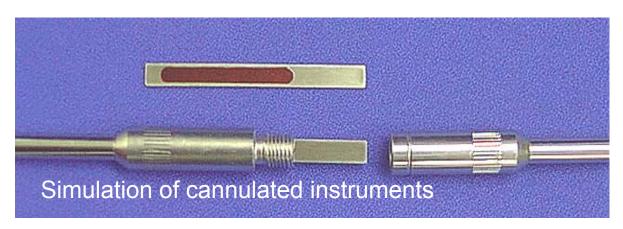
Comparison blood / test soil



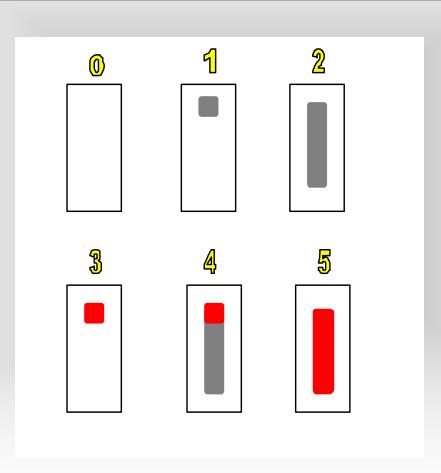
TOSI®



LumCheck



TOSI - evaluation



TOSI®- results



